



INTERNATIONAL POPLAR COMMISSION

22nd Session

Santiago, Chile, 29 November – 9 December 2004

THE CONTRIBUTION OF POPLARS AND WILLOWS TO SUSTAINABLE FORESTRY AND RURAL DEVELOPMENT

Publications Listed in Country Progress Reports

November 2004

**Forest Resources Development Service
Forest Resources Division
Forestry Department**

**Working Paper IPC/4
FAO, Rome, Italy**

Disclaimer

Most national reports to the 22nd Session of the International Poplar Commission have listed a wealth of material published in the four years since the last Session. These have been extracted and are presented in this separate publication as a contribution to sharing information between member countries of the IPC. Some countries have also included website addresses, and these have been incorporated as well.

Comments and feedback are welcome.

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FAO, November 2004. Publications and Websites listed in country reports prepared for the 22nd Session of the International Poplar Commission, jointly hosted by FAO and the National Poplar Commissions of Chile and Argentina; Santiago, Chile, 29 November – 2 December, 2004. International Poplar Commission Working Paper IPC/4. Forest Resources Division, FAO, Rome (unpublished).

Web references:

For details relating to the International Poplar Commission as a Technical Statutory Body of FAO including National Poplar Commissions, working parties and initiatives can be viewed on <http://www.fao.org/forestry/ipc> and highlights of the 22nd Session of the International Poplar Commission, 2004 can be viewed on <http://www.fao.org/forestry/ipc2004>.

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PREFACE

The Country Progress Reports prepared by the National Poplar Commissions of twenty one International Poplar Commission member countries for the 22nd Session, Santiago, November, 2004, yielded a wealth of references published between the years 2000-2003.

Country Progress Reports were submitted by Argentina, Belgium, Bulgaria, Canada, Chile, China, Croatia, Egypt, Finland, France, Germany, India, Italy, Republic of Korea, New Zealand, Serbia & Montenegro, Spain, Sweden, Turkey, United Kingdom and the United States of America.

This working paper, IPC/4, which lists the references documented by country and author in alphabetic order should be read as a supplement to the Synthesis of Country Progress Reports: Activities Related to Poplar and Willow Cultivation and Utilization, 2000 through 2003, FAO, IPC/3, November, 2004.

The references reflect the diversity and scope of the research and development in Poplars and Willows globally, but also the different priorities in their culture and use in individual countries.

National Poplar Commissions and poplar and willow specialists (whether IPC members of not) who wish to add references to subsequent publication and the web version of this working paper can do so by submitting the details in the standard format to the Secretary, International Poplar Commission.

The working papers IPC/3 and IPC/4 are available on the FAO website: <http://www.fao.org/forestry/ipc>

Jim Carle
Secretary
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Argentina

*Se citan publicaciones generadas en el transcurso del período considerado por las personas y entidades que han reportado para el presente Informe Nacional. Para completar y profundizar la búsqueda de información sobre temas vinculados a los género *Populus* y *Salix*, contactar a la Bibliotecaria Sra. Nilda Fernández, Centro de Documentación e Información Forestal Lucas A. Tortorelli, Secretaría de Agricultura, Ganadería, Pesca y Alimentos
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- Achinelli F.G., Aparicio A.G., Marlats R.M.** 2001. Evaluación de tratamientos químico-mecánicos de control de malezas en plantaciones de *Populus sp.* de la provincia de Buenos Aires. Actas de la Segunda Reunión de Producción Vegetal del NOA, San Miguel de Tucumán. 182-190.
- Achinelli F.G., Aparicio A.G., Marlats R.M.** 2001. Período crítico para el control de malezas en plantaciones de *Populus deltoides* cv. "Stoneville 66" en la provincia de Buenos Aires. Actas de la Segunda Reunión de Producción Vegetal del NOA, San Miguel de Tucumán, 191-199.
- Achinelli F.G., Acciaresi H.A., Marlats R.M.** 2001. Leaf characteristics, light interception and productivity of newly planted *Populus deltoides* cuttings under different integrated weed control schedules in an ex-agricultural site in Buenos Aires Province, Argentina. Proceedings of the British Crop Protection Conference – Weeds. Brighton, U.K.: 303- 308.
- Achinelli F.G., Nuñez Cresto M., Marlats R.M.** 2002. Control de hormigas cortadoras mediante cebos granulados en plantaciones de Salicáceas del Delta del Paraná. Actas del V Congreso de Entomología. 19-21 de marzo, Capital Federal: p. 232.
- Achinelli F.G., Baridón E., Prada E., Francisco M., Aparicio A., Marlats R.M.** 2003. Fertilización de arranque en plantaciones de álamos (*Populus spp*) de la pampa húmeda argentina. INPOFOS. Instituto de la potasa y el fósforo - Potash & Phosphate Institute of Canada. N° 20: 7-12.
- Achinelli F.G., Baridón E., Prada E., Francisco M., Aparicio A., Marlats R.M.** 2003. Manejo nutricional de plantaciones de álamos (*Populus spp.*) en la pampa húmeda. Avances en la fertilización de arranque, aplicación mecanizada y diagnóstico con DRIS. Simposio sobre "El fósforo en la agricultura Argentina". INPOFOS Cono Sur Ciudad de Rosario.
- Achinelli F., Baridón E., Coleman M., Francisco M., Aparicio A., Marlats R.M.** 2003. Estado nutricional y respuesta a la fertilización localizada en *Populus spp.* XII World Forest Congress. FAO. Quebec, Canadá 2003.
- Achinelli F., Francisco A., Aparicio A., Gennari A., Prada E., Giunchi J., Marlats R.M.** 2003. Análisis comparado de las respuestas de clones de álamo al control de malezas químico – mecánico, químico total y a la fertilización de arranque con urea en plantaciones de la provincia de Buenos Aires. Actas en CD de las XVIII Jornadas Forestales de Entre Ríos, Concordia, Entre Ríos, 8 pp.
- Ansín O.E., Marlats R.M., Lanfranco J.W., Oyhamburu E.M., Hoffman E.A., Jatimlinsky J.R., Baridón J.E., Buján A., Vecchio M.C., Mascaró M.** 2000. Estructura y funcionamiento de un sistema silvopastoril en la llanura pampeana bonaerense con *Populus spp.* 11th International Soil Conservation Organization Conference. Internacional. Capital Federal, Argentina. Actas del Congreso.

- Balbuena R.A., Terminiello A.M., Claverie J.A., Casado J.P., Marlats R.M.** 2000. *Populus ssp*: Compactación del suelo durante la cosecha forestal. Evolución de las propiedades físicas. Revista Brasileña de Tecnología Agrícola y Ambiental. 4 (3): 453-459.
- Baridón E., Achinelli F., Francisco M., Fernández N., Marlats R.M.** 2002. Efectos de la fertilización localizada sobre el establecimiento de dos clones de *Populus sp.* XVIII Congreso Argentino de Ciencias del Suelo. 16- 19 de abril, Puerto Madryn, Chubut, Argentina.
- Borodowski E.D., Suárez R.O.** 2004. Costo de producción de Salicáceas en la región del Delta del Río Paraná, Argentina. II Simposio Iberoamericano de Gestión y Economía Forestal, 18 al 20 de septiembre de 2004. Barcelona, España.
- Borodowski E.D., Suárez R.O.** 2002. Actividad forestal en el Delta del Paraná. Delta, (8/11/02), año LXIX, nro. 1617, pags. 3-4.
- Borodowski E.D., Suárez R.O.** 2001. Crecimiento estacional de tres clones de *Populus deltoides* en el Delta Argentino. Delta, (14/03/01), año LXVII, nro. 1580, pag. 3.
- Borodowski E.D., Suárez R.O.** 2001. La elección de clones en el cultivo de Salicáceas. Delta, (31/08/01), año LXVII, nro. 1589, pag. 2.
- Bustamante J., Riu N., Settepani V., Calderón A.** 2003. Comportamiento de seis especies del género *Pinus* en Mendoza, Argentina - (en prensa) - Revista de la Facultad de Ciencias Agrarias, U.N. de Cuyo.
- Bustamante J., Riu N., Settepani V., Calderón A.** 2000. Comparación de épocas de plantación de estacas de álamos en vivero. IX Jornadas de Investigación y Docencia - Facultad de Ciencias Agrarias - Universidad Nacional de Cuyo. Mendoza, noviembre de 2000.
- Calderón A., Settepani V., Bustamante J., Riu N.** 2003. Ensayo comparativo de materiales y épocas de plantación para dos clones distintos de *Populus sp.* - (en prensa) - Revista de la Facultad de Ciencias Agrarias, Universidad Nacional de Cuyo.
- Calderón A., Mastrantonio L.** 2003. Rendimiento de madera de álamo sometida a la poda, en la fabricación de lápices”- (en prensa) - Revista de la Facultad de Ciencias Agrarias, U.N. de Cuyo.
- Calderón A.** 2002. Secado de maderas de álamo de bajo espesor en horno solar. X Jornadas de Investigación y Docencia - Facultad de Ciencias Agrarias - Universidad Nacional de Cuyo - Mendoza, noviembre de 2002.
- Calderón A., Riu N., Settepani V., Bustamante J., Pérez S.** 2002. Comportamiento de *Populus sp.* en Algarrobo Grande, Junín. X Jornadas de Investigación y Docencia - Facultad de Ciencias Agrarias - Universidad Nacional de Cuyo - Mendoza, noviembre de 2002.
- Calderón A., Bustamante J., Riu N.** 2001. Indagini sulla suscettibilità di cloni diversi di *Populus* al cancro corticale da *Septoria musiva* Peck. Nella provincia di Mendoza (Argentina) - Informatore Fitopatologico - Italia - N° 3 - Marzo 2001.
- Calderón A., Masiokas M., Pérez S., Zanetti P.** 2001. Preservación de maderas: simuladores de degradación acelerada y en ensayo a campo. XVIII Jornadas de Investigación. Universidad Nacional de Cuyo - Mendoza, 29 y 30 de noviembre de 2001.
- Calderón A., Bustamante J., Riu N., Settepani V.** 2000. Ensayo comparativo de materiales y épocas de plantación para dos clones distintos de *Populus sp.* IX Jornadas de Investigación y Docencia - Facultad de Ciencias Agrarias - Universidad Nacional de Cuyo - Mendoza, noviembre de 2000.
- Calderón A., Mastrantonio L.** 2000. Rendimiento de madera de álamo podado para la fabricación de lápices. IX Jornadas de Investigación y Docencia - Facultad de Ciencias Agrarias - Universidad Nacional de Cuyo - Mendoza, noviembre de 2000.
- Calderón A., Mastrantonio L.** 2000. Rendimiento de rollizos de álamo según clases diamétricas. Revista de la Facultad de Ciencias Agrarias - U.N. de Cuyo - Tomo XXXII N°1 -pág. 89 a 94 (con referato).

- Calderón A., Bustamante J., Riu N., Arreghini R.I.** 2000. Suscettibilità dei cloni di *Populus* sp. alla cancriosi (*Septoria Musiva* Peck) in Mendoza, Argentina. Revista Informatore Fitopatológico. Con referato. Aceptado 10/09/2000.
- Casaubon E., Cueto G., Spagarino C.** 2004. Preferencia del “Taladro de los Forestales” por los mayores diámetros en *Populus deltoides* Bart del bajo Delta del río Paraná. E-campo.com., 10 de mayo.
- Casaubon E., Cueto G., Gómez L.** 2004. Relaciones entre el Sitio y la Productividad en las Salicáceas del Delta del Paraná. Investigación Forestal al Servicio de la Producción II. Resultados aplicados al cultivo de bosques y la producción de madera en Argentina. Secretaría de Agricultura, Ganadería, Pesca y Alimentación. Proyecto Forestal de Desarrollo. Segunda entrega. Bloque 4. Pg. 214-220. ISBN 987-9184-36-X.
- Casaubon E., Cueto G., Hodara K., González A.** 2004. Influencia de la calidad de sitio en el ataque de *Platypus mutatus* Chapuis (Coleoptera, Platypodidae) a una plantación de sauces (*Salix babylonica* x *Salix alba* cv 131/27. Ecología Austral 14 (1): En prensa.
- Casaubon E., Gurini L., Cueto G., Gomez L., Zanelli M., Berrondo G., González A.** 2004. Caracterización estacional de una plantación de *Populus deltoides* cv *Catfish 2* en el Bajo Delta Bonaerense del Río Paraná (ARGENTINA). Investigación Agraria. Sistemas y Recursos Forestales. Vol. 13 (2). INIA. España. Chile. Diciembre.
- Casaubon E., Wabö E.** 2003. Productividad de las Salicáceas en el Delta del Paraná. Investigación Forestal al Servicio de la Producción. Investigación Forestal al Servicio de la Producción: Resultados aplicables al cultivo de bosques y la producción de madera en Argentina. Secretaría de Agricultura, Ganadería, Pesca y Alimentación. Proyecto Forestal de Desarrollo. 1997-2000. Primera entrega. Bloque 4. Pg. 106-107. ISBN 987-9184-29-7.
- Casaubon E., Gurini L., Cueto G., Gomez L., Zanelli M., Berrondo G., González A.** 2002. Caracterización de sitios forestales en *Populus deltoides* cv *Onda* (Ex I-72/51) del Bajo Delta Bonaerense del Río Paraná. XVII Jornadas Forestales de Entre Ríos. Concordia.
- Casaubon E., Cueto G., Hodara K., González A.** 2002. Interacciones entre sitio, plaga y una enfermedad del fuste en una plantación de *Populus deltoides* cv *Catfish-2* en el Bajo Delta del Río Paraná (Argentina). Investigación Agraria. Sistemas y Recursos Forestales. Vol. 11 (1). INIA. España.
- Casaubon E., Spagarino C., Cueto G., González A.** 2001. Enraizamiento de guías de *Populus deltoides* en el Delta del Paraná. XVI Jornadas Forestales de Concordia, Entre Ríos.
- Casaubon E., Gurini L., Cueto G.** 2001. Diferente calidad de estación en una plantación de *Populus deltoides* cv *Catfish 2* en el Bajo Delta Bonaerense del Río Paraná (Argentina). Investigación Agraria. Sistemas y Recursos Forestales. Investigación Agraria. Sistemas y Recursos Forestales. Vol. 10 (2). INIA. España.
- Casaubon E., Gurini L., Cueto G.** 2000. Relaciones entre las características estacionales y la productividad en una plantación de *Salix nigra 4* en el Delta Bonaerense del Río Paraná (Argentina). Investigación Agraria. Sistemas y Recursos Forestales. Vol. 9 (2). INIA. España.
- Cellini J., Wabö E., Casaubon E.** 2001. Modelos de perfil de fuste para clones comerciales de *Populus deltoides* cv *Catfish 2* y *Salix babylonica* x *Salix alba* cv 131/27 en plantaciones situadas en la zona del Delta del Paraná. XVI Jornadas Forestales de Concordia, Entre Ríos.
- Cerrillo T.** 2003. Mejoramiento genético del sauce - Relevamiento sobre materiales generados en las últimas dos décadas. Proyecto Forestal de Desarrollo - Secretaría de Agricultura, Ganadería, Pesca y Alimentos (SAGPyA). Buenos Aires.
- De Cristóforo N., Marlats R.M., Keil G.D., Murace M.A.** 2003. Durabilidad natural de la madera de dos clones de *Populus deltoides* Marshall y su relación con la clase diamétrica de explotación. Actas X Jornadas Técnicas Forestales y Ambientales. Facultad de Ciencias Forestales, UnaM-INTA. Eldorado, Misiones, Argentina.

- Keil G., Otaño M., Luna M.L., Marlats R.M.** 2001. Absorción de preservantes hidrosolubles en maderas de clones de sauces (*Salix spp*): relaciones con los métodos industriales de aplicación y las características físicas y anatómicas. Revista de la Facultad de Ciencias Forestales de la UNaM “Yvyrareta”: 35- 40.
- Luna M.L., Murace M.A., Keil G.D., Otaño M., De Cristóforo N.N., Marlats R.M.** 2002. Patrones de degradación causados por hongos xilófagos en maderas de Salicáceas cultivadas en la región del Delta (Argentina). Primer Congreso Chileno de Ciencias Forestales. Facultad de Ciencias Forestales, Universidad de Chile, Santiago de Chile, Chile: p. 345.
- Marlats R.M., Vazquez M., Senisterra G.E., Lanfranco J.W., Marquina J.L.** 2002. *Populus spp*: Incidencia de factores edáficos de sitio sobre el crecimiento en altura. XVIII Congreso Argentino de Ciencias del Suelo. Chubut, Argentina.
- Marlats R.M., Senisterra G.E., Vazquez M., Lanfranco J.W., Marquina J.L.** 2002. Incidencia de factores sitio sobre el crecimiento en altura dominante en clones de *Populus spp*. Actas CD ROM IX Jornadas Técnicas. INTA- Fac. Cs. Forestales, UnaM. Eldorado, Misiones.
- Marlats R.M., Balbuena R.H., Claverie J.A., Terminiello A., Casado J.P., Marquina J.L.** 2001. Efecto del tránsito por cosecha sobre el suelo y desarrollo de *Populus deltoides* Marsh. Bosque. Revista de la Fac. de Cs. Forestales de la Univ. Austral de Chile. 22 (1): 27- 36.
- Marlats R.M., Marquina J.L., Bratovich R.A., Lanfranco J.W.** 2000. *Populus deltoides* Marsh: Interacción clon-ambiente en Buenos Aires, Argentina. Rev. Fac.Cs. Agrarias, Univ. Nac.Cuyo, Tomo XXXII, N° 1: 7-14.
- Martinelli J.L., Marquina J.L., Marlats R.M.** 2002. Análisis de carga y transporte de madera de *Salix ssp* en el Delta Bonarense. Memoria del II Congreso Forestal Latinoamericano. Ciudad de Guatemala, Guatemala.
- Martinelli L.E., Marquina J.L., Marlats R.M.** 2001. Carga y transporte de maderas de *Salix spp* en el Delta Bonaerense. Actas de Silvo Argentina II, Cosecha y transporte de productos forestales provenientes de bosques de cultivo. AfoA – AMAYADAP - Univ. Nac. Misiones, Eldorado, Misiones, Argentina: 190- 196.
- Monteoliva S., Senisterra M.G., Marquina J., Marlats R.M., Ciocchini G.** 2002. Clones de sauce: longitud de fibras en su madera. Rev. F.C.A. U.N. Cuyo Tomo XXXIV N° 2 :49-56.
- Monteoliva S., Senisterra M.G., Marquina J., Marlats R.M., Villegas M.S.** 2002. Estudio de la variación de la densidad básica en siete clones de *Salix*. Rev. Fac. Agr. 105 (1): 29-34.
- Núñez Cresto M., Marquina J.L., Marlats R.M.** 2001. Disposición de capullos de larvas invernantes de *Nematus desantisi* Smith, “Avispa sierra” (Hymenoptera, Tethredinae) en una plantación de *Salix* en el Delta del río Paraná. Revista de la Facultad de Ciencias Forestales de la UNaM “Yvyrareta”, Vol 10: 6-10.
- Núñez Cresto M., Marquina J.L., Marlats R.M.** 2001. Taladrillo de los forestales (*Platypus sulcatus* Chapuis) en *Populus deltoides* Marsh. cv. Catfish 2. Revista de la Facultad de Ciencias Agrarias, Universidad Nacional de Cuyo, Argentina. Tomo XXXIII, N° 2: 31-40.
- Núñez Cresto M., Marquina J.L., Marlats R.M.** 2000. Estudio de la disposición espacial de capullos de larvas invernantes de *Nematus desantisi* Smith, “Avispa sierra” (Hymenoptera, Tethredinae) en diferentes calidades de sitio. Bosque Revista de la Facultad de Ciencias Forestales de la Universidad Austral de Chile. 21 (2): 147-153.
- Raffaelli N., Marlats R.M., Balatti P.A.** 2001. Genetic diversity of willow (*Salix spp*) based on RAPD Markers. XXXVII Annual meeting of the Argentine Society for Biochemistry and Molecular Biology Research. 20-23 de noviembre, Villa Carlos Paz, Córdoba, Argentina. Biocell, Supplement II: 66.
- Riu N., Settepani V., Bustamante J., Calderón A.** 2003. Artículos de divulgación: “Mendoza produce la mejor madera del país” y “Cultivo comercial del Álamo”. Publicados en el suplemento Campo de Diario Los Andes de Mendoza, del 20 de setiembre de 2003. Páginas 1 y 2.

- Riu N., Zuluaga J., Settepani V., Bustamante J., Calderón A.** 2001. Riego por goteo en álamos. XVIII Jornadas de Investigación. Universidad Nacional de Cuyo - Mendoza, 29 y 30 de noviembre de 2001.
- Senisterra G.E., Marlats R.M., Vazquez M., Lanfranco J.W., Marquina J.L.** 2001. Comportamiento de clones de álamos (*Populus ssp.*) implantados en dos sitios de la pampa húmeda, Argentina. Revista de la Facultad de Ciencias Forestales de la UNaM "Yvyrareta", 10: 66-73.
- Somoza A.R., Bustamante J.A., Riu N., Settepani V., Calderón A., Micali S.** 2001. Comportamiento de clones de *Populus sp.*, en distintas localidades de la Provincia de Mendoza, Argentina. XVIII Jornadas de Investigación. Universidad Nacional de Cuyo - Mendoza, 29 y 30 de noviembre de 2001.
- Villegas M.S., Marlats R.M.** 2003. Densidad de la madera: variación axial y radial en dos clones de *Salix spp.* (2003) Actas X Jornadas Técnicas Forestales y Ambientales. Facultad de Ciencias Forestales, UnaM- INTA. Eldorado, Misiones, Argentina.
- Villegas M.S., Marquina J., Marlats R.M.** 2002. *Salix babylonica* x *Salix alba* CV. "A-131-25". Variaciones axial y radial de la densidad básica de la madera. Actas CD ROM IX Jornadas Técnicas. INTA - Facultad de Ciencias Forestales, UnaM. 15- 16 de mayo, Eldorado, Misiones.
- Villegas S., Marquina J.L., Monteoliva S.E., Senisterra E.G., Marlats R.M.** 2002. *Salix babylonica* var. *sacramenta* (sauce americano). Variaciones axial y radial de la densidad básica de su madera. Memoria del II Congreso Forestal Latinoamericano. Ciudad de Guatemala, Guatemala.

Belgium

- Baeté H., Meiresonne L.** 2004. De populier in de apotheek. Stichting Omer Watez. Onze streek, natuur- en milieutijdschrift, 30^{ste} jg.-nr.2, 4-5.
- Baucher M., Halpin C., Petit-Conil M., Boerjan, W.** 2003. Lignin: Genetic engineering and Impact on Pulping. Crit. Rev. Biochem. Mol. Biol. 38,305-350.
- Boerjan W.** 2000. The use of molecular tools in a poplar breeding program. In *Report of the Belgian Commission: Period 1996-1999* (International Poplar Commission, 21st session), Food and Agriculture Organization (Ed.). Portland, IPC, pp. 61-62.
- Boerjan W., Ralph J., Baucher M.** 2003. Lignin biosynthesis. Annu. Rev. Plant Biol. 54, 519-546.
- Cervera M.-T., Gusamo J., Steenackers M., Peleman J., Storme V., Vanden Broeck A., Van Montagu M., Boerjan W.** 1996. Identification of AFLP molecular markers for resistance against *Melampsora larici-populina* in *Populus*. Theoretical and applied genetics 93, 733-737.
- Cervera M.-T., Remington D., Frigerio J.-M., Storme V., Ivens B., Boerjan W., Plomion, C.** 2000. Genetic analysis of tree species based on AFLP™ markers. Can. J. For. Res. 30, 1608-1616.
- Cervera M.T., Sewell M.M., Faivre-Rampant P., Storme V., Boerjan W.** 2004. Genome mapping in *Populus*. In *Molecular Genetics and Breeding of Forest Trees*, S. Kumar, and M. Fladung (Eds.). Binghamton, NY, The Haworth Press, Inc., 387-410.
- Cervera M.-T., Storme V., Ivens B., Gusmão J., Liu B.H., Hostyn V., Van Slycken J., Van Montagu M., Boerjan W.** 2001. Dense genetic linkage maps of three *Populus* species (*Populus deltoides*, *P. nigra* and *P. trichocarpa*) based on AFLP and microsatellite markers. Genetics 158, 787-809.

- Chen C., Baucher M., Christensen J.H., Boerjan W.** 2001. Biotechnology in trees: towards improved paper pulping by lignin engineering. *Euphytica* 118, 185-195.
- Chen C., Meyermans H., Burggraefe B., De Rycke R.M., Inoue K., De Vleeschauwer V., Steenackers M., Van Montagu M.C., Engler G.J., Boerjan W.** 2000. Cell-specific and conditional expression of caffeoyl-CoA *O*-methyltransferase in poplar. *Plant Physiol.* 123, 853-867.
- Christensen J.C., Baucher M., O'Connell A.P., Van Montagu M., Boerjan W.** 2000. Control of lignin biosynthesis. In *Molecular Biology of Woody Plants, Volume 1*, (Forestry Sciences, Vol. 64), S.M. Jain, and S.C. Minocha (Eds.). Dordrecht, Kluwer Academic Publishers, pp. 227-237 [ISBN 0 7923 6012 5].
- Christensen J.H., Overney S., Bauw G., Simon P., Van Montagu M., Boerjan, W.** 2000. Expression of poplar xylem peroxidases in tobacco leaves, insect cells, and transgenic poplars. *Plant Peroxidase Newslett.* 14, 49-53.
- Christensen J.H., Overney S., Rohde A., Ardiles Diaz W., Bauw G., Simon P., Van Montagu M., Boerjan W.** 2001. The syringaldazine-oxidizing peroxidase PXP 3-4 from poplar xylem: cDNA isolation, characterization and expression. *Plant Mol. Biol.* 47, 581-593.
- Cottrell J.E., Tabbener H.E., Milner A., Connolly T., Sing L., Lefèvre F., Achard P., Bordács S., Gebhardt K., Vornam B., Smulders R., Vanden Broeck A.H., Storme V., Boerjan W., Castiglione S., Fossati T., Alba N., Agúndez D., Fluch S., Krystufek V., Burg K., Bovenschen J., van Dam B.** (in press). Chloroplast DNA haplotypes of 637 trees of *Populus nigra* L. held in *ex situ* conservation genebanks in seven European countries and their possible postglacial migration routes. *Forest Ecology and Management*.
- Curjel Yuste J., Janssens I.A., Carrara A., Meiresonne L., Ceulemans R.** 2003. Interactive effects of temperature and precipitation on soil respiration in a temperate maritime pine forest. *Tree Physiology* 23, 1263-1270.
- De Cock K., Lybeer B., Vander Mijnsbrugge K., Zwaenepoel A., Van Peteghem P., Quataert P., Breyne P., Goetghebeur P., Van Slycken J.** 2003. Diversity of the willow complex *Salix alba* – *S. x rubens* – *S. fragilis*. *Silvae Genetica*, 52, 3-4, pp 148-153.
- Frewen B.E., Chen T.H.H., Howe G., Davis J., Rohde A., Boerjan W., Bradshaw H.D. Jr.** 2000. QTL and candidate gene mapping of bud set and bud flush in *Populus*. *Genetics* 154, 837-845.
- Halpin C., Boerjan W.** 2003. Stacking transgenes in forest trees. *Trends in Plant Science* 8, 363-365.
- Janssens I.A., Meiresonne L., Ceulemans R.** 2000. Mean soil CO₂ efflux from a mixed forest: temporal and spatial integration. In: R.J.M. Ceulemans, F. Veroustraete, V. Gond and J.B.H.F. Van Rensbergen (eds), *Forest ecosystem modelling, upscaling and remote sensing*. Edited by © 1999 SPB Academic Publishing bv. The Hague, The Netherlands, 19 – 33, ISBN 90-5103-138-6, pp. 19 - 31.
- Lacombe E., Van Doorsselaere J., Boerjan W., Boudet A.M., Grima-Pettenati J.** 2000. Characterisation of *cis* elements required for vascular expression of the cinnamoyl CoA reductase gene and for protein-DNA complex formation. *Plant J.* 23, 663-676.
- Laureysens I., Blust R., De Temmerman L., Lemmens C., Ceulemans R.** 2004. Clonal variation in heavy metal accumulation and biomass production in a poplar coppice culture. I. Seasonal variation in leaf, wood and bark concentrations. *Environmental Pollution* (in press).
- Laureysens I., De Temmerman L., Hastir T., Van Gysel M., Ceulemans R.** 2004. Clonal variation in heavy metal accumulation and biomass production in a poplar coppice culture. II. Vertical distribution and phytoextraction potential. *Environmental Pollution* (accepted).
- Laureysens I., Pellis A., Willems J., Ceulemans R.** 2004. Growth and production of a short rotation coppice culture of poplar. III. Biomass productivity, population dynamics and leaf characteristics. *Annals of Forest Science* (submitted).

- Lefèvre F., Bordács S., Cottrell J., Gebhardt K., Smulders M.J.M., Vanden Broeck A., Vornam B., van Dam B.C.** 2002. Recommendations for riparian ecosystem management based on the general frame defined in EUFORGEN and results from EUROPOP. In: Proceedings of an International Symposium on Genetic diversity in river populations of European black poplar - Implications for riparian eco-system management. B.C. van Dam and S. Bordács, (Eds.), Szekszárd, Hongarije, 16-20 May 2001, Csiszár Nyomda Ltd., Budapest. Pp. 85-92.
- Lescot M., Rombauts S., Zhang J., Aubourg S., Mathe C., Janson S., Rouze P., Boerjan W.** 2004. First annotation of a 95-kb genomic sequence of poplar reveals a disease resistance gene cluster and novel class-I and class-II transposable elements. TAG, 109, 10-22
- Merita J.M., Ralph J., Lapierre C., Jouanin L., Boerjan W.** 2001. NMR characterization of lignins from transgenic poplars with suppressed caffeic acid *O*-methyltransferase activity. J. Chem. Soc.-Perkin Trans. 1, 2939-2945.
- Meiresonne L.** 2001. Bebossing van landbouwgronden met populier. Wat denken de Vlaamse boeren daarover? Hebben zij een zelfde mening als andere Europese boeren? (Resultaten van een enquête). Silva Belgica, N° 5/2001, 18 - 22.
- Meiresonne L., De Schrijver A.** 2003. Populieren en stikstof. Bosrevue 5, p. 10.
- Meiresonne L., Sampson D.A., Kowalski A.S., Janssens I.A., Nadezhdina N., Cermak J., Van Slycken J., Ceulemans R.** 2003. Water flux estimates from a Belgian Scots pine stand: A comparison of different approaches. Journal of Hydrology 270, 230-252
- Meiresonne L., Sampson D.A., Kowalski A.S., Janssens I.A., Nadezhdina N., Cermak J., Van Slycken J., Ceulemans R.** 2004. Reply on comments of Huppert, F. and Vanclooster, M. on Water flux estimates from a Belgian Scots pine stand: A comparison of different approaches. Journal of Hydrology 291, 152-155..
- Mellerowicz E.J., Baucher M., Sundberg B., Boerjan W.** 2001. Unravelling cell wall formation in the woody dicot stem. Plant Mol. Biol. 47, 239-247.
- Mertens P.** 2002. La populiculture et son environnement wallon. Première partie. Silva Belgica, 109, 1, 35-47.
- Mertens P.** 2002. La populiculture et son environnement wallon. Deuxième partie. Silva Belgica, 109, 2, 34-48.
- Mertens P.** 2002. La populiculture et la conservation de la biodiversité : principes et objectifs. Oral presentation at IPS Upsalla meeting.
- Mertens P.** 2003. Les revenus de la sylviculture intensive, l'exemple de la populiculture (partie 1). Forêt Wallonne, 67 Cahier technique n°25, 2-12
- Mertens P.** 2003. Les revenus de la sylviculture intensive, l'exemple de la populiculture (partie 2). Forêt Wallonne, 67 Cahier technique n°26, 2-12
- Mertens P. et al.** 2000. Différences entre le peuplier forestier *P. trichocarpa* et les espèces pionnières *P. nigra* et *P. deltoïdes*. Feuille de contact du G.R.A.P.P., 55, 3, 23-26.
- Mertens P. et al.** 2000. Le peuplier noir : symbole et conservation. Feuille de contact du G.R.A.P.P., 55, 3, 7-22.
- Mertens P. et al.** 2000. Tremble et Faux-tremble. Feuille de contact du G.R.A.P.P., 56, 16-27.
- Mertens P. et al.** 2001. Populiculteurs et populiculture à l'aube du 21^{ème} siècle. Feuille de contact du G.R.A.P.P., 58, 2, 8-14.
- Mertens P. et al.** 2002. Le résultat d'une sélection clonale dans la pépinière de Bonsecours. Feuille de contact du G.R.A.P.P., 61, 1, 17-26
- Mertens P. et al.** 2002. Le résultat d'une sélection clonale dans la pépinière de Bonsecours. Feuille de contact du G.R.A.P.P., 61, 1, 17-26
- Mertens P. et al.** 2002. Les mesures culturales intervenant dans la restauration de la biodiversité. Feuille de contact du G.R.A.P.P., 62, 2, 21-28
- Mertens P. et al.** 2002. Les mesures culturales intervenant dans la restauration de la biodiversité. Feuille de contact du G.R.A.P.P., 62, 2, 21-28

- Mertens P. et al.** 2002. Quelles bases clonales pour la populiculture wallonne ? Feuille de contact du G.R.A.P.P., 62, 2, 29-34
- Mertens P. et al.** 2002. Quelles bases environnementales pour la populiculture wallonne ? Feuille de contact du G.R.A.P.P., 62, 2, 6-20
- Mertens P. et al.** 2003. L'avenir du peuplier en Wallonie et dans les régions voisines. Feuille de contact du G.R.A.P.P., 67, 3, 34-39.
- Mertens P. et al.** 2003. Le peuplier en Wallonie et dans les régions voisines. ISBN 2-87401-149-5, Gembloux-Belgium, 483 p.
- Mertens P. et al.** 2003. Le peuplier et la biomasse énergétique. Feuille de contact du G.R.A.P.P., 66, 2, 6-10
- Mertens P., Duclos G.** 2003. 'Koster', une nouvelle référence en populiculture. *Silva belgica*, 110, 6, 8-16.
- Mertens P., Rugemer A., Chambon R.** 2002. Bases biologiques, conséquences et organisation des tailles de branches vivantes d'essences forestières. Le cas spécifique du peuplier. *Silva belgica*, 108, 6, 34-51.
- Meyermans H., Morreel K., Lapierre C., Pollet B., De Bruyn A., Busson R., Herdewijn P., Devreese B., Van Beeumen J., Marita J.M., Ralph J., Chen C., Burggraeve B., Van Montagu M., Messens E., Boerjan W.** 2000. Modification in lignin and accumulation of phenolic glucosides in poplar xylem upon down-regulation of caffeoyl-coenzyme A *O*-methyltransferase, an enzyme involved in lignin biosynthesis. *J. Biol. Chem.* 275, 36899-36909.
- Michiels B., Roskams P., Steenackers M., Van Slycken J.** 2003. Wat gaat er mis met onze populieren? *Bosrevue* 5, 1-4
- Morreel K., Ralph J., Kim H., Lu F., Goeminne G., Ralph S., Messens E., Boerjan W.** 2004. Profiling of oligolignols reveals monolignol coupling conditions in lignifying poplar xylem. *Plant Physiol.* In press
- Morreel K., Ralph J., Lu F., Goeminne G., Busson R., Herdewijn P., Goeman J., Van Der Eycken J., Boerjan W., Messens E.** 2004. Phenolic profiling of COMT-deficient poplar reveals novel benzodioxane oligolignols. *Plant Physiol*, in press.
- Pilate G., Guiney E., Holt K., Petit-Conil M., Lapierre C., Leplé J.-C., Pollet B., Mila I., Webster E.A., Marstorp H.G., Hopkins D.W., Jouanin L., Boerjan W., Schuch W., Cornu D., Halpin C.** 2002. Field and pulping performances of transgenic trees with altered lignification. *Nature Biotechnol.* 20, 607-612.
- Ralph J., Lapierre C., Lu F., Marita J.M., Pilate G., Van Doorselaere J., Boerjan W., Jouanin L.** 2001. NMR evidence for benzodioxane structures resulting from incorporation of 5-hydroxyconiferyl alcohol into lignins of *O*-methyltransferase-deficient plants. *J. Agric. Food Chem.* 49, 86-91.
- Ralph J., Lapierre C., Marita J.M., Kim H., Lu F., Hatfield R.D., Ralph S., Chapple C., Franke R., Hemm M.R., Van Doorselaere J., Sederoff R.R., O'Malley D.M., Scott J.T., Mackay J.J., Yahiaoui N., Boudet A.-M., Pean M., Pilate G., Jouanin L., Boerjan W.** 2001. Elucidation of new structures in lignins of CAD- and COMT-deficient plants by NMR. *Phytochemistry* 57, 993-1003.
- Ralph J., Lundquist K., Brunow G., Lu F., Kim H., Schatz P.F., Marita J.M., Hatfield R.D., Christensen J.H., Boerjan W.** 2004. Lignins: natural polymers from oxidative coupling of 4-hydroxyphenylpropanoids. *Phytochem. Rev.*, in press.
- Rohde A., Howe G.T., Olsen J.E., Moritz T., Van Montagu M., Junttila O., Boerjan W.** 2000. Molecular aspects of bud dormancy in trees. In *Molecular Biology of Woody Plants, Volume 1*, (Forestry Sciences, Vol. 64), S.M. Jain, and S.C. Minocha (Eds.). Dordrecht, Kluwer Academic Publishers, pp. 89-134 [ISBN 0 7923 6012 5].

- Rohde A., Prinsen E., De Rycke R., Engler G., Van Montagu M., Boerjan W.** 2002. Poplar ABI3 impinges on growth and differentiation of embryogenic leaves during but set in poplar. *Plant Cell* 14, 1885-1901.
- Storme V., Cervera M.-T., Steenackers M., Ivens B., Michiels B., Zabeau M., Boerjan W.** 2000. AFLP™ genome mapping of poplar. *Med. Fac. Landbouww. Univ. Gent* 65/3b, 461-462.
- Storme V., Vanden Broeck A., Ivens B., Halfmaerten D., Van Slycken J., Castiglione S., Grassi F., Fossati T., Cottrell J.E., Tabbener H.E., Lefèvre F., Saintagne C., Fluch S., Krystufek V., Burg K., Bordács S., Gebhardt K., Vornam B., Pohl A., Alba N., Agúndez D., Bovenschen J., van Dam B.C., van der Schoot J., Vosman B., Boerjan W., Smulders M.J.M.** 2004. *Ex-situ* conservation of Black poplar in Europe: genetic diversity in nine gene bank collections and their value for nature development. *Theoretical and applied genetics*, 108 (6): 969 – 981.
- Storme V., Vanden Broeck A., Ivens B., Halfmaerten D., Van Slycken J., Boerjan W.** 2002. *Ex situ* conservation of black poplar in Belgium, the margin of the geographical area of the species. In: *Proceedings of an International Symposium on Genetic diversity in river populations of European black poplar - Implications for riparian eco-system management*. B.C. van Dam and S. Bordács (Eds.), Szekszárd, Hungarije, 16-20 May 2001, Csiszár Nyomda Ltd., Budapest. Pp. 61-72.
- van Dam B.C., Vanden Broeck A., Cottrell J., Heinze B.** 2002. Genetic diversity in Black poplar and the implication for riparian eco-system management, summary of the panel discussion. In: *Proceedings of an International Symposium on Genetic diversity in river populations of European black poplar - Implications for riparian eco-system management*. B.C. van Dam and S. Bordács (Eds.), Szekszárd, Hungarije, 16-20 May 2001, Csiszár Nyomda Ltd., Budapest. Pp. 229-231.
- Van Raemdonck D., Jaziri M., Boerjan W., Baucher M.** 2001. Advances in the improvement of forest trees through biotechnology. *Belg. J. Bot.* 134, 64-78.
- Van Slycken J.** 2000. Afforestation, forestry research, planning and development in the Three North Regions of China. Phase II. Evaluation and planning of the poplar programme for the next two years. *FAO. Rome* Sept. 2000.
- Van Slycken J.** 2001. Afforestation, forestry research, planning and development in the Three North Regions of China. Phase II. Evaluation and planning of the conservation and breeding programme of Poplar and the conservation of Elm genetic resources. *FAO. Rome* Aug.-Sept. 2001.
- Van Slycken J.** 2002. Afforestation, forestry research, planning and development in the Three North Regions of China. Phase II. Final review of the poplar breeding programme. *FAO. Rome* Aug. 2002.
- Van Slycken J., Meiresonne L.** 2002. Mogelijkheden en beperkingen van korte-omloopbossen in Vlaanderen, in het kader van de sanering van verontreinigde landbouwgronden en de productie van groene energie. *Instituut voor Bosbouw en Wildbeheer, interne nota*. Pp. 6.
- Van Slycken J., Meiresonne L., De Boever L., Ponsele K.** 2002. Naar een toekomst voor populier in Vlaanderen? *Instituut voor Bosbouw en Wildbeheer IBW.Bb.IR.2002.001*. Pp. 24.
- Van Slycken J., Michiels B., Steenackers M.** 2002. Les nouveaux clones de l'IBW: 'Muur', 'Vesten', 'Oudenberg' et 'Grimminge'. *Centre de Populiculture du Hainaut, Bulletin trimestriel*, 2002 - N° 4, 67-83.
- Van Slycken J., Michiels B., Steenackers M.** 2004. De nieuwe IBW-klonen “Muur”, “Vesten”, “Oudenberg” en “Grimminge”. *Silva Belgica*, N) 1/2004
- Vanden Broeck A., Van Looy K.** 2003. De terugkeer van de zwarte populier in het Maasland. *De Boskrant*, februari 2003, 28-32.

- Vanden Broeck A., Van Slycken J.** (in press). Introgressive hybridisation in *Populus*. EUFORGEN *Populus nigra* Network. Report of the seventh (Osijek, Croatia, 27 October 2001) and eight (Frankfurt (Oder)/Treppeln, Germany, 22-24 May 2003) meeting, IPGRI, Rome.
- Vanden Broeck A.** 2003. EUFORGEN Technical Guidelines for genetic conservation and use for European black poplar (*Populus nigra* L.). IPGRI, Rome. Pp 6.
- Vanden Broeck A., Jochems H., Storme V., Van Looy K.** 2002. Mogelijkheden tot herstel van levensvatbare populaties Zwarte populier (*Populus nigra* L.) langsheen de Grensmaas. Studie uitgevoerd in het kader van het Besluit van de Vlaamse regering tot instelling en organisatie van een Vlaams Impulsprogramma Natuurontwikkeling van 8 februari 1995. Vlaams impulsprogramma Natuurontwikkeling, VLINA Eindrapport 0010. 62 pp
- Vanden Broeck A., Quataert P., Roldán-Ruiz I., Van Bockstaele E., Van Slycken J.** 2003. Pollen competition in *P. nigra* females revealed by microsatellite markers. *Forest Genetics* 10 (3): 219-227.
- Vanden Broeck A., Storme V., Cox K., Quataert P., Ivens B., Hostyn V., Halfmaerten D., Boerjan W., Van Slycken J.** 2002. Mating system of *Populus nigra* in a species mixed poplar stand composed of *P. nigra*, *P. deltoides* and *P. x euramericana*. In: Proceedings of an International Symposium on Genetic diversity in river populations of European black poplar- Implications for riparian eco-system management. B.C. van Dam and S. Bordács (Eds.), Szekszárd, Hungarije, 16-20 May 2001, Csiszár Nyomda Ltd., Budapest, Pp. 53-60.
- Vanden Broeck A., Storme V., Cottrell E.J., Boerjan W., Van Bockstaele E., Quataert P., Van Slycken J.** 2004. Gene flow between cultivated poplars and native black poplar (*Populus nigra* L.): A case study along the river Meuse on the Dutch-Belgian border. *Forest Ecology and Management*. 197 (1-3):307-310
- Vanden Broeck A., Villar M., Van Bockstaele E., Van Slycken J.** (submitted). Natural hybridization between cultivated poplars and their wild relatives: evidence and consequences for native poplar populations. *Annals of Forest Science*.
- Vander Mijnsbrugge K.** 2003. Conservation of the heritage of autochthonous woody plants in Flanders (Belgium). *Scripta Botanica Belgica* 24, 105 - 115.
- Vander Mijnsbrugge K., Coart E., Van Den Broeck A., De Vreese R., Dumortier M.** 2003. Bomen en struiken. *in: Natuurrapport 2003. Toestand van de natuur in Vlaanderen: cijfers voor het beleid. Mededelingen van het Instituut voor Natuurbehoud nr. 21, Brussel, 37-41.*
- Vander Mijnsbrugge K., Beeckman H., De Rycke R., Van Montagu M., Engler G., Boerjan W.** 2000. Phenylcoumaran benzylic ether reductase, a prominent poplar xylem protein, is strongly associated with phenylpropanoid biosynthesis in lignifying cells. *Planta* 211, 502-509.
- Vander Mijnsbrugge K., Meyermans H., Van Montagu M., Bauw G., Boerjan W.** 2000. Wood formation in poplar: identification, characterization, and seasonal variation of xylem proteins. *Planta* 210, 589-598.
- Verstraeten A., De Keersmaeker L., Vandekerkhove K.** 2003. Over populieren, brandnetels en natuurbehoud: de omstreden positie van cultuurpopulieren onder de loep. *Natuur.focus*. 2(1): 37-41.
- Verstraeten A., De Keersmaeker L., Vandekerkhove K., De Bruyn L., Smets K., D'havé H., Willems L., Lust N.** 2004. Evaluatie van beheersmaatregelen om de ecologische waarde van populierenbossen te optimaliseren. IBW-rapport. IBW.Bb.R.2004.004.
- Verstraeten A., Vandekerkhove K., De Keersmaeker L.** 2003. Ecologisch beheer van populierenbossen. *Bosrevue*. 2: 5-9.
- Verstraeten A., Vandekerkhove K., De Keersmaeker L.** 2003. Naar een ecologisch verantwoord beheer van populierenbossen. *Silva Belgica* 2: 44-51.

- Yin T.-M., Difazio S.P., Gunter L.E., Jawdy S.S., Boerjan W., Tuskan G.A.** 2004. Genetic and physical mapping of *Melampsora* rust resistance genes in *Populus* and characterization of linkage disequilibrium and flanking genomic sequences. *New Phytol.*, in press.
- Zhang J., Steenackers M., Storme V., Neyrinck S., Van Montagu M., Gerat T., Boerjan W.** 2001. Fine mapping and identification of nucleotide-binding site/leucine-rich repeat sequences at the *MER* locus in *Populus deltoides* 'S9-2'. *Phytopathology* 91, 1069-1

Bulgaria

- Alexandrova Ek., Kalmukov K.** 2001. Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. II. Nitrogen nutrition and defensive reaction of the poplars P. I-124 at stress levels of water storage ability of different soils. Collected works "Achievements and perspectives of the water regimen and mineral nutrition of the plants in Bulgaria". Bulgarian Academy of Sciences IFR C, vol. 2, 147-150.
- Alexandrova Ek., Kalmukov K., Yakimov M.** 2002 Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. V. Defensive oxidation and water consumption activity of different varieties of poplars at decreased soil humidity reaching critical levels. "75 years Forest Institute". Collection of Works Scientific Reports, vol.2, 75-78.
- Alexandrova Ek., Kalmukov K., Yakimov M., Tsanov Ts.** 2001. Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. V. Biochemical criteria for anti-stress activity and adaptability of poplars in different soils after drought stress. Third Balkan Scientific Conference. Vol. II, 2-6 October 2001, Sofia, 278-287.
- Alexandrova Ek., Kalmukov K., Yakimov M., Tsanov Ts.** 2001. Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. III. Effect of the level of water stocking at different soils upon the photo-synthetic activity and vitality of P. I-214. Collected works "Achievements and perspectives of the water regimen and mineral nutrition of the plants in Bulgaria". Bulgarian Academy of Sciences IFR C, vol. 2, 151-154.
- Georgiev G., Alexandrova Ek., Kalmukov K., Atanasov B.** 2002. Efficiency of utilization of soil nitrogen water and symbiotically fixed atmospheric N₂ in the combined growing of black locust (*Robinia pseudoacacia* L.) and poplar (*Populus euramericana* Dode Guinier) depending on different nitrogen levels. European Workshop on Environmental Stress and Sustainable Agriculture, Varna.
- Kalmukov K., Alexandrova Ek., Yakimov M.** 2003. Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. VI. Ex-adaptation possibilities of different poplars upon alluvial meadow soils in half-controlled conditions. "75 years Forest Institute". Collection of Works Scientific Reports, vol.2, 79-83.
- Kalmukov K., Alexandrova Ek., Yakimov M., Tsanov Ts.** 2001. Drought resistance of poplars at various physiological and biochemical statuses and hydrologic conditions. IV. Adaptation alternations in nitrogen nutrition and water consumption of poplars after drought stress of various types of soils. Third Balkan Scientific Conference. Vol. II, 2-6 October 2001, Sofia, 266-277.
- Vasev Iv., Tsanov Ts, Stiptsov V.** 2002. Management of rapidly growing plantations – 11-13.09.2002 Izmit, Turkey.

- Vasev Iv., Tsanov Ts.** 2002. Creating collection – *ex situ* in poplar station – Pazardzhik aiming at preservation of the genetic resources of the black poplar (*Populus nigra*) in Bulgaria. International meeting of IUFRC11-13.09.2002. Izmit, Turkey.
- Yakimov Miroslav.** 2002. Intensive poplar cultures purposed for short rotation biomass production. Res. Assoc. I deg. Eng. Miroslav Mikov. International meeting of IUFRO – management of rapidly growing plantations – 11-13.09.2002, Izmit, Turkey.
- Yonovska Il.** 2001. Status and perspectives of the poplar forestry in Bulgaria. In: Study Conservation and Utilization of Forest Resources Proceedings, volume I, Sofia, 2001, p. 476-481.
- Yonovska Il.** 2003. Cultivation of rapidly growing forest tree varieties – possibility for diversification of activities in rural regions (for printing in the collection of works from the scientific conference with international participation, St. Zagora 5-6th June 2003 (for print).
- Yonovska Il.** 2003. Economical research on supply and demand of wood from rapidly growing varieties on the territory of Regional Forest Administration – Rousse. In: Collection Scientific Reports from International Scientific Conference “50 years Sylviculture University”, 1-2 April 2003, section “Management and stable development” p. 161-163.
- Yonovska Il.** 2003. Energy plantations in Sweden – Forest, issue 7, p. 6.

Canada

The following literature listing consists of topics involving the genus Populus or Salix and meets the following criteria:

1. Published in the period 2000 to 2003 (inclusive)
2. Authored by persons listed as residing in Canada; or
3. Published in Canada

The list therefore may include authors who do not reside in Canada, but published there papers in a Canadian publication. There is no connection between these listings and the report itself, other than that it meets the standards for submission to the National Report to the International Poplar Commission. The listing is alphabetically ordered by author's name.

- Agrawal A.A., Kosola K.R., Parry D.** 2002. Gypsy moth defoliation and N fertilization affect hybrid poplar regeneration following coppicing. Canadian-Journal-of-Forest-Research. 32: 8, 1491-1495.
- Alfaro R.I.** 2003. The 'grand forest borer' *Platypus mutatus* (=sulcatus): an important pest of poplar culture in Argentina. A plan of action. El "taladrillo grande de los forestales", *Platypus mutatus* (=sulcatus): importante plaga de la populicultura Argentina. Un plan de acción. SAGPyA-Forestal. No.28, 11-18.
- Amlin N.M., Rood S.B.** 2003 Drought stress and recovery of riparian cottonwoods due to water table alteration along Willow Creek, Alberta. Trees: Structure and Function. 17: 4, 351-358.
- Arain M.A., Black T.A., Barr A.G., Jarvis P.G., Massheder J.M., Versegghy D.L., Nestic Z., Apps M.J. (ed.), Karjalainen T. (ed.), Stocks B.J. (ed.), Shaw C.** 2002. The role of boreal forests and forestry in the global carbon budget. Papers from an international conference, Edmonton, Alberta, Canada, 8-12 May 2000. Effects of seasonal and interannual climate variability on net ecosystem productivity of boreal deciduous and conifer forests. Canadian Journal of Forest Research. 32: 5, 878-891.

- Barr Alan G., van-der-Kamp Garth, Schmidt Randy, Black T. Andrew.** 2000. Monitoring the moisture balance of a boreal aspen forest using a deep groundwater piezometer. *Agricultural and Forest Meteorology*. 102(1): 13-24
- Bekkaoui F., Mann B., Schroeder B.** 2003. Application of DNA markers for the identification and management of hybrid poplar accessions. 7th Biennial Conference on Agroforestry in North America. Selected papers, Regina, Saskatchewan, Canada, 12-15 August 2001. *Agroforestry Systems*. 59: 1, 53-59.
- Bergeron Y.** 2000. Species and stand dynamics in the mixed woods of Quebec's southern boreal forest. *Ecology*. 81: 6, 1500-1516.
- Berthelot A.** 2001. Mixture of clones in short rotation coppices of poplar: effect on productivity and uniformity of harvested products. (Mélange de clones en taillis à courtes rotations de peuplier: Influence sur la productivité et l'homogénéité des produits récoltes). *Canadian Journal of Forest Research*. 31: 7, 1116-1126.
- Black B.L., Fuchigami L.H., Coleman G.D.** 2002. Partitioning of nitrate assimilation among leaves, stems and roots of poplar. *Tree-Physiology*. Victoria [B.C.] Canada : Heron Pub., July 2002. v. 22 (10) p.717-724.
- Blenis P.V., Chow P.S.** 2001. Inoculation of *Populus tremuloides* with *Pollaccia americana*. *Canadian Journal of Plant Pathology*. 23: 2, 149-157.
- Boudreault C., Gauthier S., Bergeron Y.** 2000. Epiphytic lichens and bryophytes on *Populus tremuloides* along a chronosequence in the southwestern boreal forest of Quebec, Canada. *Bryologist*. 103: 4, 725-738.
- Brandt J.P., Cerezke H.F., Mallett K.I., Volney W.J.A., Weber J.D.** 2003. Factors affecting trembling aspen (*Populus tremuloides* Michx.) health in the boreal forests of Alberta, Saskatchewan, and Manitoba, Canada. *Forest Ecology and Management*. 178: 3, 287-300.
- Brown K.R., van den-Driessche R.** 2002. Growth and nutrition of hybrid poplars over 3 years after fertilization at planting. *Canadian Journal of Forest Research*. 32: 2, 226-232.
- Bucking H., Heyser W.** 2001. Microautoradiographic localization of phosphate and carbohydrates in mycorrhizal roots of *Populus tremula x Populus alba* and the implications for transfer processes in ectomycorrhizal associations. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., v. 21 (2/3) p. 101-107.
- Candau J.N., Abt V., Keatley L.** 2002. Bioclimatic analysis of declining aspen stands in Northeastern Ontario. Forest Research Report, Ontario Forest Research Institute. 2002, No.154, iii + 16 pp.; 41 ref.
- Carmosini N., Devito K.J., Prepas E.E.** 2003. Net nitrogen mineralization and nitrification in trembling aspen forest soils on the Boreal Plain. *Canadian Journal of Forest Research*. 33: 11, 2262-2268.
- Carmosini N., Devito K.J., Prepas E.E.** 2002. Gross nitrogen transformations in harvested and mature aspen-conifer mixed forest soils from the Boreal Plain. *Soil Biology and Biochemistry*. 34: 12, 1949-1951.
- Casella E., Ceulemans R.** 2002. Spatial distribution of leaf morphological and physiological characteristics in relation to local radiation regime within the canopies of 3-year-old *Populus* clones in coppice culture. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub. v. 22 (18) p.1277-1288.
- Cervera M.-T., Remington D., Frigerio J.-M., Storme V., Ivens B., Boerjan W., Plomion C.** 2000. Improved AFLP analysis of tree species. *Canadian Journal of Forest Research*. 30(10): 1608-1616.
- Chen H.Y.H., Krestov P.V., Klinka K.** 2002. Trembling aspen site index in relation to environmental measures of site quality at two spatial scales. *Canadian Journal of Forest Research*. 32: 1, 112-119.

- Chen ShaoLiang, Li JinKe, Wang ShaSheng, Fritz E., Huttermann A., Altman A., Chen S.L., Li J.K., Wang S.S.** 2003. Effects of NaCl on shoot growth, transpiration, ion compartmentation, and transport in regenerated plants of *Populus euphratica* and *Populus tomentosa*. Canadian Journal of Forest Research. 33: 6, 967-975.
- Cherry M.** 2001. Options for allocating afforestation stock in Ontario with anticipated climate change. Forest Research Information Paper. Ontario Forest Research Institute. No.148, iv + 29 pp..
- Cisneros H.A., Belanger L., Gee W.Y., Watson P.A., Hatton J.V.** 2000. Wood and fiber properties of hybrid poplars from southern British Columbia. Tappi Journal. 83: 7, 60.
- Conlin T., Harper G.J., Comeau P.G.** 2000. Evaluation of the effectiveness of *Chondrostereum purpureum* for the control of mechanically brushed trembling aspen (*Populus tremuloides* Michx.) suckers in a 2-year-old conifer plantation: third-year results (MOF EP 1135.05). Extension Note. British Columbia Ministry of Forests. No. 49, 4 pp.
- Conlin T.S.S.** 2001. In-woods chipping: possible evidence for allelochemical interaction of leachate generated from trembling aspen (*Populus tremuloides* Michx.) bark and wood waste. Forestry Chronicle. 77: 2, 345-349.
- Constabel C.P., Yip L., Patton J.J., Christopher M.E.** 2000. Polyphenol oxidase from hybrid poplar. Cloning and expression in response to wounding and herbivory. Plant Physiology. 124: 1, 285-295.
- Cooke B.J., Roland J.** 2003. The effect of winter temperature on forest tent caterpillar (Lepidoptera: Lasiocampidae) egg survival and population dynamics in northern climates. Environmental Entomology. 32: 2, 299-311.
- Cote B., Fyles J.W., Djalilvand H.** 2002. Increasing N and P resorption efficiency and proficiency in northern deciduous hardwoods with decreasing foliar N and P concentrations. Annals of Forest Science. 59: 3, 275-281.
- Cox S.E., Stushnoff C.** 2001. Temperature-related shifts in soluble carbohydrate content during dormancy and cold acclimation in *Populus tremuloides*. Canadian Journal of Forest Research. 31: 4, 730-737.
- Cumming S.G., Schmiegelow F.K.A., Burton P.J.** 2000. Gap dynamics in boreal aspen stands: is the forest older than we think? Ecological Applications. 10(3): 744-759.
- Dale M.R.T., Francis S., Krebs C.J., Nams V.O., Krebs C.J. (ed.), Boutin S. (ed.), Boonstra R.** 2001. Ecosystem dynamics of the boreal forest: the Kluane project. 116-137. Trees.
- David A.J., Zasada J.C., Gilmore D.W., Landhausser S.M.** 2001. Current trends in the management of aspen and mixed aspen forests for sustainable production. Forestry Chronicle. 77: 3, 525-532.
- DesRochers Annie, Landhausser Simon M., Lieffers Victor J.** 2002. Coarse and fine root respiration in aspen (*Populus tremuloides*). Tree Physiology. 22(10): 725-732.
- DesRochers Annie, Lieffers Victor J.** 2001. Root biomass of regenerating aspen (*Populus tremuloides*) stands of different densities in Alberta. Canadian Journal of Forest Research. 31(6): 1012-1018.
- DesRochers Annie, van-den-Driessche R., Thomas Barb R.** 2003. Nitrogen fertilization of trembling aspen seedlings grown on soils of different pH. Canadian Journal of Forest Research. 33: 4, 552-560.
- DesRochers Annie, Landhausser Simon M., Lieffers Victor J.** 2002. Coarse and fine root respiration in aspen (*Populus tremuloides*). Tree Physiology. 22: 10, 725-732.
- DesRochers A., Lieffers V.J.** 2001. The coarse-root system of mature *Populus tremuloides* in declining stands in Alberta, Canada. Journal of Vegetation Science. 12: 3, 355-360.
- Desrochers A., Thomas B.R.** 2003. A comparison of pre-planting treatments on hardwood cuttings of four hybrid poplar clones. New Forests. 26: 1, 17-32.
- Dickmann D.I., Isebrands J.G., Eckenwalder J.E., Richardson J. (Editors)** 2001. Poplar culture in North America. NRC Research Press, Ottawa, Ontario, Canada. 397 pp.

- Doucet R.** 2000. Effect of long-term thinning and fertilizing on the growth of natural poplar stands. (Effet à long terme de l'éclaircie et de la fertilisation sur la croissance de peupleraies naturelles). Note de Recherche Forestière. Direction de la Recherche Forestière Québec. No. 108, 9 pp.
- Van den Driessche R., Rude W., Martens L., van den Driessche R.** 2003. Effect of fertilization and irrigation on growth of aspen (*Populus tremuloides* Michx.) seedlings over three seasons. *Forest Ecology and Management*. 186: 1-3, 381-389.
- Van den Driessche R.** 2000. Phosphorus, copper and zinc supply levels influence growth and nutrition of a young *Populus trichocarpa* (Torr. & Gray) x *P. deltoides* (Bartr. ex Marsh) hybrid. *News Forests*. 19: 2, 143-157.
- Dunlap J.M., Stettler R.F.** 2001. Variation in leaf epidermal and stomatal traits of *Populus trichocarpa* from two transects across the Washington Cascades. *Canadian Journal of Botany*. 79: 5, 528-536.
- Edgar C.B., Burk T.E.** 2001. Productivity of aspen forests in northeastern Minnesota, USA, as related to stand composition and canopy structure. *Canadian Journal of Forest Research*. 31: 6, 1019-1029.
- Fernandez M.P., Breuil C., Watson P.A.** 2002. Natural clonal variation of wood extractives in *Populus tremuloides*. *Canadian Journal of Forest Research*. 32: 7, 1192-1199.
- Fernandez M.P., Watson P.A., Breuil C.** 2001. Gas chromatography-mass spectrometry method for the simultaneous determination of wood extractive compounds in quaking aspen. *Journal of Chromatography*, 922: 1-2, 225-233.
- Ferris R., Long L., Bunn S.M., Robinson K.M., Bradshaw H.D., Rae A.M., Taylor G.** 2002. Leaf stomatal and epidermal cell development: identification of putative quantitative trait loci in relation to elevated carbon dioxide concentration in poplar. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub. v. 22 (9) p. 633-640.
- Fraser E.C., Landhausser S.M., Lieffers V.J.** 2003. The effects of mechanical site preparation and subsequent wildfire on trembling aspen (*Populus tremuloides* Michx.) regeneration in central Alberta, Canada. *New Forests*. 25: 1, 67-81.
- Fraser E.C., Lieffers V.J., Landhausser S.M., Frey B.R.** 2002. Soil nutrition and temperature as drivers of root suckering in trembling aspen. *Canadian Journal of Forest Research*. 32: 9, 1685-1691.
- Frey Brent R., Lieffers Victor J., Landhausser Simon M., Comeau Phil G., Greenway Ken J.** 2003 Toxicity and chemistry of aspen wood leachate to aquatic life: Field study. *Canadian Journal of Forest Research*. 33(7): 1169-1179.
- Gielen B., Calfapietra C., Sabatti M., Ceulemans R.** 2001. Leaf area dynamics in a closed poplar plantation under free-air carbondioxide enrichment. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub. v. 21 (17) p.1245-1255.
- Gill R.I.S., Ellis B.E., Isman M.B.** 2003. Tryptamine-induced resistance in tryptophan decarboxylase transgenic poplar and tobacco plants against their specific herbivores. *Journal of Chemical Ecology*. 29: 4, 779-793.
- Goward Trevor, Arsenault Andre.** 2003. Notes on the *Populus* "dripzone effect" on lichens in well-ventilated stands in east-central British Columbia. *Canadian Field Naturalist*. 117(1): 61-65
- Gower Stith T., Hunter Amanda, Campbell John, Vogel Jason, Veldhuis Hugo, Harden Jennifer, Trumbore Sue, Norman John M., Kucharik Chris J.** 2000. Nutrient dynamics of the southern and northern BOREAS boreal forests. *Ecoscience*. 7(4): 481-490.
- Grant R.F., Nalder I.A.** 2000. Climate change effects on net carbon exchange of a boreal aspen-hazelnut forest: estimates from the ecosystem model ecosys. *Glob-chang-biol*. Oxford, UK : Blackwell Science, 1995. v. 6 (2) p. 183-200.

- Green D.S., Kruger E.L., Stanosz G.R.** 2003. Effects of polyethylene mulch in a short-rotation, poplar plantation vary with weed-control strategies, site quality and clone. *Forest Ecology and Management*. 173: 1-3, 251-260.
- Green D.S., Kruger E.L., Stanosz G.R., Isebrands J.G.** 2001. Light-use efficiency of native and hybrid poplar genotypes at high levels of intracopy competition. *Canadian Journal of Forest Research*. 31: 6, 1030-1037.
- Griffis T.J., Black T.A., Morgenstern K., Barr A.G., Nesic Z., Drewitt G.B., Gaumont Guay D., McCaughey J.H.** 2003. Ecophysiological controls on the carbon balances of three southern boreal forests. *Agricultural and Forest Meteorology*. 117: 1-2, 53-71.
- Guevara Escobar A., Edwards W.R.N., Morton R.H., Kemp P.D., Mackay A.D.** 2000. Tree water use and rainfall partitioning in a mature poplar-pasture system. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub. v. 20 (2) p. 97-106.
- Hammond H.E.J., Langor D.W., Spence J.R.** 2001. Early colonization of *Populus* wood by saproxylic beetles (Coleoptera). *Canadian Journal of Forest Research*. 31: 7, 1175-1183.
- Hangs Ryan D., Knight J. Diane, Van Rees Ken C.J.** 2002 Interspecific competition for nitrogen between early successional species and planted white spruce and jack pine seedlings. *Canadian Journal of Forest Research*. 32(10): 1813-1821.
- Hangs Ryan D., Knight J. Diane, Van Rees Ken C.J.** 2003. Nitrogen accumulation by conifer seedlings and competitor species from 15 Nitrogen-labeled controlled-release fertilizer. *Soil Science Society of America Journal*. 67(1): 300-308.
- Hart M., Hogg E.H., Lieffers V.J.** 2000. Enhanced water relations of residual foliage following defoliation in *Populus tremuloides*. *Canadian Journal of Botany*. 78(5): 583-590.
- Haruta M., Constabel C.P.** 2003. Rapid alkalization factors in poplar cell cultures. Peptide isolation, cDNA cloning, and differential expression in leaves and methyl jasmonate-treated cells. *Plant Physiology*. 131: 2, 814-823.
- Haruta M., Major I.T., Christopher M.E., Patton J.J., Constabel C.P.** 2001. A Kunitz trypsin inhibitor gene family from trembling aspen (*Populus tremuloides* Michx.): cloning, functional expression, and induction by wounding and herbivory. *Plant Molecular Biology*. 46: 3, 347-359.
- Haruta M., Pedersen J.A., Constabel C.P.** 2001. Polyphenol oxidase and herbivore defense in trembling aspen (*Populus tremuloides*): cDNA cloning, expression, and potential substrates. *Physiologia Plantarum*. 112: 4, 552-558.
- Hay I., Morency M.J., Seguin A.** 2002. Assessing the persistence of DNA in decomposing leaves of genetically modified poplar trees. *Canadian Journal of Forest Research*. 32: 6, 977-982.
- Hobson Keith A., Bayne Erin Condor.** 2000. Breeding bird communities in boreal forest of western Canada: Consequences of "unmixing" the mixedwoods. *Forest Ecology and Management*. 102(4): 759-769.
- Hobson K.A., Bayne E.** 2000. The effects of stand age on avian communities in aspen-dominated forests of central Saskatchewan, Canada. *Forest Ecology and Management*. 136: 1-3, 121-134.
- Hogg E.H., Hart M., Lieffers V.J.** 2002. White tree rings formed in trembling aspen saplings following experimental defoliation. *Canadian Journal of Forest Research*. 32(11): 1929-1934.
- Hogg E.H., Saugier B., Pontailier J.Y., Black T.A., Chen W., Hurdle P.A., Wu A.** 2000. Responses of trembling aspen and hazelnut to vapor pressure deficit in a boreal deciduous forest. *Tree Physiology*. 20(11): 725-734.

- Hogg E.H., Brandt J.P., Kochtubajda B., Apps M.J. (ed.), Karjalainen T. (ed.), Stocks B.J. (ed.), Shaw C.** 2002. The role of boreal forests and forestry in the global carbon budget. Papers from an international conference, Edmonton, Alberta, Canada, 8-12 May 2000. Growth and dieback of aspen forests in northwestern Alberta, Canada, in relation to climate and insects. *Canadian Journal of Forest Research*. 32: 5, 823-832.
- Hogg E.H., Shepperd W.D. (ed.), Binkley D. (ed.), Bartos D.L. (ed.), Stohlgren T.J. (ed.), Eskew L.G.** 2001. Modeling aspen responses to climatic warming and insect defoliation in Western Canada. Sustaining aspen in western landscapes: symposium proceedings, Grand Junction, Colorado, USA, June 13-15, 2000. Proceedings – Rocky Mountain Research Station – USDA Forest-Service. No.RMRS-P-18, 325-338.
- Hopkin A., Williams T., Sajan R., Pedlar J., Nielsen C.** 2003. Ice storm damage to eastern Ontario forests: 1998-2001. *Forestry Chronicle*. 79: 1, 47-53.
- Howe Glenn T., Aitken Sally N., Neale David B., Jermstad Kathleen D., Wheeler Nicholas C., Chen Tony H.H.** 2003. From genotype to phenotype: Unraveling the complexities of cold adaptation in forest trees. *Canadian Journal of Botany*. 81(12): 1247-1266.
- Huang JianZhong, Campbell R.A., Studens J.A., Fleming R.A., Huang J.Z.** 2000. Absorption and translocation of triclopyr ester in *Populus tremuloides*. *Weed Science*. 48: 6, 680-687.
- Jacobi V., Plourde A., Charest P.J., Hamelin R.C.** 2000. *In vitro* toxicity of natural and designed peptides to tree pathogens and pollen. *Canadian Journal of Botany*. 78(4): 455-461.
- Jalilvand H., Jalali S.G., Akbarnia M., Tabari M., Hosseini S.M.** 2001. Growth response of eight hardwood species to current and past climatic variations using regression models. *Journal of Agricultural Science and Technology*. 3: 3, 209-225.
- James R.R., Newcombe G.** 2000. Defoliation patterns and genetics of insect resistance in cottonwoods. *Canadian Journal of Forest Research*. 30: 1, 85-90.
- Jourez B.[Reprint-author], Riboux A.[Author], Leclercq A.** 2001. Comparison of basic density and longitudinal shrinkage in tension wood and opposite wood in young stems of *Populus euramericana* cv. Ghoy when subjected to a gravitational stimulus. *Canadian Journal of Forest Research*. 31(10): 1676-1683.
- Kalischuk A.R., Rood S.B., Mahoney J.M.** 2001. Environmental influences on seedling growth of cottonwood species following a major flood. *Forest Ecology and Management*. 144: 1-3, 75-89.
- Kamaluddin Mohammed, Zwiazek Janusz J.** 2002. Ethylene enhances water transport in hypoxic aspen. *Plant Physiology (Rockville)*. 128(3): 962-969.
- Kamaluddin M., Zwiazek J.J.** 2002. Naphthenic acids inhibit root water transport, gas exchange and leaf growth in aspen (*Populus tremuloides*) seedlings. *Tree Physiology*. 22: 17, 1265-1270.
- Kang KyuYoung, Jo ByoungMuk, Oh JungSoo, Mansfield S.D., Kang K.Y., Jo B.M., Oh J.S.** 2003. The effects of biopulping on chemical and energy consumption during kraft pulping of hybrid poplar. *Wood And Fiber Science*. 35: 4, 594-600.
- Khasa P.D., Chakravarty P., Robertson A., Thomas B.R., Dancik B.P.** 2002. The mycorrhizal status of selected poplar clones introduced in Alberta. *Biomass and Bioenergy*. 22: 2, 99-104.
- Khasa P.D., Hambling B., Kernaghan G., Fung M., Ngimbi E.** 2002. Genetic variability in salt tolerance of selected boreal woody seedlings. *Forest Ecology and Management*. 165: 1-3, 257-269.
- Van Kooten G.C.** 2000. Economic dynamics of tree planting for carbon uptake on marginal agricultural lands. *Canadian Journal of Agricultural Economics*. 48: 1, 51-65.

- Kouassi K.C., Lorenzetti F., Guertin C., Cabana J., Mauffette Y.** 2001. Variation in the susceptibility of the forest tent caterpillar (Lepidoptera: Lasiocampidae) to *Bacillus thuringiensis* variety kurstaki HD-1: Effect of the host plant. *Journal of Economic Entomology*. 94(5): 1135-1141.
- Krzic M., Newman R.F., Broersma K.** 2003. Plant species diversity and soil quality in harvested and grazed boreal aspen stands of northeastern British Columbia. *Forest Ecology and Management*. 182: 1-3, 315-325.
- Landhausser Simon M., Muhsin Tawfik M., Zwiazek Janusz J.** 2002. The effect of ectomycorrhizae on water relations in aspen (*Populus tremuloides*) and white spruce (*Picea glauca*) at low soil temperatures. *Canadian Journal of Botany*. 80(6): 684-689.
- Landhausser S.M., DesRochers A., Lieffers V.J.** 2001. A comparison of growth and physiology in *Picea glauca* and *Populus tremuloides* at different soil temperatures. *Canadian Journal of Forest Research*. 31: 11, 1922-1929.
- Landhausser S.M., Lieffers V.J.** 2003. Seasonal changes in carbohydrate reserves in mature northern *Populus tremuloides* clones. *Trees: Structure and Function*. 17: 6, 471-476.
- Landhausser S.M., Muhsin T.M., Zwiazek J.J.** 2002. The effect of ectomycorrhizae on water relations in aspen (*Populus tremuloides*) and white spruce (*Picea glauca*) at low soil temperatures. *Canadian Journal of Botany*. 80: 6, 684-689.
- Lapointe G., Luckevich M.D., Cloutier M., Seguin A.** 2001. 14-3-3 gene family in hybrid poplar and its involvement in tree defence against pathogens. *Journal of Experimental Botany*. 52: 359, 1331-1338.
- Latva Karjanmaa T., Suvanto L., Leinonen K., Rita H.** 2003. Emergence and survival of *Populus tremula* seedlings under varying moisture conditions. *Canadian Journal of Forest Research*. 33: 11, 2081-2088.
- Law K.N., Rioux S., Valade J.L.** 2000. Wood and paper properties of short rotation poplar clones. *Tappi-Journal*. 83: 5, 88.
- Lawrence Susan D., Cooke Janice E.K., Greenwood John S., Korhna Theresa E., Davis John M.** 2001. Vegetative storage protein expression during terminal bud formation in poplar. *Canadian Journal of Forest Research*. 31(6): 1098-1103.
- Lee Philip, Sturgess Kelly.** 2001. The effects of logs, stumps, and root throws on understory communities within 28-year-old aspen-dominated boreal forests. *Canadian Journal of Botany*. 79(8): 905-916.
- Lieffers V.J., Landhausser S.M., Hogg E.H., Shepperd W.D. (ed.), Binkley D. (ed.), Bartos D.L. (ed.), Stohlgren T.J. (ed.), Eskew L.G.** 2001. Is the wide distribution of aspen a result of its stress tolerance? Sustaining aspen in western landscapes: symposium proceedings, Grand Junction, Colorado, USA, June 13-15, 2000. Proceedings – Rocky Mountain Research Station, USDA Forest Service. No.RMRS-P-18, 311-323.
- Lieffers V.J., Pinno B.D., Stadt K.J.** 2002. Light dynamics and free-to-grow standards in aspen-dominated mixedwood forests. *Forestry Chronicle*. 78: 1, 137-145.
- Little T.I., Pluth D.J., Corns I.G.W., Gilmore D.W., Apps M.J. (ed.), Karjalainen T. (ed.), Stocks B.J. (ed.), Shaw C.** 2002. The role of boreal forests and forestry in the global carbon budget. Papers from an international conference, Edmonton, Alberta, Canada, 8-12 May 2000. Post-fire forest floor development along toposequences of white spruce - trembling aspen mixedwood communities in west-central Alberta. *Canadian Journal of Forest Research*. 32: 5, 892-902.
- Lu ErYang, Sucoff E.I., Lu E.Y.** 2001 Responses of quaking aspen (*Populus tremuloides*) seedlings to solution calcium. *Canadian Journal of Forest Research*. 31: 1, 123-131.
- Lumley T.C., Gignac L.D., Currah R.S.** 2001. Microfungus communities of white spruce and trembling aspen logs at different stages of decay in disturbed and undisturbed sites in the boreal mixedwood region of Alberta. *Canadian Journal of Botany*. 79: 1, 76-92.

- MacPherson D.M., Lieffers V.J., Blenis P.V.** 2001. Productivity of aspen stands with and without a spruce understory in Alberta's boreal mixedwood forests. *Forestry Chronicle*. 77: 2, 351-356.
- Marron N., Delay D., Petit J.M., Dreyer E., Kahlem G., Delmotte F.M., Brignolas F.** 2002. Physiological traits of two *Populus x euramericana* clones, Luisa Avanzo and Dorskamp, during a water stress and re-watering cycle. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., Aug 2002. v. 22 (12) p. 849-858.
- McCamant T., Black R.A.** 2000. Cold hardiness in coastal, montane, and inland populations of *Populus trichocarpa*. *Canadian Journal of Forest Research*. 30: 1, 91-99.
- McDonald J.G., Wong E.** 2001. Use of a monoclonal antibody and genomic fingerprinting by repetitive-sequence-based polymerase chain reaction to identify *Xanthomonas populi* pathovars. *Canadian Journal of Plant Pathology*. 23(1): 47-51.
- Meilan R., Han K.H., Ma C., DiFazio S.P., Eaton J.A., Hoiem E.A., Stanton B.J., Crockett R.P., Taylor M.L., James R.R., Skinner J.S., Jouanin L., Pilate G., Strauss S.H.** 2002. The CP4 transgene provides high levels of tolerance to Roundup(R) herbicide in field-grown hybrid poplars. *Canadian Journal of Forest Research*. 32: 6, 967-976.
- Mentag R., Luckevich M., Morency M.J., Seguin A.** 2003. Bacterial disease resistance of transgenic hybrid poplar expressing the synthetic antimicrobial peptide D4E1. *Tree Physiology*. 23: 6, 405-411.
- Mohamed Rozi, Meilan Richard, Ostry Michael E., Michler Charles H., Strauss Steven H.** 2001. Bacterio-opsin gene overexpression fails to elevate fungal disease resistance in transgenic poplar (*Populus*). *Canadian Journal of Forest Research*. 31(2): 268-275.
- Mohammed Kamaluddin, Zwiazek J.J.** 2003. Fluoride inhibits root water transport and affects leaf expansion and gas exchange in aspen (*Populus tremuloides*) seedlings. *Physiologia Plantarum*. 117: 3, 368-375.
- Morrison I.K., Lee J. Jr., Cameron D.A., Leblanc J.D., Dumas M.T., Richardson J. (ed.), Bjorheden R. (ed.), Hakkila P. (ed.), Lowe A.T. (ed.), Smith C.T.** 2001. Carbon distribution and above-ground net production as influenced by harvesting in a second-growth boreal mixedwood forest in Eastern Canada. *Proceedings of the IEA Bioenergy Task 18 Workshop on Bioenergy from Sustainable Forestry: principles and practice*, Coffs Harbour, New South Wales, Australia, 16-20 October 2000. *Forest Research Bulletin*. No.223, 81-91.
- Morrison I.K., Richardson J. (ed.), Smith T. (ed.), Bjorheden R. (ed.), Lowe A.** 2001. Principles and practice of forestry and bioenergy in densely-populated regions. Biomass growth and element uptake by young trembling aspen in relation to site treatments in Northern Ontario, Canada. *Proceedings of the IEA Bioenergy Task 31 Workshop*, Garderen, The Netherlands, 16-21 September 2001.
- Moses R.A., Boutin S.** 2001. The influence of clear-cut logging and residual leave material on small mammal populations in aspen-dominated boreal mixedwoods. *Canadian Journal of Forest Research*. 31: 3, 483-495.
- Negi M.S., Rajagopal J., Chauhan N., Cronn R., Lakshmikumar M.** 2002. Length and sequence heterogeneity in 5S rDNA of *Populus deltoides*. *Genome*. Ottawa, Ontario, Canada: National Research Council of Canada. Dec 2002. v. 45 (6) p. 1181-1188.
- Neville J., Tessier J.L., Morrison I., Scarratt J., Canning B., Klironomos J.N.** 2002. Soil depth distribution of ecto- and arbuscular mycorrhizal fungi associated with *Populus tremuloides* within a 3-year-old boreal forest clear-cut. *Applied Soil Ecology*. 19: 3, 209-216.
- Newcombe G.** 2000. Inheritance of resistance to *Gomerella cingulata* in *Populus*. *Canadian Journal of Forest Research*. 30(4): 639-644.
- Nigh Gordon D., Krestov Pavel V., Klinka Karel.** 2002. Trembling aspen height-age models for British Columbia. *Northwest Science*. 76(3): 202-212.

- Nigh G.** 2002. Site index conversion equations for mixed trembling aspen and white spruce stands in Northern British Columbia. *Silva Fennica*. 36: 4, 789-797.
- Nigh G.D., Krestov P.V., Klinka K.** 2002. Trembling aspen height-age models for British Columbia. *Northwest Science*. 76: 3, 202-212.
- Northover P.R., Desjardins M.** 2003. First report of bronze leaf disease on hybrid poplar (*Populus x canescens* 'Tower') caused by *Apioplagiostoma populi* in Manitoba, Canada. *Plant Disease*. 87: 12, 1538.
- Oelbermann M., Gordon A.M., Gold M.A.** 2001. Developments in North American agroforestry research: selected papers from the Sixth Biennial North American Agroforestry Conference, 1999, Hot Springs, Arkansas, USA Retention of leaf litter in streams from riparian plantings in southern Ontario, Canada. *Agroforestry Systems*. 53: 3, 323-331.
- Oksanen E., Amores G., Kokko H., Santamaria J.M., Karenlampi L.** 2001. Genotypic variation in growth and physiological responses of Finnish hybrid aspen (*Populus tremuloides* x *P. tremula*) to elevated tropospheric ozone concentration. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., Oct 2001. v. 21 (16) p.1171-1181.
- O'Neill K.P., Kasischke E.S., Richter D.D.** 2002. Environmental controls on soil CO₂ flux following fire in black spruce, white spruce, and aspen stands of interior Alaska. *Canadian Journal of Forest Research*. 32: 9, 1525-1541.
- Pallardy S.G., Gibbins D.E., Rhoads J.L.** 2003. 7th Biennial Conference on Agroforestry in North America. Selected papers, Regina, Saskatchewan, Canada, 12-15 August 2001. Biomass production by two-year-old poplar clones on floodplain sites in the lower Midwest, USA. *Agroforestry Systems*. 59: 1, 21-26.
- Pankuch J.M., Blenis P.V., Lieffers V.J., Mallett K.I.** 2003. Fungal colonization of aspen roots following mechanical site preparation. *Canadian Journal of Forest Research*. 33: 12, 2372-2379.
- Pare D., Bergeron Y., Longpre M.H.** 2001. Potential productivity of aspen cohorts originating from fire, harvesting, and tree-fall gaps on two deposit types in northwestern Quebec. *Canadian Journal of Forest Research*. 31: 6, 1067-1073.
- Parsons S., Lewis K.J., Psyllakis J.M.** 2003. Relationships between roosting habitat of bats and decay of aspen in the sub-boreal forests of British Columbia. *Forest Ecology and Management*. 177: 1-3, 559-570.
- Pearce D.W., Hutt O.E., Rood S.B., Mander L.N.** 2002. Gibberellins in shoots and developing capsules of *Populus* species. *Phytochemistry*. 59: 6, 679-687.
- Peltzer D.A.** 2002. Does clonal integration improve competitive ability? A test using aspen (*Populus tremuloides* [Salicaceae]) invasion into prairie. *American Journal of Botany*. 89: 3, 494-499.
- Peng Yuan-Ying, Dang Qing-Lai.** 2003. Effects of soil temperature on biomass production and allocation in seedlings of four boreal tree species. *Forest Ecology and Management*. 180(1-3): 1-9.
- Penner M., Robinson C., Woods M.** 2001. The response of good and poor aspen clones to thinning. *Forestry Chronicle*. 77: 5, 874-884
- Peters D.J., Constabel C.P.** 2002. Molecular analysis of herbivore-induced condensed tannin synthesis: cloning and expression of dihydroflavonol reductase from trembling aspen (*Populus tremuloides*). *Plant Journal*. 32: 5, 701-712.
- Pinno B.D., Lieffers V.J., Stadt K.J.** 2001. Measuring and modelling the crown and light transmission characteristics of juvenile aspen. *Canadian Journal of Forest Research*. 31: 11, 1930-1939.
- Pitt D., Weingartner D., Greifenhagen S.** 2001. Precommercial thinning of trembling aspen in northern Ontario: Part 2 -- Interactions with Hypoxylon canker. *Forestry Chronicle*. 77: 5, 902-910.

- Polzin Mary Louise [Reprint-author], Rood Stewart B. Rivers.** 2000. Effects of damming and flow stabilization on riparian processes and black cottonwoods along the Kootenay River. 7(3): 221-232.
- Poplar Council of the United States, Poplar Council of Canada.** 2001. Poplar and willow culture: meeting the needs of society and the environment. 12 selected keynote and invited papers. Forestry-Chronicle. 2001, 77: 2, 215-299 pp. International Poplar Commission, 21st session, Portland, Oregon, USA, 24-28 September 2000.
- Potter S., Reath S., Ashif Hussein, Gee Wai, Lawrence V., Drummond J.** 2003. Calcium accumulation in the wood of short-rotation cottonwood species: effects on pulp properties. Wood Science and Technology. 37: 3-4, 321-329.
- Prevost M., Pothier D.** 2003. Partial cuts in a trembling aspen - conifer stand: Effects on microenvironmental conditions and regeneration dynamics. Canadian Journal of Forest Research. 33: 1, 1-15.
- Pruyn M.L., Ewers B.J.-III., Telewski F.W.** 2000. Thigmomorphogenesis: changes in the morphology and mechanical properties of two *Populus* hybrids in response to mechanical perturbation. Tree Physiology. Victoria [B.C.] Canada : Heron Pub., Apr 2000. v. 20 (8) p. 535-540.
- Qian H., Klinka K., Okland R.H., Krestov P., Kayahara G.J.** 2003. Understorey vegetation in boreal *Picea mariana* and *Populus tremuloides* stands in British Columbia. Journal of Vegetation Science. 14: 2, 173-184.
- Rahman M.H., Dayanandan S., Rajora O.P.** 2000. Microsatellite DNA markers in *Populus tremuloides*. Genome. Ottawa, Ontario, Canada : National Research Council of Canada. Apr 2000. v. 43 (2) p. 293-297.
- Rahman M.H., Rajora O.P.** 2002. Microsatellite DNA fingerprinting, differentiation, and genetic relationships of clones, cultivars, and varieties of six poplar species from three sections of the genus *Populus*. Genome. Ottawa, Ontario, Canada : National Research Council of Canada. 45: 6, 1083-1094.
- Rahman M.H., Rajora O.P.** 2001. Microsatellite DNA somaclonal variation in micropropagated trembling aspen (*Populus tremuloides*). Plant Cell Reports. 20: 6, 531-536.
- Rainville A., Desponts M., Beaudoin R., Perinet P., Mottet M.J., Perron M.** 2003. Tree improvement in Quebec: a tool for industrial and environmental productivity. (L'amélioration des arbres au Québec: un outil de performance industrielle et environnementale). Note de – Recherche Forestière, Direction de la Recherche Forestière, Québec. No.127, 1-8. XII World Forestry Congress, Quebec, Canada, September 2003.
- Rajora O.P., Rahman M.H.** 2003. Microsatellite DNA and RAPD fingerprinting, identification and genetic relationships of hybrid poplar (*Populus x canadensis*) cultivars. Theoretical and Applied Genetics. 106: 3, 470-477.
- Rajora O.P., Rahman M.H., Muller Starck G. (ed.), Schubert R.** 2001. Microsatellite DNA markers and their usefulness in poplars, and conservation of microsatellite DNA loci in Salicaceae. Genetic response of forest systems to changing environmental conditions. 105-115; Initiated by the IUFRO Division 7 (Forest Health) and Division 2 (Physiology & Genetics) Conference held in Freising-Munich in 1999.
- Remphrey W.R., Pearn L.P.** 2003. Crown development of a clone of *Populus tremuloides* exhibiting "crooked" architecture and a comparison with wild-type trees. Canadian Journal of Botany. 81: 4, 345-359.
- Rice J.A., MacDonald G.B., Weingartner D.H.** 2001. Precommercial thinning of trembling aspen in northern Ontario: Part 1 --Growth responses. Forestry Chronicle. 77: 5, 893-901.
- Ripullone F., Grassi G., Lauteri M., Borghetti M.** 2003. Photosynthesis-nitrogen relationships: interpretation of different patterns between *Pseudotsuga menziesii* and *Populus x euroamericana* in a mini-stand experiment. Tree Physiology. Victoria [B.C.] Canada : Heron Pub., Feb 2003. v. 23 (2) p. 137-144.

- Ro-DaeKyun, Ehlting J., Douglas C.J.** 2002. Cloning, functional expression, and subcellular localization of multiple NADPH-cytochrome P450 reductases from hybrid poplar. *Plant Physiology*. 130: 4, 1837-1851.
- Ro-DaeKyun, Mah N., Ellis B.E., Douglas C.J.** 2001. Functional characterization and subcellular localization of poplar (*Populus trichocarpa* x *Populus deltoides*) cinnamate 4-hydroxylase. *Plant Physiology*. 126: 1, 317-329.
- Rood Stewart B., Gourley Chad R., Ammon Elisabeth M., Heki Lisa G., Klotz Jonathan R., Morrison Michael L., Mosley Dan, Scopettone G. Gary, Swanson Sherman, Wagner Paul L.** 2003. Flows for floodplain forests: A successful riparian restoration. *Bioscience* 53(7): 647-656.
- Rood Stewart B., Mahoney John M.** 2000. Revised instream flow regulation enables cottonwood recruitment along the St. Mary River, Alberta, Canada
- Rood Stewart B., Patino Sandra, Coombs Krista, Tyree Melvin T.** 2000. Branch sacrifice: Cavitation-associated drought adaptation of riparian cottonwoods. *Trees (Berlin)*. 14(5): 248-257.
- Rood Stewart B., Polzin Mary Louise.** 2003. Big old cottonwoods. *Canadian Journal of Botany*. 81(7): 764-767.
- Rood S.B., Braatne J.H., Hughes F.M.R.** 2003. Ecophysiology of riparian cottonwoods: Stream flow dependency, water relations and restoration. *Tree Physiology*. 23: 16, 1113-1124.
- Rood S.B., Kalischuk A.R., Polzin M.L., Braatne J.H.** 2003. Branch propagation, not cladoptosis, permits dispersive, clonal reproduction of riparian cottonwoods. *Forest Ecology and Management*. 186: 1-3, 227-242.
- Rood S.B., Zanewich K., Stefura C., Mahoney J.M.** 2000. Influence of water table decline on growth allocation and endogenous gibberellins in black cottonwood. *Tree Physiology*. 20: 12, 831-836.
- Rottenberg Aaron, Nevo Eviatar, Zohary Daniel.** 2000. Genetic variability in sexually dimorphic and monomorphic populations of *Populus euphratica* (Salicaceae). *Canadian Journal of Forest Research*. 30(3): 482-486.
- Rowland D.L.** 2001. Diversity in physiological and morphological characteristics of four cottonwood (*Populus deltoides* var. *wislizenii*) populations in New Mexico: evidence for a genetic component of variation. *Canadian Journal of Forest Research*. 31(5): 845-853.
- Rowland D.L., Johnson N.C.** 2001. Sexual demographics of riparian populations of *Populus deltoides*: can mortality be predicted from a change in reproductive status? *Canadian Journal of Botany*. 79: 6, 702-710.
- Ryans M.** 2000. An evaluation of spreading mill biosolids in a forestry operation. Advantage – Forest Engineering Research Institute of Canada - FERIC. 1: 25, 4 pp.
- Schmidt B.C., Roland J., Wakarchuk D.** 2003. Evaluation of synthetic pheromones for monitoring forest tent caterpillar (Lepidoptera: Lasiocampidae) populations. *Environmental Entomology*. 32(1): 214-219.
- Serreqi A.N., Leone R., Del Rio L.F., Mei S., Fernandez M., Breuil C.** 2000. Identification and quantification of important steryl esters in aspen wood.
- Shaw John D., Packee Edmond C. Sr, Ping Chien Lu.** 2001. Growth of balsam poplar and black cottonwood in Alaska in relation to landform and soil. *Canadian Journal of Forest Research*. 31(10): 1793-1804.
- Shepperd W.D., Bartos D.L., Mata S.A.** 2001. Above- and below-ground effects of aspen clonal regeneration and succession to conifers. *Canadian Journal of Forest Research*. 31: 5, 739-745.
- Siemens J.A., Zwiazek J.J.** 2003. Effects of water deficit stress and recovery on the root water relations of trembling aspen (*Populus tremuloides*) seedlings. *Plant Science*. 165: 1, 113-120.

- Sigurdsson B.D., Thorgeirsson H., Linder S.** 2001. Growth and dry-matter partitioning of young *Populus trichocarpa* in response to carbon dioxide concentration and mineral nutrient availability. An evaluation of spreading mill biosolids in a forestry operation. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., Aug 2001. v. 21 (12/13) p. 941-950. *Journal of the-American Oil Chemists' Society*. 77(4): 413-418.
- St Amour M.** 2000. Use of the Kendall Cutter in precommercial strip thinning of aspen. Advantage – Forest Engineering Research Institute of Canada - FERIC. 1:13, 2 pp.
- Stanton B.J.** 2001. Clonal variation in basal area growth patterns during stand development in hybrid poplar. *Canadian Journal of Forest Research*. 31: 12, 2059-2066.
- Stirling B., Yang Z.K., Gunter L.E., Tuskan G.A., Bradshaw H.D. Jr.** 2003. Comparative sequence analysis between orthologous regions of the *Arabidopsis* and *Populus* genomes reveals substantial synteny and microcollinearity. *Canadian Journal of Forest Research*. 33: 11, 2245-2251.
- Stone D.M., Elioff J.D.** 2000. Soil disturbance and aspen regeneration on clay soils: three case histories. *Forestry Chronicle*. 77: 5, 747-752.
- Stone D.M., Kabzems R.** 2002. Aspen development on similar soils in Minnesota and British Columbia after compaction and forest floor removal. *Forestry Chronicle*. 78: 6, 886-891.
- Swanson R.H., Rothwell R.L., Sheperd W.D. (ed.), Binkley D. (ed.), Bartos D.L. (ed.), Stohlgren T.J. (ed.), Eskew L.G.** 2001. Hydrologic recovery of aspen clearcuts in Northwestern Alberta. Sustaining aspen in western landscapes: symposium proceedings, Grand Junction, Colorado, USA, June 13-15, 2000. Proceedings Rocky Mountain Research Station, USDA Forest Service. No.RMRS-P-18, 121-135.
- Tang Y., Liang N.** 2000. Characterization of the photosynthetic induction response in a *Populus* species with stomata barely responding to light changes.
- Taylor Barry R., Carmichael N. Bruce.** 2003. Toxicity and chemistry of aspen wood leachate to aquatic life: Field study. *Environmental Toxicology and Chemistry*. 22(9): 2048-2056.
- Thomas K.D., Reid W.J., Comeau P.G.** 2001. Vegetation management using polyethylene mulch mats and glyphosate herbicide in a coastal British Columbia hybrid poplar plantation: Four-year growth response. *Western Journal of Applied Forestry*. 16(1): 26-30.
- Thomas K.D., Comeau P.G., Brown K.R.** 2000. The silviculture of hybrid poplar plantations. Extension Note – British Columbia Ministry of Forests. No. 47, 7 pp.
- Tupker K.A., Thomas B.R., Macdonald S.E.** 2003. 7th Biennial Conference on Agroforestry in North America. Selected papers, Regina, Saskatchewan, Canada, 12-15 August 2001. Propagation of trembling aspen and hybrid poplar for agroforestry: Potential benefits of elevated CO₂ in the greenhouse. *Agroforestry Systems*. 59: 1, 61-71.
- Volin J.C., Kruger E.L., Lindroth R.L.** 2002. Responses of deciduous broadleaf trees to defoliation in a CO₂ enriched atmosphere. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., May 2002. v. 22 (7) p. 435-448.
- Wan Xianchong, Zwiazek Janusz.** 2001. Root water flow and leaf stomatal conductance in aspen (*Populus tremuloides*) seedlings treated with abscisic acid. 213(5): 741-747.
- Wan Xianchong, Zwiazek Janusz J., Lieffers Victor J., Landhausser Simon M.** 2001. Hydraulic conductance in aspen (*Populus tremuloides*) seedlings exposed to low root temperatures. *Planta (Berlin)*. 21(10): 691-696.
- Wang G. Geoff.** 2003. Early regeneration and growth dynamics of *Populus tremuloides* suckers in relation to fire severity. *Canadian Journal of Forest Research*. 33(10): 1998-2006.
- Wang J.R., Zhong A.L., Kimmins J.P.** 2002. Biomass estimation errors associated with the use of published regression equations of paper birch and trembling aspen. Hydraulic conductance in aspen (*Populus tremuloides*) seedlings exposed to low root temperatures. *Northern Journal of Applied Forestry*. 19(3): 128-136.

- Wang X., Curtis P.S., Pregitzer K.S., Zak D.R.** 2000. Genotypic variation in physiological and growth responses of *Populus tremuloides* to elevated atmospheric CO₂ concentration. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., Sept 2000. v.20 (15) p.1019-1028.
- Wang JieHua, Constabel C.P., Wang J.H.** 2003. Biochemical characterization of two differentially expressed polyphenol oxidases from hybrid poplar. *Phytochemistry*. 64: 1, 115-121.
- Warren J.M., Bassman J.H., Eigenbrode S.** 2002. Leaf chemical changes induced in *Populus trichocarpa* by enhanced UV-B radiation and concomitant effects on herbivory by *Chrysomela scripta* (Coleoptera: Chrysomelidae). *Tree-Physiology*. Victoria [B.C.] Canada : Heron Pub., Nov 2002. v. 22 (15/16) p. 1137-1146.
- White C.A., Feller M.C., Bayley S.** 2003. Forest dynamics and ungulate herbivory: from leaf to landscape. Papers presented at an international conference, Davos, Switzerland, 3-6 October 2001. Predation risk and the functional response of elk-aspen herbivory. *Forest Ecology and Management*. 181: 1-2, 77-97.
- White C.A., Feller M.C., Shepperd W.D. (ed.), Binkley D. (ed.), Bartos D.L. (ed.), Stohlgren T.J. (ed.), Eskew L.G.** 2001. Predation risk and elk-aspen foraging patterns. Sustaining aspen in western landscapes: symposium proceedings, Grand Junction, Colorado, USA, June 13-15, 2000. Proceedings –Rocky Mountain Research Station, USDA Forest Service. No.RMRS-P-18, 61-80.
- Woolfolk W.T.M., Friend A.L.** 2003. Growth response of cottonwood roots to varied NH₄:NO₃ ratios in enriched patches. *Tree-Physiology*. Victoria [B.C.] Canada : Heron Pub., Apr 2003. v. 23 (6) p. 427-432.
- Wullschleger S.D., Tuskan G.A., DiFazio S.P.** 2002. Genomics and the tree physiologist. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., Dec 2002. v. 22 (18) p.1273-1276.
- Wyman J., Bruneau A., Tremblay M.F.** 2003. Microsatellite analysis of genetic diversity in four populations of *Populus tremuloides* in Quebec. *Canadian Journal of Botany*. 81: 4, 360-367.
- Yao Xiaohong, Titus Stephen J., MacDonald S. Ellen.** 2001. A generalized logistic model of individual tree mortality for aspen, white spruce, and lodgepole pine in Alberta mixedwood forests. *Canadian Journal of Forest Research*. 31(2): 283-291.
- Yarie J.** 2000. Boreal forest ecosystem dynamics. II. Application of the model to four vegetation types in interior Alaska. *Canadian Journal of Forest Research*. 30: 6, 1010-1023.
- Yin T., Huang M., Wang M., Zhu L.H., Zeng Z.B., Wu R.** 2001. Preliminary interspecific genetic maps of the *Populus* genome constructed from RAPD markers. *Genome*. Ottawa, Ontario, Canada : National Research Council of Canada. Aug 2001. v. 44 (4) p. 602-609.
- Yin T.M., Zhang X.Y., Huang M.R., Wang M.X., Zhuge Q., Tu S.M., Zhu L.H., Wu R.L.** 2002. Molecular linkage maps of the *Populus* genome. *Genome*. Ottawa, Ontario, Canada : National Research Council of Canada. June 2002. v. 45 (3) p. 541-555.
- Yuceer C., Kubiske M.E., Harkess R.L., Land S.B. Jr.** 2003. Effects of induction treatments on flowering in *Populus deltoides*. *Tree Physiology*. Victoria [B.C.] Canada : Heron Pub., May 2003. v. 23 (7) p. 489-495.
- Yu Q., Pulkkinen P., Rautio M., Haapanen M., Alen R., Stener L.G., Beuker E., Tigerstedt P.M.A.** 2001. Genetic control of wood physicochemical properties, growth, and phenology in hybrid aspen clones. *Canadian Journal of Forest Research*. 31: 8, 1348-1356.
- Zhang ShuYin, Yu QiBin, Chauret G., Ahmed Koubaa, Zhang S.Y., Yu Q.B.** 2003. Selection for both growth and wood properties in hybrid poplar clones. *Forest Science*. 49: 6, 901-908.

Chile

- Guerra F., Vizcarra G., Zamudio F., Watson B.** 2002. Manual para la hibridación de álamo (*Populus* spp.) 51 pp.
- Zamudio F., Guerra F., Vergara A., Yáñez M., Pinon J.** 2002. Crecimiento y adaptabilidad de nuevos híbridos de álamo a las condiciones locales de Talca, VII Región. Chile. Período: diciembre 2000 – julio 2001. Universidad de Talca. Chile. 54 pp.
- Zamudio F., Chacon I., Guerra F.** 2002. Estrategia de mejoramiento del género *Populus* en Chile. Universidad de Talca. Chile. 152 pp.

China

- National Poplar Committee.** 2003. Forum memoirs of the 7th Conference of National Poplar Committee, Utilization and Cultivation of Industry Timber Plantation of Poplar.

Croatia

- Bogdan S.** 2002. Estimate of genetic parameters and biomass production in hardwoods experimental cultures. Master thesis. University of Zagreb, Faculty of Forestry. pp.178.
- Domac J., Jelavić B.** 2000. Bioenergy in Croatia - State of the Art and Future Prospectives. World Renewable Energy Congress VI, Brighton: 1262-1268.
- Domac J., Jelavić B.** 2000. Results and Findings from Biomass Use Program in Croatia. 1st World Conference on Biomass for Energy and Industry, Sevilla: 1256-1260.
- Domac J., Risović S.** 2000. Socioeconomics – the most important argument for introduction of more bioenergy on Croatian islands. *Period. biol.* 102, 1: 639-643.
- Domac J.** 2001. A Review of an Energy Potential of Biomass in Istra. *Period. biol.* 102, 2: 27-33.
- Domac J., Richards K.** 2002. Final Results from IEA Bioenergy Task 29: Socio-Economic Aspects of Bioenergy Systems, 12th European Conference on Biomass for Energy and Climate Protection, Amsterdam: 1200-1204.
- Domac J., Richards K., Jelavić B.** 2002. Progress on IEA Task 29 'Socio-economic Aspects of Bioenergy Systems', World Renewable Energy Congress VII, Köln: 434-436.
- Domac J.** 2003. Bioenergy and job creation. *Unasyuva* 211, Vol.53: 18-20.
- Kajba D., Bogdan S.** 2000. Improvement of arborescent willows and multispecies hybrids by hybridization, transgression, back crossing, selfing and inbreeding. 21st Session of the IPC 2000: poplar and willow culture: meeting the needs of society and the environment; 2000 September 24-28; Vancouver, WA. (Isebrands, J.G and J. Richardson, eds.) Gen. Tech. Rep. NC-215. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 86p.

- Kajba D., Heinze B., Rotach P., de Vries S., Lefèvre F.** 2000. Poplar as a potential model for gene resource conservation in forest ecosystems. 21st Session of the IPC 2000: poplar and willow culture: meeting the needs of society and the environment; 2000 September 24-28; Vancouver, WA. (Isebrands, J.G and J. Richardson, eds.) Gen. Tech. Rep. NC-215. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 88p.
- Kajba D., Vratarić P.** 2000. Conservation of European black poplar (*Populus nigra* L.) genetic resources in Croatia. 21st Session of the IPC 2000: poplar and willow culture: meeting the needs of society and the environment; 2000 September 24-28; Vancouver, WA. (Isebrands, J.G and J. Richardson, eds.) Gen. Tech. Rep. NC-215. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 87p.
- Lefèvre F., Kajba D., Heinze B., Rotach P., de Vries S.M.G., Turok J.** 2001. Black poplar: a model for gene resource conservation in forest ecosystems. The Forestry Chronicle, Vol. 77(2):239-244.
- Lefèvre F., Kajba D.** 2001. Indicators for monitoring genetic diversity. In: EUFORGEN Technical Bulletin: *In situ* Conservation of *Populus nigra* (Lefèvre F., Barsoum N., Heinze B., Kajba D., Rotach P., de Vries S.M.G. and Turok J., eds.). IPGRI, Rome, Italy:36-46.
- Kajba D., Bogdan S.** 2001. Conservation of genetic resources of the European Black Poplar (*Populus nigra* L.). In: Matić, S. *et al.* (eds.), Znanost u potrajnom gospodarenju hrvatskim šumama, Šumarski fakultet Sveučilišta u Zagrebu & Šumarski institut, Jastrebarsko, Zagreb, pp. 69-76.
- Kajba D., Bogdan S.** 2002. Seventh EUFORGEN *Populus nigra* Network meeting, Osijek, Croatia 25.-27. October 2001. Šum. list 1-2:69-76.
- Kajba D., Bogdan S.** 2002. Biomass production in short rotations of some poplar clones in Croatia. Abstracts from International Poplar Symposium III. On Basic and Applied Aspects of Poplar and Willow Biology. Uppsala, Sweden. August 26-29, 2002. 102 p.
- Kajba D., Domac J., Krpan A.P.B., Zečić Ž., Bogdan S.** 2002. Status and potential of biomass in Croatia. Proceeding from the last meeting of IEA, Bioenergy, Task 17 in the Netherlands and Sweden, 11-16 December 2000, Uppsala, Sweden (L. Christersson and L. Kuiper, eds.). SLU, Uppsala, Sweden, Rapport 70:18-27.
- Kajba D., de Vries S.M.G., Lefèvre F., Heinze B., Rotach P., Turok J.** 2002. EUFORGEN *Populus nigra* Network: towards *in situ* and *ex situ* implementing conservation strategies. In: Genetic diversity in river populations of European Black Poplar – implications for riparian eco-system management, Proceedings of an international symposium held in Szekszárd, Hungary from 16-20 May, 2001 (Barbara C. van Dam and Sándor Bordács, eds.), Budapest:163-167.
- Kajba D., Romanić B.** 2002. Morphological leaf variability of the European black poplar (*Populus nigra* L.) in natural populations in the Drava River Basin in Croatia. In: Genetic diversity in river populations of European Black Poplar – implications for riparian eco-system management, Proceedings of an international symposium held in Szekszárd, Hungary from 16-20 May, 2001 (Barbara C. van Dam and Sándor Bordács, eds.), Budapest:221-227.
- Diminić D., Kajba D., Bezjak J.** 2002. Fungi associated with hypertrophic tissues and cankers on poplars in the clone archive "Podturen". Rad. Šumar.inst. 37 (2): 169-183.
- Kajba D., Bogdan S.** 2003. Experimental Short Rotation Crops in Croatia. IEA Bioenergy Task 30 Short Rotation Crops for Bioenergy, Proceedings of the Conference 1-5 December, 2003, Mount Maunganui, Tauranga, (I.D. Nicholas, ed.), New Zealand: 111-113.
- Trajković J., Šefc B., Despot R., Bogdan S., Kajba D.** 2002. Wood ray percentage of two poplar clones grown on two contrast sites in Republic of Croatia. Abstracts from International Poplar Symposium III. On Basic and Applied Aspects of Poplar and Willow Biology. Uppsala, Sweden. August 26-29, 2002. 234 p.
- Vukelić J., Rauš Đ.** 2001. The lowland forests of Croatia. In: E. Klimo, H. Hager (eds.), The floodplain forests in Europe, EFI Research Report 10, 101-126, Brill, Leiden-Boston-Koeln.

France

Deux sites Internet sur le peuplier ont vu le jour, regroupant de très nombreuses informations utiles aux populteurs: <http://www.bariteau.org> et <http://www.foretpriveefrancaise.com>.

De plus, 70 paires d'amorces de microsatellites disponibles

(http://www.ornl.gov/sci/ipgc/poplar_ssr_primers.xls)

Chez le peuplier, le séquençage systématique et l'annotation de plus de 10 000 EST issues de banques d'ADNc ont été menées dans le cadre du projet national génomique fonctionnelle chez les arbres (AIP INRA Lignome : <http://www.pierroton.inra.fr/Lignome/>) « Peupliers et campagnes françaises : l'expérience bourguignonne » et visait d'une part à analyser la perception du peuplier par les différents acteurs impliqués, directement ou non, dans la gestion des territoires (audit patrimonial), et d'autre part à réaliser un état des lieux des connaissances sur huit thèmes identifiés.

<http://www.afocel.fr/TerritoireReflexionPeuplier.htm>.

- Achard P.** 2000. Polymorphisme de l'ADN chloroplastique chez *Populus nigra* L. révélé par PCR-RFLP structuration à différentes échelles géographiques en France. MST Chimie et Biologie Végétales Lyon I.
- Alba N.** 2000. Standardized list of descriptors for inventories of *Populus nigra* L. stands. In: S. Borelli, S. de Vries, F. Lefèvre & J. Turok (eds) *Populus nigra* Network. Report of the 6th meeting 6-8 February 2000 Isle sur la Sorgue, France. Pp15-25.
- Allegro G., Augustin S.** 2000. Recent advances in poplar resistance to insect pests in Europe (1992-1999). In: Proceedings 21st Session of the IPC 2000 Poplar and Willow Culture "Meeting the needs of Society and the environment", USDA For. Serv. GTR. NC - 215 Portland, Oregon, USA, 24-28 Septembre. p. 4.
- Augustin S., Faivre Rampant P., Delplanque A., Lesage M.C., Villar M., Bastien C.** 2000. Quantitative trait loci linked with resistance in hybrid poplar to *Chrysomela tremulae*. In Proceedings 21st Session of the IPC 2000 Poplar and Willow Culture "Meeting the needs of Society and the environment", USDA For. Serv. GTR. NC - 215 Portland, Oregon, USA, 24-28 Septembre. p.9.
- Augustin S., Génissel A., Bourguet D.** 2002. High frequency of resistance alleles to bt poplars in a French population of *Chrysomela tremulae* : implications for pest resistance management strategies. In Proceedings VII European Congress of Entomology, Thessaloniki, Grèce, 7-13 Octobre. p. 261.
- Azais D.** 2000 Dynamique de la variabilité génétique entre cohortes chez le peuplier noir *Populus nigra* L. (Salicaceae). Maîtrise de Biologie des Organismes et des Ecosystèmes, Montpellier II.
- Badia M.A.** 2000. Stabilité dimensionnelle de panneaux de contreplaqués présentant une hétérogénéité intra- et interpli. Validation de simulations. DEA Sciences du Bois ENGREF-Université de Nancy I, 29pp.
- Badia M.A.** 2003. Modélisation de la distribution du bois de tension dans une grume de Peuplier à partir de l'empilement tridimensionnel des cernes. Thèse de Doctorat de l'ENGREF option Sciences Forestières et du Bois. 12-décembre. 364pp.
- Baltzinger M., Ginisty C.** 2004. Commission Nationale du Peuplier, Réglementation, diversification et perspectives. Forêt-entreprise, 156, 44-46.
- Barsoum N.** 2002. Relative contributions of sexual and asexual regeneration strategies in *Populus nigra* and *Salix alba* during the first years of establishment on a braided gravel bed river. *Evolutionary Ecology* 15, 255-279.
- Behm M., Jacquot J.-P.** 2000. Isolation and characterization of thioredoxin h from poplar xylem. *Plant physiology and biochemistry*, 38, 363-369.

- Benbrahim M., Gavaland A.** 2003. A New Stem Taper Function for Short Rotation poplar. Scan. J. For. Res. 18 : 1-7, 2003.
- Benbrahim M., Gavaland A., Cabanettes A.** 2000. Generalized allometric regression to estimate biomass of *Populus* in short rotation coppice. Scan. J. For. Res. 15, 171-176.
- Benbrahim M., Gavaland A., Gauvin J.** 2000. Growth and yield of mixed polyclonal stands of *Populus* in short rotation coppice. Scan. J. For. Res. 15, 605-610.
- Berthelot A.** 2000. Bouturage direct en populiculture. Fiche Informations-Forêt AFOCEL 1-2000 fasc. n° 602, 6 p.
- Berthelot A.** 2000. Sélection du peuplier : apport expérimental de l'AFOCEL. Mémoire d'Ingénieur DPE option agronomie Enesad / AFOCEL, 100 p.
- Berthelot A.** 2001. Mélange de clones en taillis à courtes rotations de peuplier : influence sur la productivité et l'homogénéité des produits récoltés. Can. J. For. Res. 31 pp 1116-1126.
- Berthelot A.** 2002. Peupliers et campagnes françaises : l'expérience Bourguignonne. Fiche Informations-Forêt AFOCEL 1-2002 fasc. n° 643. 6 p.
- Berthelot A.** 2003. Influence of poplar short-rotation coppice on some soil properties. European Tropical Forest Research Network ETFRN News N° 37 Forest use and soil quality (winter 2002-2003) 11-17.
- Berthelot A., Bastien C., Pinon J., Villar M.** 2003. Constitution d'une collection de géniteurs de *Populus deltoides*. Rapport final de la convention DGFAR/INRA/AFOCEL, 25 p.
- Berthelot A., Breton V., Ginisty C., Monchaux P., Pinon J., Villar M.** 2002. Le Groupement d'Intérêt Scientifique Peuplier : la recherche française unit ses forces. Forêt-Entreprise 143 pp 42-44.
- Berthelot A., Christin D., Augustin S., Soulard C., Daubard J-P., Frochot B., Robbesyn A., Roguier S., Voisin F., Le Net E.** 2001. Peuplier et campagnes françaises : l'expérience Bourguignonne. Convention de recherche et d'expérimentation DERF/AFOCEL rapport final, 262 p.
- Berthelot A., Christin D., Augustin S., Soulard C., Daubard J-P., Frochot B., Robbesyn A., Roguier S., Voisin F., Le Net E.** 2003. Peupliers et Campagnes Françaises : l'expérience Bourguignonne. Diffusion des résultats de l'étude. Recueil de fiches AFOCEL, 36 p.
- Berthelot A., Deleuze-Brezins C., Augustin S., Denux O., Decoq G., Godin J.** 2003. Exploration de la variabilité des peupleraies en Picardie. Deuxième tranche : étude de la diversité. Rapport final de la convention DRAF Picardie / AFOCEL, 34 p.
- Berthelot A., Gastine F., Banet C., Deleuze-Brezins C., Breton V., Baltzinger M., Bourlon V., Menard M., Pinon J., Frey P., Forestier O.** 2003. Sélection et Evaluation de variétés françaises et étrangères de peupliers. Rapport final de la convention DGFAR/Cemagref/INRA/AFOCEL). 79 p.
- Berthelot A., Landeau S., Roguier S.** 2001. Type d'entretien et diversité floristique sous peupleraie. Revue Forestière Française LIII n° spécial 2001 "Gestion de la biodiversité : réalisations concrètes ", pp 334-336.
- Berthelot A., Landeau S., Roguier S.** 2002. Tending method and vegetation diversity under poplar. Abstracts of the 4th International Conference on Forest Vegetation Management (IFVMC 4), Nancy, France, June 2002 (Oral presentation).
- Berthelot A., Michaud D.** 2002. Weed control is essential for intensively managed forest: some examples in France. Abstracts of the 4th International Conference on Forest Vegetation Management (IFVMC 4), Nancy, France, June 2002 (Poster).
- Berthelot A., Paya F.H., Denux O., Augustin S.** 2003. Des carabes sous les peupliers. Foire Forestière Euroforest, Saint Bonnet de Joux, 13-15 Juin 2003.
- Berthelot A., Petit G., Augustin S., Denux O., Decocq G., Saguez R., Godin J.** 2001. Exploration de la variabilité des peupleraies en Picardie. Première tranche : état des lieux. Rapport final de la convention DRAF Picardie / AFOCEL, 78 p.

- Berthelot A., Petit G., Augustin S., Denux O., Decocq G., Saguez R., Godin J.** 2002. Exploration de la variabilité des peupleraies en Picardie, première tranche : Etat des lieux. Convention DRAF Picardie/AFOCEL, rapport final 78 p.
- Berthelot A., Pinon J., Husson C.**, 2002. Screening poplar clones for resistance to foliar rust : a new design for field test. Abstracts of the 3rd International Poplar Symposium (IPS III), Uppsala, Sweden, August 2002 (Poster).
- Berthelot A., Ranger J., Gelhaye D.** 2000. Nutrient uptake and immobilization in a short-rotation coppice stand of hybrid poplars in north-west France. *Forest Ecology and Management* 128 pp 167-179.
- Berthelot A., Villar M., Pinon J., Breton V.** 2001. Création d'un Groupement d'Intérêt Scientifique (GIS) 'Peuplier'. Fiche Informations-Forêt AFOCEL 1-2001 fasc. n° 622, 6 p.
- Boerjan W., Pilate G., Morreel K., Messens E., Baucher M., Van Doorselaere J., Chen C., Meyermans H., Pollet B., Lapierre C., Jouanin L., Leplé J.-C., Ralph J., Marita J., Guiney E., Schulch W., Petit-Conil M., Halpin C.** 2003. Genetic engineering of lignin biosynthesis in poplar and effects on kraft pulping. *Polyphenols 2002: Recent advances in polyphenols research*. El Hadrami I. et Daayf F. Eds. pp : 34-49.
- Borelli S., de Vries S., Lefèvre F., Turok J.** 2000. *Populus nigra* Network. Report of the sixth meeting, 6-8 February 2000, Isle sur la Sorgue, France. International Plant Genetic Resources Institute, Rome, Italie. 55p.
- Bourassa M., Innes L., Marchand L., Frey P., Hamelin R.C.** 2003. First report of *Melampsora larici-populina* in Canada. Annual Meeting of the Canadian Phytopathological Society, Montréal, Canada, 22-25 juin 2003 (poster + résumé).
- Breton V., Chantre G., Pinon J.** 2003. Le cultivar euraméricain 'Koster'. Synthèse des connaissances acquises au sein du GIS Peuplier. *Forêt-Entreprise* n°154. 46-51.
- Brignolas F., Thierry C., Guerrier G., Boudouresque E.** 2000. Compared water deficit response of two *Populus x euramericana* clones 'Luisa Avanzo' and 'Dorskamp'. *Ann. For. Sci.* 57, 1-6.
- Britt C.P., Gavaland A., Kofman P.D., Ledin S., Sinner H.U.** 1997. The agronomy of short rotation coppice - current and recent European research. *Aspects of Applied Biology* 49. Biomass and Energy crops, 33-40.
- Cabané M., Pireaux J.-C., Léger E., Weber E., Dizengremel P., Pollet B., Lapierre C.** 2004. Condensed lignins are synthesized in Poplar leaves exposed to ozone. *Plant physiology*, 134, 586-594.
- Chantre G., Cahalan C.** 2001. Which wood properties should be screened in poplar breeding programmes? A review. International Conference on Wood Breeding Biotechnology and Industrial expectations (June 2001), Bordeaux, France, p 129.
- Constant T., Badia M.A., Mothe F.** 2003. Dimensional stability of Douglas fir and mixed beech-poplar plywood : experimental measurements and simulations. *Wood Science and Technology* (1), 11-28.
- Constant T., Mothe F., Badia M.A., Saint-André L.** 2003. How to relate the standing tree shape to internal wood characteristics: Proposal of an experimental method applied to poplar trees. *Annals of Forest Sciences* 60(4), 371-378.
- Cuchet E., Spinelli R., Roux P.** 2003. Récolte de rémanents pour le bois énergie avec FIBERPAC. Fiche Informations-Forêt AFOCEL 2-2003 fasc. n° 669. 6 p.
- Da Silva Perez D., Chantre G., Themelin A.** 2003. Forest diversity and pulp quality: Some tools for wooden raw material strategies for the pulp and paper industry. 4th Symposium on the Improvement of Forest Resources for Recyclable Forest Products (Nov. 2003), Fukuoka Japan.
- Da Silva Perez D., Medina S., Fauchont T., Lecourt M., Deleuze-Brezins C.** 2003. Kraft cooking behaviour of wood species in mixture. 4th Biennial Johan Gullischen Colloquium (Sept. 2003) Espoo, Finlande.

- Da Silva Perez D., Fauchont T.** 2003. Wood quality for pulp and paper. In: Wood quality and its biological basis, Ed.: J. R. Arnett and G. Jeronimidis. Chap. 7, 157-186.
- De Morogues F.** 2002. Modéliser un programme de cogénération à partir d'une production intégrée de biomasse. Rapport final des conventions ADEME / AFOCEL. 146 p.
- Déjardin A., Lafarguette F., Armougom F., Martin C., Lesage-Descauses M.C., Laurans F., Boizot N., Costa G., Leplé J.C., Pilate G.** 2003. Towards an understanding of tension wood formation. Tree Biotechnology 2003, IUFRO/ Molecular Biology of forest trees, Umea Suède, 7-12 juin (résumé).
- Déjardin A., Lesage-Descauses M.C., Noël N., Leplé J.C., Label P., Pilate G.** 2001. Cellulose synthesis during tension wood formation in poplar. 9th International Cell Wall Meeting, Toulouse, France, 2-7 September (poster).
- Deleuze-Brezins C., Da Silva Perez D., Lecourt M.** 2003. Cuissons en mélanges : une méthodologie pour tirer parti de la diversité des essences. Fiches Informations-Forêt AFOCEL 4-2003, fasc. n° 677, 6 p.
- Delplanque A., Augustin S.** 2001. L'Entomocénose liée aux peupliers. Symbiose 4, 65-70.
- Dowkiw A., Bastien C.** 2004. Characterization of two major genetic factors controlling quantitative resistance to *Melampsora larici-populina* leaf rust in hybrid poplars: strain specificity, field expression, combined effects and relationship with a defeated qualitative resistance gene. Phytopathology (accepté pour publication, sous presse).
- Dowkiw A., Bastien C., Goue-Mourier M.C., Lacan D., Poursat P., Husson C., Pinon J.** 2000. Genotype x strain interaction for quantitative resistance to *Melampsora larici-populina* in one interspecific poplar cross. A quest for broad spectrum quantitative resistance components. Durable Resistance Symposium, Wageningen (The Netherlands), 29 novembre-1er décembre 2000. (poster + résumé).
- Dowkiw A., Husson C., Frey P., Pinon J., Bastien C.** 2003. Partial resistance to *Melampsora larici-populina* leaf rust in hybrid poplars: genetic variability in inoculated excised leaf disk bioassay and relationship with complete resistance. Phytopathology 93 : 421-427.
- Dowkiw A., Jorge V., Faivre-Rampant P., Lesage M.-C., Benoit V., Saintagne C., Mourier M.-C., Lacan D., Poursat P., Bastien C.** 2002. Candidate QTLs for durable resistance to *Melampsora larici-populina* leaf rust identified in hybrid poplars. Poster. Plant, Animal and Microbe Genomes X, 12-16 janvier 2002. San Diego, CA, Etats-Unis.
- Duplessis S., Kohler A., Rouhier N., Frey P., Jacquot J.-P., Martin F.** 2003. Gene expression profiling in poplar leaves upon infection with rust. IUFRO Tree Biotechnology Meeting, Umea, Suède, 7-12 juin 2003 (oral + résumé).
- Duplessis S., Rouhier N., Frey P., Kohler A., Jacquot J.-P., Martin F.** 2002. Analyse du transcriptome du pathosystème *Populus x interamericana* / *Melampsora larici-populina*. Journées Jean Chevaugéon. 4e Rencontre de Mycologie – Phytopathologie. Aussois, 13-17 mars 2002 (oral + résumé).
- Ebrahimzadeh Mousavi S.M.A.** 1998. Migration des molécules volatiles dans un système aliment-emballage bois : modélisation des transferts et mesure des coefficients de diffusion, Thèse de Doctorat Biotechnologies et industries alimentaires. Nancy, INPL, ENSAIA, 1998, 108 p.
- Fang J., Han Y., Augustin S., Zhao J., Wu R.** 2000. Bioassay on *Anoplophora glabripennis* L. larvae with phenolic glycosides of *Populus deltoides*. In Proceedings 21st Session of the IPC 2000 Poplar and Willow Culture 'Meeting the needs of Society and the environment' USDA For. Serv. GTR. NC - 215 Portland, Oregon, USA, 24-28 Septembre.
- Fauchon T., Dahlqvist G., Mraz P., Cleuet J.-C., Chantre G.** 2001. A new TRMP pilot unit to assess cause and effect relationships between wood and fibre properties and mechanical pulp quality. Proceedings of the International Mechanical Pulping Conference June 4-8, 2001. Helsinki Fair Centre, Helsinki, Finland. Mechanical Pulps - Added Value for Paper and Board. Volumes 1, 2, 2B : 133-141.

- Frey P., Feau N., Pinon J.** 2001. Diversité pathotypique et génotypique de trois populations sexuées de *Melampsora larici-populina*, agent de la rouille des peupliers. 5ème Congrès de la Société Française de Phytopathologie, Angers, 26-29 mars 2001 (oral + résumé).
- Frey P., Gatineau M., Miot S., Foulon C., Feau N., Husson C., Schipfer A., Pinon J.** 2000. Pathogenic and genetic diversity within *Melampsora* spp. causing poplar rust in Europe. 21st session of the International Poplar Commission, Portland, Oregon, USA, 24-28 September 2000 (oral + résumé).
- Frey P., Gérard P., Feau N., Husson C., Pinon J.** 2003. Les *Melampsora* des peupliers en Europe : variabilité et génétique des populations. Séminaire du Centre de Recherches en Biologie Forestière, Université Laval, Québec, Canada, 3 octobre 2003 (oral).
- Frey P., Gérard P., Feau N., Husson C., Pinon J.** 2003. *Melampsora* on poplar in Europe: variability and population biology. International Symposium on *Melampsora* on Salicaceae, Belfast. United Kingdom, 10-12 septembre 2003 (oral).
- Frey P., Gérard P., Feau N., Husson C., Schipfer A., Lefèvre F., Pinon J.** 2002. Influence des peupleraies sauvages et cultivées et de la présence de mélèzes sur la structuration génétique des populations de *Melampsora larici-populina*, agent de la rouille foliaire. Journées Jean Chevaugeon. 4ème Rencontre de Mycologie-Phytopathologie, Aussois, 13-17 mars 2002 (poster + résumé).
- Frey P., Gérard P., Feau N., Husson C., Schipfer A., Lefèvre F., Pinon J.** 2003. Influence des peupleraies sauvages et cultivées et de la présence de mélèzes sur la structuration génétique des populations de *Melampsora larici-populina*, agent de la rouille foliaire. Journées du Réseau de Mycologie de la Société Française de Microbiologie. Nancy, 15-17 janvier 2003 (oral + résumé).
- Frey P., Pinon J.** 2000. L'hybridation interspécifique chez les champignons phytopathogènes : une menace grandissante pour les plantes ? Journées Jean Chevaugeon. 3ème Rencontre de Mycologie-Phytopathologie, Aussois, 5-9 mars 2000 (oral + résumé).
- Frey P., Pinon J.** 2001. L'hybridation interspécifique chez les champignons phytopathogènes : une menace grandissante pour les plantes ? 6ème Réunion du Groupe Français de Pathologie Forestière. St Malo, 26-28 juin 2001 (oral + résumé).
- Gastine F., Berthelot A., Bouvet A., Servant H., Roy B.** 2003. La protection phytosanitaire du cultivar 'Beaupré' est-elle efficace ? Fiche Informations-Forêt AFOCEL 2-2003, fasc. N° 667, 6 p.
- Gavaland A.** 1996. Programme de recherche ADEME-INRA sur les Taillis à Courte Rotation de peuplier - Convention 4.01.0032 - Rapport d'avancement des travaux 1995, 16 p.+ annexes.
- Gavaland A.** 1997. Programme de recherche ADEME-INRA sur les Taillis à Courte Rotation de peuplier. Colloque AGRICE, Paris, 22-23 avril 1997, 2 p. (poster).
- Gavaland A.** 1997. Programme de recherche ADEME-INRA sur les Taillis à Courte Rotation de peuplier - Convention 4.01.0032 - Rapport d'avancement des travaux 1996, 39 p.
- Gavaland A.** 1997. Programme de recherche ADEME-INRA sur les Taillis à Courte Rotation de peuplier - Convention 4.01.0032 - Rapport d'avancement des travaux 1997, 33 p.
- Gavaland A.** 1999. Programme de recherche ADEME-INRA sur les Taillis à Courte Rotation de peuplier - Convention 4.01.0032 - Rapport final, 45 p.
- Gavaland A., Loiseau C. P.** 1996. Bilan des essais INRA en matière de Taillis à Courte Rotation de peuplier, rapport final contrat ADEME 9501082, 51 p. + annexes.
- Genissel A.** 2000. Course aux armements entre plantes transgéniques et insectes : Estimation des risques d'évolution de la résistance des populations de *Chrysomela tremulae* aux toxines de *Bacillus thuringiensis* produites par des peupliers transgéniques. Thèse d'Université Sciences de la vie. Université de Tours. 111p.
- Genissel A., Augustin S., Andow D. A., Bourguet D.** 2002. Fréquence des gènes d'adaptation dans des populations d'insectes phytophages. In Proc. XXIIème Réunion annuelle du Groupe de Biologie et Génétique des populations, Montpellier, Août.

- Génissel A., Augustin S., Courtin C., Pilate G., Lorme P., Bourguet D.** 2003. Initial frequency of alleles conferring resistance to Bt poplar in a field population of *Chrysomela tremulae*. Proceedings of the Royal Society of London B, 270, 791-797.
- Génissel A., Augustin S., Courtin C., Pilate G., Lorme P., Bourguet D.** 2003. High level of resistance to Bt plants in the absence of man-made changes. Proc. R. Soc. Lond. B, 270, 791-797.
- Génissel A., Leplé J.-C., Millet N., Augustin S., Jouanin L., Pilate G.** 2003. High tolerance against *Chrysomela tremulae* of transgenic poplar plants expressing a synthetic cry3Aa gene from *Bacillus thuringiensis* ssp. Mol Breeding 11 : 103-110.
- Gérard P., Husson C., Pinon J., Frey P.** 2003. Influence des peupleraies sauvages et cultivées et de la présence de mélèzes sur la structuration génétique des populations de *Melampsora larici-populina*, agent de la rouille foliaire. 25ème réunion du Groupe de Génétique des Populations, Petit Pois Dérivé, Toulouse, 25-28 août 2003 (poster + résumé).
- Ginoux A.** 2003. Modulation de la photorespiration du peuplier en réponse à une augmentation de la teneur en CO₂ atmosphérique ou de la disponibilité en azote. DEA Biologie Forestière, Université Henri Poincaré, Nancy.
- Guerrier G., Brignolas F., Thierry C., Courtois M., Kahlem G.** 2000. Organic solutes protect drought tolerant poplar against reactive oxygen species. J. Plant Physiol., 156, 93-99.
- Guilloy-Froget H.** 2002. Evaluation des conditions favorables à l'établissement de *Populus nigra* et *Salix alba* en milieu riverain. Diplôme de Doctorat. Septembre 2002. Université de Toulouse, 140 pp.
- Guilloy-Froget H., Muller E., Barsoum N., Hughes F.M.R.** 2002. Dispersal germination and survival of *Populus nigra* L. (Salicaceae) in changing hydrological conditions. Wetlands, 22, 478-488
- Gumez J.-L., Lachaume R., Pinon J.** 2000. Historique de l'émergence de la race E4 de *Melampsora larici-populina*. Conditions de son développement en France dans les régions Nord-Pas-de-Calais et Picardie - Enseignements à en tirer. Bulletin du Centre Populicole du Hainaut (Belgique), n°1, 3-76.
- Hawkins S., Leplé J.C., Cornu D., Jouanin L., Pilate G.** 2003. Stability of transgene expression in poplar: a model forest tree species. Ann. For. Sci. (sous presse).
- Heinze B., Lefèvre F.** 2001. *In situ* restoration genetics of riparian populations of *P. nigra*. In: Lefèvre F., Barsoum N., Heinze B., Kajba D., Rotach P., de Vries S. and Turok J. (eds) EUFORGEN Technical Bulletin: *in situ* conservation of *Populus nigra*. International Plant Genetic Resources Institute, Rome, Italy, 25-35.
- Herschbach C., van der Zalm E., Schneider A., Jouanin L., De Kok L., Rennenberg H.** 2000. Regulation of sulfur nutrition in wildtype and transgenic poplar overexpressing - glutamylcysteine synthetase in the cytosol as affected by atmospheric H₂S. Plant Physiol. 124 : 461-473.
- Hu J., Han Y., Yin W., Augustin S., Villar M.** 2002. On the resistance of progenies of *Populus deltoides* to a Cerambycidae borer: *Apriona germarii* hope under artificial inoculation and natural infestation. Scientia Silvae Sinicae, 38, 164-167.
- Hughes F.M.R., Barsoum N., Richards K.S., Winfield M., Hayes A.** 2000. The response of male and female black poplar (*Populus nigra* L. subspecies *betuifolia* (Pursh) W. Wettst.) cuttings to different water table depths and sediment types: implications for flow management and river corridor biodiversity. Hydrol. Process 14, 3075-3098.
- Husson C.** 2001. Mise au point d'outils de diagnostic moléculaire des espèces de *Melampsora*, agent de la rouille foliaire des peupliers. Rapport de stage de DEA de biologie forestière. 21 p.

- Husson C., Frey P., Boussouel N., Loevenbruck P., Pinon J.** 2003. Deux méthodes de diagnostic moléculaire des espèces de *Melampsora*, agents de la rouille foliaire des peupliers. Journées du Réseau de Mycologie de la Société Française de Microbiologie. Nancy, 15-17 janvier 2003 (poster + résumé).
- Husson C., Frey P., Pinon J.** 2002. Deux méthodes de diagnostic moléculaire des espèces de *Melampsora*, agents de la rouille foliaire des peupliers. Journées Jean Chevaugéon. 4ème Rencontre de Phytopathologie-Mycologie, Aussois, 13-17 mars 2002 (oral + résumé).
- Husson C., Pinon J.** 2000. Utilisation de nouveaux critères d'évaluation de la sensibilité des clones de peupliers à la rouille (*Melampsora larici-populina*) : sporulation et mouillabilité. 5ème réunion du Groupe Français de Pathologie Forestière, Super-Lioran, 18-21 septembre 2000 (oral + résumé).
- Husson C., Pinon J., Frey P., Schipfer A.** 2002. L'humectation foliaire des peupliers et son rôle dans la contamination par la rouille. Séminaire de restitution de l'AIP Ecopath, INRA. Versailles, 3 avril 2002 (oral + résumé).
- Imbert E., Lefèvre F.** 2000. Genetic diversity of *Populus nigra* (Salicaceae) and diversity of habitats. Internat. Conf. Plant Population Viability Analysis. 13th annual meeting of the Working Group Population Biology of Plants, Freising, Germany, 1-3 June 2000 (communication orale).
- Imbert E., Lefèvre F.**, 2000. Estimating gene flow for poplar along an entire riversystem. In International Symposium on Modelling and experimental research on genetic processes in tropical and temperate forests, 18-22 Septembre, Kourou, France. (communication orale).
- Imbert E., Lefèvre F.** 2003. Dispersal and gene flow of *Populus nigra* (Salicaceae) along a dynamic river-system. *Journal of Ecology* 91, 447-456.
- Innes L., Marchand L., Frey P., Bourassa M., Hamelin R.C.** 2004. First report of *Melampsora larici-populina* on *Populus spp.* in Eastern North America. *Plant Disease*. 88: 85.
- Jouanin L.**, 2000 Arbres transgéniques : Quels risques ? *Biofutur* 199 : 16-18.
- Jouanin L., Goujon T.** 2004. Tuning lignin metabolism through genetic engineering in trees: state-of-the-art and perspectives. In *Molecular Genetics and Breeding of Forest Trees*. Kumar S. and Fludung T. Editors. Sous presse.
- Jouanin L., Goujon T., de Nadaï V., Martin M.-T., Mila I., Vallet C., Pollet B., Yoshinaga A., Chabbert B., Petit-Conil M., Lapiere C.** 2000. Lignification in transgenic poplars with extremely reduced caffeic acid O-methyltransferase. *Plant Physiol* 123 : 1363-1374.
- Jouanin L., Goujon T., Sibout R., Pollet B., Mila I., Maba B., Ralph J., Petit-Conil M., Lapiere C.**, 2001. Tuning lignin structure through silencing restoring or increasing caffeic acid O-methyltransferase activity: evaluation in poplar and *Arabidopsis*. *Proceedings ISWPC Meeting, Nice*. pp: 25-28.
- Jouanin L., Goujon T., Sibout R., Pollet B., Mila I., Leplé J.-C., Pilate G., Petit-Conil M., Ralph J., Lapiere C.** 2004. Comparison of the consequences on lignin content and structure of COMT and CAD downregulation in poplar and *Arabidopsis thaliana*. In *Plantation Forest Biotechnology for the 21st century*. Walter C. and Carson M., Editors. Sous presse.
- Kajba D., de Vries S.M.G., Lefèvre F., Heinze B., Rotach P., Turok J.**, 2002. EUFORGEN *Populus nigra* Network: towards *in situ* and *ex situ* implementing conservation strategies. In: B.C. van Dam and S. Bordacs (eds). *Genetic diversity in river populations of European black poplar*, Proc. Intern. Symp., Szekszard, Hungary, 16-20 May 2001, 163-167. (communication orale)
- Kim H., Ralph J., Lu F., Pilate G., Leple J.C., Pollet B., Lapiere C.**, 2002. Identification of the structure and origin of thioacidolysis marker compounds for cinnamyl alcohol dehydrogenase deficiency in angiosperms. *The Journal of Biological Chemistry* 277, N 49, 47412-47419.

- Kohler A., Duplessis S., Rouhier N., Frey P., Jacquot J.-P., Martin F.**, 2002. Gene expression profiling in poplar leaves upon infection with rust. 10th New Phytologist Symposium: functional genomics of plant-microbe interactions, Nancy, 23-25 octobre 2002 (poster + résumé).
- Kohler A., Duplessis S., Rouhier N., Frey P., Jacquot J.-P., Martin F.**, 2003. Gene expression profiling in poplar leaves upon infection with rust. Journées du Réseau de Mycologie de la Société Française de Microbiologie. Nancy, 15-17 janvier 2003 (poster + résumé).
- Kohler A., Duplessis S., Rouhier N., Frey P., Jacquot J.-P., Martin F.**, 2003. Gene expression profiling in poplar leaves upon infection with rust. Séminaire du Groupe d'Etude de l'Arbre : réactions de l'arbre aux symbiotes, parasites et ravageurs. Nancy, 22-23 mai 2003 (poster + résumé).
- Koprivova A., Kopriva S., Jäger D., Will B., Jouanin L., Rennenberg H.**, 2002. Evaluation of transgenic poplars over-expressing enzymes of glutathione synthesis for phytoremediation of Cadmium. *Plant Biol.* 4 : 664-670.
- Lafarguette F., Pilate G., Lepié J.C.**, 2001. Identification and characterization of differentially expressed genes during tension wood formation in poplar. 9th International Cell Wall Meeting, Toulouse, France, 2-7 September (summary).
- Lambs L., Berthelot M.** 2002. Monitoring of water from the underground to the tree: first results with a new sap extractor on a riparian woodland. *Plant and Soil* 241, 197-207.
- Lambs L., Muller E.** 2002. Sap flow and water transfer in the Garonne River riparian woodland, France : first results on poplar and willow. *Ann. Sci. For.* 59, 301-315.
- Lapierre C., Pilate G., Pollet B., Mila I., Lepié J.-C., Jouanin L., Kim H., Ralph J.** 2004. Signatures of cinnamyl alcohol dehydrogenases deficiency in poplar lignins. *Phytochemistry* 65 : 313-32.
- Le Goff K., Chantre G.** 2000. Analyse de la qualité du bois du clone de peuplier 'Koster'. Rapport d'étude pour le CEMAGREF de Nogent-sur-Vernisson. Laboratoire Bois-Process AFOCEL, 22 p.
- Le Net E.** 2002. Étude économique d'un programme de cogénération à partir d'une production intégrée de biomasse. Fiche Informations-Forêt AFOCEL 4-2002, fasc. n° 657, 6 p.
- Lecourt M., Deleuze-Brezins C., Da Silva Perez D.** 2003. Effect of wood species mixtures on Kraft pulping. 1st EFPG Days (April 2003), Grenoble, France.
- Lefèvre F.** 2000. Conservation *in situ* des ressources génétiques forestières: réseaux de conservation et espaces protégés. *Agricultures*, 9, 211-222.
- Lefèvre F.** 2001. Le peuplier noir: une ressource génétique à l'interface entre habitats naturels d'intérêt communautaire et sylviculture intensive. In: Le Perchec S., Guy P., Fraval A. (dir.), *Agriculture et biodiversité des plantes. Dossiers de l'Environnement de l'INRA N°21*, Paris, 125-132.
- Lefèvre F., Achard P., Azais D., Smulders M.J.M., van der Schoot J., Bovenschen J., Ivens B., Storme V., Fluch S., Krystufek V., Castiglione S.** 2002. Distribution of *Populus nigra* genetic diversity within France and its consequences for *ex situ* conservation strategy. In: B.C. van Dam and S. Bordacs (eds). *Genetic diversity in river populations of European black poplar*, Proc. Intern. Symp., Szekszard, Hungary, 16-20 May 2001, 85-91. (communication orale).
- Lefèvre F., Barsoum N., Heinze B., Kajba D., Rotach P., de Vries S.M.G., Turok J.** (eds) 2001. EUFORGEN Technical Bulletin: *in situ* conservation of *Populus nigra*. International Plant Genetic Resources Institute, Rome, Italy, 58p.
- Lefèvre F., Bordács S., Cottrell J., Gebhardt K., Smulders M.J.M., Vanden Broeck A., Vornam B., van Dam B.C.**, 2002. Recommendations for riparian ecosystem management based on the general frame defined in EUFORGEN and results from EUROPOP. In: B.C. van Dam and S. Bordacs (eds). *Genetic diversity in river populations of European black poplar*, Proc. Intern. Symp., Szekszard, Hungary, 16-20 May 2001, 157-161. (communication orale).

- Lefèvre F., de Vries S.M.G.** 2000. Progress potential and perspectives of the EUFORGEN Networks from the chairperson's point of view. *Populus nigra* network. In: Turok J., Geburek (eds). International collaboration on forest genetic resources: the role of Europe. Proceedings of the 2nd EUFORGEN Steering Committee meeting. Vienna, 26-29 Novembre 1998, IPGRI, Rome, Italie 93-96.
- Lefèvre F., Kajba D.** 2001. Indicators for monitoring the evolution of *Populus nigra* genetic diversity *in situ*. In: Lefèvre F., Barsoum N., Heinze B., Kajba D., Rotach P., de Vries S. and Turok J. (eds) EUFORGEN Technical Bulletin: *in situ* conservation of *Populus nigra*. International Plant Genetic Resources Institute, Rome, Italy, 36-46.
- Lefèvre F., Kajba D., Heinze B., Rotach P., de Vries S.M.G., Turok J.** 2001. Black poplar: a model for gene resource conservation in forest ecosystems. *Forestry Chronicle*, 77(2), 239-244.
- Marita J.M., Ralph J., Lapierre C., Jouanin L., Boerjan W.** 2001. NMR characterization of lignins from transgenic poplars with suppressed caffeic acid O-methyltransferase activity. *J. Chem Soc Perkin Trans 1*: 2939-2945.
- Marron N., Delay D., Petit J.M., Dreyer E., Kahlem G., Delmotte F., Brignolas F.** 2002. Physiological traits of two *Populus x euramericana* clones 'Luisa_Avanzo' and 'Dorskamp' during a water stress and re-watering cycle. *Tree Physiology*. 22: 849-858.
- Marron N., Dreyer E., Boudouresque E., Delay D., Petit J.M., Delmotte F., Brignolas F.** 2003. Impact of several successive drought and re-watering cycles on growth and specific leaf area of two *Populus x canadensis* (Moench) clones, 'Dorskamp' and 'Luisa Avanzo'. *Tree Physiology*. 23: 1225-1235.
- Marron N., Villar M., Dreyer E., Delay D., Boudouresque E., Petit J.M., Delmotte F.M., Guehl J.M., Brignolas F.** 2003. Leaf traits correlated with productivity and carbon isotope discrimination in 31 *Populus x canadensis* (Moench) clones. *New Phytologist*. Soumis.
- Maugard F.** 2002. Le puceron lanigère du peuplier s'installe dans le Sud-Ouest de la France. Les cahiers du DSF, 1-2002, La santé des Forêts [en France] en 2000 et 2001, Ministère de l'agriculture, de l'alimentation, de la pêche et des affaires rurales (DERF), Paris, pp 38-40.
- Maugard F., Renaud J.P., De Villebonne D., Pinon J.** 2000. Principaux résultats de l'enquête nationale sur la rouille des peupliers à *Melampsora larici-populina* Kleb. Les cahiers du DSF, 1-2000, La santé des Forêts [en France] en 1999, Ministère de l'agriculture, de l'alimentation, de la pêche et des affaires rurales (DERF), Paris, pp 40-45.
- Maugard F., Renaud J.-P., de Villebonne D., Pinon J.** 2000. Principaux résultats de l'enquête nationale sur la rouille des peupliers à *Melampsora larici-populina*. Cahiers du Département Santé des Forêts, Bilan 1999, 40-45.
- Medina S.**, 2001. Étudier le comportement à la cuisson kraft d'espèces feuillues françaises en mélange. Rapport interne AFOCEL, 36 p.
- Medina S.**, 2000. Analyser en 18 mois les propriétés technologiques, en particulier l'aptitude à la mise en pâte APP, de 10 clones de peuplier candidats au développement en TCR. Rapport interne AFOCEL, 31 p.
- Medina S., Deleuze-Brezins C.** 2001. Characterization and competitiveness of the French wood supply for the kraft pulp manufacturers: mixed hardwood kraft pulp: modeling and optimizing. 4th meeting COST E10, Wood properties for industrial uses (march 2001), Bordeaux, France.
- Meilan R., Han K.-H., Ma C., DiFazio S.P., Eaton J.A., Hoiem E.A., Stanton B.J., Crockett R.P., Taylor M.L., James R.R., Skinner J.S., Jouanin L., Pilate G., Strauss S.H.** 2002. The CP4 transgene provides high levels of tolerance to Roundup herbicide in field-grown hybrid poplars. *J Can Forest Res* 32 : 967-976.
- Miot S., Frey P., Pinon J.** 2000. Mélange de clones de peuplier : effets sur l'infection par *Melampsora larici-populina* et sur la croissance des plants. Journées Jean Chevaugéon. 3ème Rencontre de Mycologie-Phytopathologie. 5-9 mars 2000 (poster + résumé).

- Miot S., Frey P., Pinon J.** 2000. Variabilité du pouvoir pathogène intra et inter-races de *Melampsora larici-populina*, agent de la rouille des peupliers. Journées Jean Chevaugeon. 3ème Rencontre de Mycologie-Phytopathologie, Aussois, 5-9 mars 2000 (oral + résumé).
- Muller L., Guilloy-Froget H., Barsoum N., Brocheton L.** 2002. *Populus nigra* L. en vallée de Garonne : legs du passé et contraintes du présent. C.R. Biologies 325, 1129-1141.
- Newcombe G., Frey P.** 2002. Evolution of interspecific *Melampsora* hybrids exhibiting new host specificities. 7th International Mycological Congress, Oslo, Norvège, 11-17 août 2002 (oral + résumé).
- Noël N., Leplé J.C., Pilate G.** 2002. Optimization of *in vitro* micropropagation and regeneration for *Populus x interamericana* and *Populus x euramericana* hybrids (*P. deltoides*, *P. trichocarpa*, and *P. nigra*). Plant Cell Rep., 20, 1150-1155.
- Olié V.** 2001. Contribution à l'analyse de la réponse écophysiological et génomique du peuplier *Populus x interamericana* à une sécheresse édaphique. MSc Biologie Forestière, Nancy I, Nancy, pp.: 21.
- Paillassa E.** 2000. Questions - réponses sur les rouilles du peuplier. Journée nationale IDF du 10 mai 2000. Forêt-entreprise, 136, 40-43.
- Paillassa E.** 2000. Où trouver les cultivars de peuplier pour les plantations 2000-2001 ? Forêt-entreprise, 135, 60-63.
- Paillassa E.** 2000. Attendre ou exploiter ? Quelle décision pour des peupleraies partiellement dévastées par l'ouragan ? Forêt-entreprise, 134, 47-53.
- Paillassa E.** 2000. Le peuplier dans la tempête : bilan et recommandations. Forêt-entreprise, 131, 18-23
- Paillassa E.** 2001. Le peuplier et les enjeux environnementaux (1ère partie). Forêt-entreprise, 142, 61-63.
- Paillassa E.** 2001. La stabilité des peupleraies : enseignements tirés du réseau peuplier. Forêt-entreprise, 139, 32-37.
- Paillassa E.** 2001. Où trouver les cultivars de peuplier pour les plantations 2001-2002 ? Forêt-entreprise, 141, 5-9.
- Paillassa E.** 2002. Le peuplier et les enjeux environnementaux : Peuplier biodiversité et paysage. Forêt-entreprise, 144, 49-53.
- Paillassa E.** 2002. Le peuplier et les enjeux environnementaux : le peuplier et l'eau et les cours d'eau. Forêt-entreprise, 143, 37-41.
- Paillassa E.** 2002. Où trouver les cultivars de peuplier pour les plantations 2002-2003 ? Forêt-entreprise, 147, 43-47.
- Paillassa E.** 2002. Le point sur les cultivars de peuplier (VI) : fiches techniques 'Trichobel' et 'Koster'. Forêt-entreprise, 146, 15-20.
- Paillassa E.** 2003 : Où trouver les cultivars de peuplier pour les plantations 2003-2004 ? Forêt-entreprise, 153, 49-53.
- Paillassa E., Servant H.** 2002. Le peuplier en Italie : des pôles d'excellence mais.... Forêt-entreprise, 145, 53-57
- Pilate G., Guiney E., Holt K., Petit-Conil M., Lapierre C., Leplé J.C., Pollet B., Mila I., Webster E.A., Marstorp H.G., Hopkins D.W., Jouanin L., Boerjan W., Schuch W., Cornu D., Halpin C.** 2002. Field and pulping performances of transgenic trees with altered lignification. Nat. Biotech., 20, 607-612.
- Pilate G., Guiney E., Petit-Conil M., Lapierre C., Halpin C., Pollet B., Boerjan W., Schuch W., Jouanin L., Leplé J.C.** 2001. Field and pulping performances of transgenic trees with altered lignification. Tree Biotechnology in the New Millenium. IUFRO/ Molecular Biology of Forest Trees, Columbia River Gorge, USA, 22-27 Juillet, (résumé).
- Pinon J.** 2000. Pathological problems on Poplar in Europe and Diseases of poplar in South America. Conférences auprès de la Commission nationale chilienne du Peuplier, Santiago, 10 avril 2000 et Université de Talca (Chili), 12 avril 2000 (oral + résumés).

- Pinon J.** 2003. Evaluation et prévision du comportement des clones de Peuplier envers les rouilles. 8ème réunion du Groupe Français de Pathologie Forestière Chaussin, 29 septembre 2003 (oral + résumé).
- Pinon J., Frey P., Miot S., Villar M.** 2000. Poplar and rust (*Melampsora larici-populina*): the challenge of durable resistance. International Symposium on Durable Resistance: Key to Sustainable Agriculture. Ede-Wageningen, The Netherlands, 28 novembre-1er décembre 2000 (poster + résumé).
- Pinon J., Frey P., Villar M.** 2001. La populiculture à la recherche de la résistance durable aux maladies. La Forêt Privée 258, 25-32.
- Pont B., Pissavin S., Lefèvre F.** 2000. Stratégie de conservation des ressources génétiques de *Populus nigra*, inventaire dans les réserves naturelles In Proc. 6ème Forum des Gestionnaires: La gestion des arbres dans les espaces naturels, biodiversité et fonctionnalité, 24 mars 2000, Paris, 11-18. (communication orale).
- Pont B., Pissavin S., Lefèvre F.** 2001. Inventaire du peuplier noir (*Populus nigra* L.) dans les réserves naturelles et stratégies de conservation. Revue Forestière Française, Rev. For. Fr. 53. Numéro spécial. 331-333.
- Ralph J., Lapierre C., Fachuang L., Marita J., Boerjan W., Pilate G., Jouanin L.** 2001. Benzodioxanes from incorporation of 5-hydroxyconiferyl alcohol into lignins of O-methyltransferase deficient poplars. J Agric Food Chem 49: 86-91.
- Ralph J., Lapierre C., Marita J., Kim H., Fachuang L., Hatfield R., Ralph S., Chapple C., Franke R., Hemm M., Mackay J., Yahiaoui N., Boudet A., Pean M., Pilate G., Boerjan W., Jouanin L.** 2001. Elucidation of new structures in lignins of CAD- and COMT-deficient plants by NMR. Phytochem 57: 993-1003.
- Renaud J.P., Maugard F., de Villebonne D., Frey P., Pinon J.** 2001. La rouille des peupliers (*Melampsora larici-populina* Kleb.) en France. Résultats de l'enquête nationale de 1999 et de 2000. Rapport interne au DSF, 10 p.
- Renaud J.P., Maugard F., de Villebonne D., Frey P., Pinon J.** 2001. La rouille des peupliers (*Melampsora larici-populina* Kleb.) en France. Résultats de l'enquête nationale de 1999 et de 2000. 6ème Réunion du Groupe Français de Pathologie Forestière, St Malo, 26-28 juin 2001 (oral + résumé).
- Riou Nivert Ph., Paillassa E. et al.** 2000 : Reconstitution des forêts après les tempêtes : l'avis des praticiens. Forêt-entreprise, 135, 5- 11.
- Roda J.-M.** 2002. Form-function for the 'I-214' poplar merchantable stem (*Populus x euramericana* (Dode) Guinier cv 'I-214'). Ann. For. Sci. 58(1) pp 77-87.
- Roda J.-M., Berthelot A.** 2002. Cub&Pop, une estimation des peupliers simple et fiable. Forêt-Entreprise 143 pp 63-64.
- Sibout R., Baucher M., Gatineau M., van Doorselaere J., Mila I., Pollet B., Maba B., Pilate G., Lapierre C., Boerjan W., Jouanin L.** 2002. Expression of a poplar cDNA encoding a ferulate-5-hydroxylase increases S lignin deposition in *Arabidopsis thaliana*. Plant Physiol. Biochem, 40, 1087-1096.
- Storme V., Vandebroeck A., Ivens B. et al.** 2003. *Ex situ* conservation of Black Poplar in Europe: genetic diversity in nine gene bank collections and their value for nature development. Theor. Appl. Genet. (In press).
- Strohm M., Eiblmeier M., Langebartels C., Jouanin L., Polle A., Sandermann H., Rennenberg H.** 2002. Response of antioxidative systems to acute ozone stress in transgenic poplars (*Populus tremula x P alba*) over-expressing glutathione synthetase or glutathione reductase. Trees 16: 262-273.
- Teissier du Cros E., Bilger I., Lefèvre F.** 2001. Réalisations et programmes en cours en matière de conservation des ressources génétiques forestières en France et en Europe. Rev. For. Fr. 53. Numéro spécial. 117-124.

- Themelin A., Da Silva Perez D., Alazard P., Berthelot A.** 2003. Genetic determinism of pulp and paper properties: Examples of maritime pine and poplar programs. 1st EFPG Days (April 2003), Grenoble, France.
- Thivolle-Cazat A.** 2002. Disponibilité en bois de peuplier en France de 2002 à 2020. Fiche Informations-Forêt AFOCEL 1-2003, fasc. n° 662, 6 p.
- Turok J., Lefèvre F., de Vries S., Heinze B., Volosyanshuk R.** 2000. *Populus nigra* Network. Report of the fifth meeting, 5-9 May 1999, Kyev, Ukraine. IPGRI, Rome, Italy, 88p.
- Villar M., Bastien C., Faivre Rampant P., Pinon J.** 2000. The challenge of durable resistance to pests and diseases in forest trees: the biologist point of view. 21st session of the International Poplar Commission, Portland, Oregon, USA, 24-28 septembre 2000 (oral + résumé).
- Villar M., Van De Sype H., Berthelot A., Breton V., Ginisty C., Monchaux P., Pinon J.** 2000. Presentation of the new poplar selection program by the French scientific consortium AFOCEL / CEMAGREF / INRA. 21st session of the International Poplar Commission, Portland, Oregon, USA, 24-28 septembre 2000 (oral + résumé).
- Will B., Jouanin L., Rennenberg H.** 2001. Protection from paraquat-mediated photo-oxylatise stress by glutathione in poplar (*Populus tremula* x *P. alba*) plants. *Plant Biol* 3: 272-278.

Germany

- Dam B.C. van, Bordács S. (Eds.).** 2002. Proceedings of an Int. Symposium “Genetic diversity in river populations of European Black Poplar” held 16 – 20 May 2001 in Szekszárd, Hungary; edited and printed by C. Nyomda Ltd. Budapest, Hungary, pp 229.
- Deutsch F., Fladung M., Kumlehn J.** 2003. Induction of haploid through immature pollen culture. In: Proc. of the Intern. Congress “Sustainable forestry, wood products and biotechnology” (Biofor 02), Vitoria-Gasteiz, 11-14 November 2002.
- Dimitri L., Halupa L.** 2001. *Populus alba* In: Enzyklopädie der Holzgewächse – Teil III-2; 24. Erg.-Lfg. 6/01; Ecomed Verlag
- Federal Ministry of Food, Agriculture and Forestry.** 2000. Report on Activities Related to Poplar and Willow Cultivation and Utilization in the Federal Republic of Germany, Period 1996-1999. Federal Ministry of Food, Agriculture and Forestry (BML). Bonn 16 p.
- Federal Ministry of Food, Agriculture and Forestry.** 2000. Report on Activities related to poplar, aspen and willow cultivation and utilization in the Federal Republic of Germany, period 1996-1999. Federal Ministry of Food, Agriculture and Forestry. Bonn 15 p.
- Fladung M. (Ed.).** 2003. Holzbiologische, -chemische, -technologische und phytopathologische Untersuchungen an *rolC*-transgenen Hybridaspens (*P. tremula* L. x *P. tremuloides* Michx.) aus einem Freisetzungsversuch. Mitteilungen der Bundesforschungsanstalt für Forst- und Holzwirtschaft, Hamburg, No. 214, 132 pages.
- Fladung M.** 2003. Holzbiologische, -chemische, -technologische und phytopathologische Untersuchungen an *rolC*-transgenen Hybridaspens (*P. tremula* L. x *P. tremuloides* Michx.) aus einem Freisetzungsversuch. Mitteilungen der Bundesforschungsanstalt für Forst- und Holzwirtschaft, Hamburg, No. 214, 132 pages.
- Fladung M.** 2000. Transgenic trees for a better world? In: Proc. of the Intern. Congress “Application of Biotechnology to Forest Genetics” (Biofor-99), 22-25 September 1999, Eds. S. Espinel; E. Ritter, Vitoria-Gasteiz, Spain, 2000, pages 339-345.

- Fladung M.** (2001) Hilft die Gentechnik der Forstpflanzenzüchtung? In: Nachhaltige Nutzung forstgenetischer Ressourcen. Tagungsbericht zur 24. Internationalen Tagung der Arbeitsgemeinschaft für Forstgenetik und Forstpflanzenzüchtung in Pirna vom 14. bis 16. März 2000. Red. H. Wolf, ed. Sächsische Landesanstalt für Forsten, Pirna, OT Graupa, pages 98-101.
- Fladung M.** 2002. Kann die Gentechnik in der Forstwirtschaft Anwendung finden? Österreichische Forstzeitung 113, 16-18.
- Fladung M.** 2003. Towards the safe use of transgenic trees. In: Proc. of the Intern. Congress "Sustainable forestry, wood products and biotechnology" (Biofor 02), Vitoria-Gasteiz, 11-14 November 2002.
- Fladung M., Kumar S.** 2002. Gene stability in transgenic aspen-*Populus*.III. T-DNA repeats influence transgene expression differentially among different transgenic lines. Plant Biology 4, 329-338.
- Fladung M., Kumar S.** 2003. Isolation of tree-specific genes and promoters by a transposon tagging approach" In: Proc. of the Intern. Congress "Sustainable forestry, wood products and biotechnology" (Biofor 02), Vitoria-Gasteiz, 11-14 November 2002.
- Fladung M., Nowitzki O., Ziegenhagen B., Kumar S.** 2003. Vegetative and generative dispersal capacity of field released transgenic aspen trees. Trees 17, 412-416.
- Fladung M.** 2001 Freisetzung gentechnisch veränderter Bäume in Schleswig-Holstein. In: Biotechnologie. Von Kistowski, K.; Schmidt, A.; Oesser, M. (Eds.), Schmidt Römhild, Lübeck, pages 24-26.
- Fladung M., Gieffers W., Muhs H.-J.** 2000. Untersuchungen zum Hormon- und Kohlenhydratmetabolismus in *rolC*-transgenen Aspenklonen (*Populus tremula* und *P. tremula* x *P. tremuloides*) und deren Auswirkungen auf phytopathologische Eigenschaften. In: Biologische Sicherheitsforschung bei Freilandversuchen mit transgenen Organismen und anbaubegleitendes Monitoring, ed. J. Schiemann. Proc. zum BMBF-Statusseminar am 29. und 30. Juni 1999, Braunschweig, Maul Druck Verlag, Braunschweig, pages 37-42.
- Fladung M., Kaldorf M., Buscot F., Muhs H.-J.** 2000. Untersuchungen zur Stabilität und Expressivität fremder Gene in Aspenklonen (*Populus tremula* und *P. tremula* x *P. tremuloides*) unter Freilandbedingungen. In: Biologische Sicherheitsforschung bei Freilandversuchen mit transgenen Organismen und anbaubegleitendes Monitoring, ed. J. Schiemann. Proc. zum BMBF-Statusseminar 29. und 30. Juni 1999, Braunschweig, Maul Druck Verlag, Braunschweig, pages 77-83.
- Fladung M., Muhs H.-J.** 2001. Einsatzpotential der Gentechnologie in der Forstwirtschaft. In: Tagungsband Holz Innovativ, Rosenheim, 7.und 8.3.2001, Kapitel 9, 4 pages.
- Fladung M., Tusch A., Markussen T., Ziegenhagen B.** 2000. Analysis of morphological mutants in *Picea*. In: Proc. of the Intern. Congress "Applications of biotechnology to forest genetics" (Biofor 99), Vitoria-Gasteiz, 22.-25. September 1999, ed. S. Espinel; E. Ritter, Vitoria-Gasteiz, Spain, 2000, pages 167-170.
- Gebhardt K., Pohl A., Vornam B.** 2002. Genetic inventory of Black Poplar populations in the Upper Rhine floodplains: conclusions for conservation of an endangered plant species. In: Proceedings of an Int. Symposium "Genetic diversity in river populations of European Black Poplar" held 16 – 20 May 2001 in Szekszárd, Hungary; eds. B.C. van Dam and S. Bordács, printed by C. Nyomda Ltd. Budapest, Hungary, p. 145 – 156
- Grünwald C., Deutsch F., Eckstein D., Fladung M.** 2000. Wood formation in *rolC* transgenic trees. Trees, 14, 297-304.
- Grünwald C., Fladung M.** 2000. Molekulare Regulation der Holzbildung – Sind Holz- und Fasereigenschaften genetisch modifizierbar? Hamburg, Max Wiedebusch Kommiss.-Verl., = Mitt. Bundesforsch. Forst-Holzwirtsch., Hamburg, No. 200. pages 69-76.

- Grünwald C., Fladung M.** 2000. Molekulare Regulation der Holzbildung – Sind Holz- und Fasereigenschaften genetisch modifizierbar?. In: Mitteilungen der Bundesforschungsanstalt für Forst- und Holzwirtschaft, No. 200, Kommissionsverlag Hamburg, pages 69-76.
- Grünwald C., Ruel K., Fladung M.** 2001. Morphology, wood structure and cell wall chemistry of *rolC* transgenic and non-transformed aspen trees. *Trees* 15, 503-517.
- Hellenbrand B.** 2001. Vergleichende gelelektrophoretische Analysen der Isoenzymmuster mutmaßlich autochthoner Schwarzpappelbestände in Westfalen zwecks Untersuchung der Reinrassigkeit und Klonabgrenzung bei *Populus nigra* L. Masters' Thesis, Köln.
- Hofmann M.** 2002. Anbau von Pappeln auf landwirtschaftlichen Stilllegungsflächen zur Erzeugung von Holzstoff für die Papierherstellung. 212Merkblatt 12 des Forschungsinstitutes für schnellwachsende Baumarten, Hann. Münden; 24 pages, ISSN 0177-9702
- Hofmann M.** 2002. Economic aspects of black poplar, -hybrids, yield and utilisation of wood. In: Proceedings of an Int. Symposium "Genetic diversity in river populations of European Black Poplar" held 16 – 20 May 2001 in Szekszárd, Hungary; eds. B.C. van Dam and S. Bordács, printed by C. Nyomda Ltd. Budapest, Hungary, p. 205 –
- Hönicka H., Fladung M.** 2003. Evaluation of strategies for avoiding vertical gene transfer from transgenic trees. In: Proc. of the Intern. Congress "Sustainable forestry, wood products and biotechnology" (Biofor 02), Vitoria-Gasteiz, 11-14 November 2002.
- Janssen A.** 2002. Die Schwarzpappel. In: Seltene Bäume in unseren Wäldern – Erkennen, Erhalten, Nutzen. Stiftung Wald in Not, Band 13, 21-23.
- Janssen A., Schulzke R., Walter P.** 2001. Sicherung von Schwarzpappelvorkommen im Auenbereich der hessischen Eder am Beispiel einer standortangepaßten Pflanzmethode. In: Renaturierung von Bächen, Flüssen und Strömen. Schriftenreihe Angewandte Landschaftsökologie, Heft 37, 291-293.
- Joachim H.-F.** 2002. Über die Schwarz-Pappel (*Populus nigra* L.) Verh. Bot. Ver. Berlin Brandenburg 135: 41-67, Berlin
- Joachim H.F.** 2000. Die natürliche Verbreitung der Schwarzpappel (*Populus nigra* L.) im Bereich von Oder und Elbe The natural distribution of *Populus nigra* L. between Oder and Elbe Beiträge für Forstwirtschaft und Landschaftsökologie, ISSN 0323-4673, Germany, 2000, v. 34(4) p. 145-148, 3 ill. 2 charts; 29 ref. Summaries (De, En), De
- Joachim H.F.** 2000. Die Schwarzpappel (*Populus nigra* L.) in Brandenburg Schriftenreihe des Ministeriums für Landwirtschaft, Umweltschutz und Raumordnung/Eberswalder Forstliche Schriftenreihe, Germany, v. 11, 43 ill. Bibliography p. 62-66. Summaries (De), ISBN 3-933352-32-0, Eberswalde, Germany, 2000, 66 p., De
- Joachim H.F., Gandert K.D. (Eds.).** 2001. Zur Schwarzpappel (*Populus nigra* L.) - Hinweise zur Kenntnis und zum Erhalt der bedrohten Baumart In: Beiträge zur Gehölzkunde 2001 ISBN 3-928521-21-7, Rinteln, Germany, Gartenbild Hansmann, 2001, p. 38-48,
- Kaldorf M., Fladung M., Muhs H.J., Buscot F.** 2002. Mycorrhiza colonization of transgenic aspen in a field trial. *Planta* 214, 653-660.
- Kauter D., Lewandowski I., Claupein W.** 2002. Biomasseerzeugung mit Pappeln und Aspen in Schnellwuchsplantagen: Ein Überblick, in: F.-X. Maidl, and W. Diepenbrock (Eds), Proceedings 45. Jahrestagung der Gesellschaft für Pflanzenbauwissenschaften, Verlag ueKünstlerpresse W. Bode, Freising, Germany, pp. 265-267.(E-NWS-2002-114)
- Kumar S., Fladung M.** 2000. Transgene repeats in aspen: molecular characterisation suggests simultaneous integration of independent T-DNAs into receptive hotspots in the host genome. *Mol. Gen. Genet.* 264, 20-28.
- Kumar S., Fladung M.** 2000. Determination of T-DNA repeat formation and promoter methylation in transgenic plants. *BioTechniques* 28, 1128-1137.
- Kumar S., Fladung M.** 2001. Controlling transgene integration in plants. *Trends Plant Sci.* 6, 155-159.

- Kumar S., Fladung M.** 2001. Gene stability in transgenic aspen (*Populus*). II. Molecular characterization of variable expression of transgene in wild and hybrid aspen. *Planta* 213, 731-740.
- Kumar S., Fladung M.** 2002. Gene targeting in plants. In: SM Jain, DS Brar, BS Ahloowalia (Eds.) *Molecular Techniques in Crop Improvement*. Kluwer Academic Press, pages 481-499.
- Kumar S., Fladung M.** 2002. Transgene integration in aspen: structures of integration sites and mechanism of T-DNA integration. *Plant J.* 31, 543-551.
- Kumar S., Fladung M.** 2003. *Forest Tree Transgenesis and Functional Genomics: From Fast Forward to Reverse Genetics*. *Silvae Genetica* 52, 229-232.
- Kumar S., Fladung M.** 2003. *Molecular Genetics and Breeding of Forest Trees*. The Haworth Press, Binghamton, NY, 436 pages.
- Kumar S., Fladung M.** 2003. Somatic mobility of the maize element *Ac* and its usability for gene tagging in aspen. *Plant Mol. Biol.* 51, 643-650.
- Kumar S., Fladung M.** 2003. Stability of transgene expression in aspen. In: Kumar S., Fladung M. (Eds.) *Molecular Genetics and Breeding of Forest Trees*. The Haworth Press, Binghamton, NY. S. 293-308.
- Kumar S., Fladung M.** 2000. Molecular analyses of stable and unstable transgenic aspen-*Populus* lines. In: Proc. of the Intern. Congress "Applications of biotechnology to forest genetics" (Biofor 99), Vitoria-Gasteiz, 22.-25. September 1999, Eds. S. Espinel; E. Ritter, Vitoria-Gasteiz, Spain, 2000, pages 387-395.
- Kumar S., Fladung M.** 2000. Molecular characterization of stable and unstable transgenic aspen (*Populus*). In: *Biotechnology 2000, The World Congress on Biotechnology*, 3-8 September 2000, Berlin, Vol. 3, 2000, pages 194-196.
- Lefèvre F., Bordacs S., Cotrell J., Gebhardt K., Smulders M.J.M., vanden Broeck A., Vornam B., van Dam B.C.** 2002. Recommendations for riparian ecosystem management based on the general frame defined in EUFORGEN and results from EUROPOP. In: *Proceedings of an Int. Symposium "Genetic diversity in river populations of European Black Poplar"* held 16 – 20 May 2001 in Szekszárd, Hungary; eds. B.C. van Dam and S. Bordács, printed by C. Nyomda Ltd. Budapest, Hungary, p. 157 – 161
- Liesebach M., Hofmann M.** 2000. Pappeln statt Brache, Holzplantagen im Kurzumtrieb werden jetzt interessant. *DlZ agargmagazin* 12/2000, s. 42-45
- Makeschin F.** 1999. Short rotation forestry in central and northern Europe – introduction and conclusions. *Forest Ecology and Management* 121, 1-7
- Scholz V., Ellerbrock R.** 2002. The growth, productivity, and environmental impact of the cultivation of energy crops on sandy soil in Germany. *Biomass and Energy* 23, p. 81-92
- Scholz V., Hellebrand H.J., Höhn A.** 2004. Energetische und ökologische Aspekte der Feldholzproduktion. *Bornimer Agrartechnischen Berichte Heft 35*, S. 15-31
- Schulzke R.** 2000. Characterization of indigenous species of poplars in Germany. In: *IPGRI Populus nigra network. Rep. of the sixth meeting*, Rome, 31-36
- Schyndel P. van.** 2001. Untersuchungen zur Reinrassigkeit und Klonabgrenzung bei der Schwarzpappel. Vergleichende gelelektrophoretische Analysen der Isoenzymmuster mutmaßlich autochthoner *Populus nigra* L. Bestände im Rheinland und im Münsterland. [Investigation on species purity and clonal identity of black poplar. Comparative gelelektrophoretic analyses of isoenzymatic patterns of putatively autochthonous *Populus nigra* stands in Rhineland and Muensterland] Masters' Thesis, Köln, 188 p.
- Weisgerber H.** 1999. *Populus nigra* LINNÉ, 1753. In: Schütt, P., Schuck, H. J., Lang, U. M., Roloff, A. (Eds.): *Zyklus der Holzgewächse. Handbuch und Atlas der Dendrologie*. 16. Erg. Lfg. 6/99, III-2. Ecomed Verlagsges., Landsberg/Lech, 1-18.
- Weisgerber H.** 2000. Monoklonkulturen und Formenvielfalt bei Pappeln – Über das Phänomen der Tolerierung vermeidbarer Anbaursiken. *Die Holzzucht* 53, 1-4.

- Weisgerber H.** 2000. *Populus euphratica* OLIVIER, 1801. In: Schütt, P., Weisgerber, H., Schuck, H. J., Lang, U. M., Roloff, A. (Eds.): Enzyklopädie der Holzgewächse. Handbuch und Atlas der Dendrologie. 22. Erg. Lfg. 12/00, III-2. Ecomed Verlagsges., Landsberg/Lech, 1-10.
- Weisgerber H.** 2002. *Populus trichocarpa* TORR. et A. GRAY ex HOOK., 1852. In : Schütt, P., Weisgerber, H., Schuck, H.J., Lang, U.M., Roloff, A. (Eds.): Enzyklopädie der Holzgewächse. Handbuch und Atlas der Dendrologie. 30. Erg. Lfg. 12/02, III-2. Ecomed Verlagsges., Landsberg/Lech, 1-15.
- Weisgerber H.** 2003. *Populus fremontii* S. WATSON, 1875. In: Schütt, P., Weisgerber, H., Schuck, H. J., Lang, U.M., Roloff, A., Stimm, B. (Eds.): Enzyklopädie der Holzgewächse. Handbuch und Atlas der Dendrologie. 34. Erg. Lfg. 12/03, III-2. Ecomed Verlagsges., Landsberg/Lech, 1-11.
- Ziegenhagen B., Brettschneider R., Kuhlenkamp V., Fladung M.** 2002. Non-Radioactive labelled amplified fragment length polymorphism for application in forest trees. In: K Van Dyke; C Van Dyke; K Woodfork (Eds.), Luminescence biotechnology: instruments and applications. Boca Raton, Florida, USA: CRC Press, pages 211-222.

India

- Ahmad M., Ahmad M.J., Mishra R.K.** 2001. First record of coccinellid beetles (Coleoptera: Coccinellidae) on poplar, *Populus deltoides* from north India. Indian Forester 127(8): 891-897.
- Ahmad M., Ahmad M.J., Mishra R.K., Khan H.R.** 2002. Egg parasitoid, *Trichogramma* and its host range in India. Indian Forester 128(4): 412-420.
- Ahmad M., Ahmad M.J., Mishra R.K., Sheel S.K.** 2001. Parasitization potential of egg parasitoid, *Telenomus colemani* Crawford (Hymenoptera : Scelionidae) against poplar defoliator, *Clostera cupreata* (Lepidoptera : Notodontidae). J. Trop. For. Sci. (Malaysia) 13 (2): 322-328.
- Ahmad M., Ahmad M.J., Mishra R.K., Sheel S.K.** 2001. Qualitative evaluation of the progenies of *Trichogramma poliae* Nagaraja (Hymenoptera : Trichogrammatidae). Ann. Forestry 9 (2): 293-300.
- Ahmad M., Ahmad M.J., Mishra R.K., Sheel S.K.** 2002. Superparasitism by *Trichogramma poliae* in the eggs of *Clostera cupreata* (Lep. : Notodontidae) and its effect on offspring. J. Trop. For. Sci. (Malaysia) 14 (1): 61-70.
- Ahmad M., Mishra R.K., Ahmad M.J.** 2001. Insect pest spectrum of poplar in India. Indian Forester 127(12): 1353-1366.
- Ahmad M., Mishra R.K., Ahmad M.J., Kumar M.** 2000. Attributes to the management of poplar defoliator, *Clostera cupreata* (Lepidoptera : Notodontidae), 83 – 94 : In Integrated management of Plant Resources, Rai, M.K., Varma, A. and Rajak, R.C. (Eds.) Scientific Publishers (India), Jodhpur.
- Ahmad M., Mishra R.K., Ahmad M.J., Pandey R.** 2002. Defoliation capability of poplar defoliator, *Clostera cupreata* Butler (Lepidoptera : Notodontidae), Indian Forester, 128(12): 1360-1366.
- Ahmad M., Mishra R.K., Gupta Hemant, Ahmad M.J.** 2002. New fungal disease of poplar defoliator, *Clostera cupreata* Butler (Lepidoptera: Notodontidae). Indian J. Forestry 25(1): 79-81.

- Ajit Srivastava P.N., Gupta V.K., Solanki K. R.** 2000. Linear tree growth models: a limitation of negative estimation of size. *Indian Forester*. 126(12):1336-134.
- Anonymous.** 2000. Official records of survey section, Department of Industries, Government of Punjab; Sector – 17, Chandigarh.
- Anonymous.** 2001. State of Forest Report, 2001. Forest Survey of India. Kaulagarh Road, Dehradun.
- Anonymous.** 2002. Statistical Abstract of Punjab, 2002. Economic Advisor to Government, Punjab.
- Annual Report, ICFRE.** Chapter 1:4. 2000-01. Development of laminated wood from Eucalyptus and Poplar for joinery and furniture items.
- Annual Report, MoEF, New Delhi.** 2002-03. Mortality in Blue-Pine and Willow Plantations pp 135.
- Ballal A.N., Gogate M.G., Dakshindas S.D., Karunakaran M.** 2001. Introduction of poplar species in Maharashtra State -- an assessment. *Indian Forester*. 127(1): 30-43.
- Bansal A.K., Narayanaprasad T.R., Mathews K.C.** 2002. Plywood from plantations species – *Populus deltoides* (poplar). *Indian Forester*. 128(1): 75-80.
- Basera S., Ahmad M.** 2001. Record of mantids preying on poplar defoliators, *Clostera* spp. (Lepidoptera: Notodontidae). *Ann. Forestry* 9(1): 169-171.
- Bhardwaj S.D., Panwar P., Gautam S.** 2001. Biomass production potential and nutrient dynamics of *Populus deltoides* under high density plantations. *Indian Forester*. 127(2): 144-153.
- Bhrot N.P., Khurana D.K.** 2001. Variability studies for some root characters in different clones of poplar. *Indian Journal of Forestry*. 24(2): 150-152.
- Burfal B.S., Meena K.L., Sharma R.C., Chhimwal C.B.** 2001. Status of poplar in Uttar Pradesh. *Indian Forester*. 127(2): 137-143.
- Chakrabarti S., Kapoor K.S., Kumar Shailendra, Kumar Surinder.** 2003. Outbreak of *Tuberolachnus salignus* Gmelin (Homoptera: Lachnidae) infesting Willows in Lahaul Valley of Himachal Pradesh: A case study. Proc. IUFRO-sponsored International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development organized at Solan, 7-13 Sept 2003.
- Chandra J. P.** 2001. Scope of Poplar cultivation. *Indian Forester*. 127 (1): 51-59.
- Chandra J. P., Gandhi J. N., Joshi B. C.** 2001. Clonal trial on *Populus deltoides* in Tarai region of Uttaranchal. *Indian Forester*. 127 (2): 257-259.
- Chaturvedi O.P., Pandey I.B.** 2001. Yield and economics of *Populus deltoides* G3 marsh based inter-cropping system in Eastern India. *Forests, Trees and Livelihoods*. 11(3): 207-216.
- Chaturvedi O.P., Dass D.K.** 2003. Biomass and Productivity along an Age Series *Populus deltoides* Plantation in Bihar. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 68-69.
- Chaudhary L., Tewari S.K.** 2003. Identification of poplar (*Populus deltoides* Bartr.) clones through leaf protein profiling. *Indian Journal of Genetics and Plant Breeding*. 63(3): 287.
- Chauhan H.S.** 2000. Performance of poplar (*Populus deltoides*) based agroforestry system using aromatic crops. *Indian Journal of Agroforestry*. 2: 17-21
- Chauhan H.S., Kalra A., Mengi N., Rajput D.K., Patra N.K., Singh K.** 2000. Performance of menthol mint (*Mentha arvensis*) genotypes to varying levels of nitrogen application under poplar based agroforestry system in Uttar Pradesh foot hills. In: (eds. Kumar S., Kukreja A.K., Dwivedi S. and Singh A.K.) Proceedings of the National Seminar on the Research and Development in Aromatic Plants: Current Trends in Biology, Uses, Production and Marketing of Essential Oils, Lucknow, India, 30-31 July 1999. *Journal of Medicinal and Aromatic Plant Sciences*. 22 (1B): 447-449.

- Chauhan L., Gupta S., Madhwal R. C., Pandey R.** 2001. Studies on the effect of spacing on the wood quality in some clones of *Populus deltoides*. Indian Forester. 127(1): 101-106.
- Chauhan V.K., Dhiman R.C.** 2003. Yield and quality of sugarcane under poplar (*Populus deltoides*)-based rainfed agroforestry. Indian Journal of Agricultural Sciences. 73 (6): 343-344.
- Dhanda R.S., Verma R.K.** 2001. Timber volume and weight tables of farm-grown poplar (*Populus deltoides* Bartr. ex Marsh.) in Punjab, (India). Indian Forester. 127(1): 115-130.
- Dhanda R.S., Kaur I.** 2000. Production of poplar (*Populus deltoides* Bartr.) in agri-silviculture system in Punjab. Indian Journal of Agroforestry. 2: 93-97
- Dhillon A., Sangwan V., Malik D.P., Luhach M.S.** 2001. An economic analysis of poplar cultivation. Indian Forester. 127(1): 86-90.
- Dobriyal P.B., Chauhan K.S., Dev Indra.** 2001. The durability and treatability of *Populus deltoides* Marsh. Indian Forester 127(2): 207-212.
- Gangoo S.A., Khurana D.K.** 2002. *In vitro* multiplication of poplars: effects of growth regulators and genotypes. Applied Biological Research. 4(1-2): 11-16.
- Gaur A., Adholeya A., Mukerji K.G.** 2000. On-farm production of VAM inoculum and vegetable crops in marginal soil amended with organic matter. Tropical Agriculture. 77(1): 21-26.
- Gupta A., Seghal R.N., Panwar P., Thakur I.K.** 2002. Selection of rust (*Melampsora spp.*) resistant trees of *Populus ciliata* in Himachal Pradesh. Indian Journal of Forestry. 25(1-2): 96-98.
- Gupta R.K., Singh K., Kumar D., Srivastava Y.K., Singh N.B.** 2001. Flowering status of *Populus deltoides* clones in India. Indian Forester. 127 (2): 163-172.
- Handa A.K., Thakur S., Khurana D.K.** 2001. Isozyme banding pattern in the hybrids of *Populus ciliata x maximowiczii*. Indian Forester. 127(1): 107-110.
- Jain V.K., Khanduri A.K.** 2003. Interclonal variation in strength properties of *Populus deltoides* from Haldwani (Uttaranchal). Indian Forester. 129(9): 1069-1076.
- Jha K.K., Kumar Y.** 2000. Interspecific hybridization in poplars and initial performance of hybrids in Tarai of Uttar Pradesh. Indian Journal of Forestry. 23(1): 1-11.
- Jha M.N., Gupta M.K., Dimri B.M.** 2000. Effect of agroforestry practices on soil properties. Annals of Forestry. 8(2): 225-228.
- Joshi M., Nayital R.K.** 2002. Effect of cutting thickness on rooting, shoot emergence and growth of *Populus ciliata* Wall. Range Management and Agroforestry. 23(2): 144-148.
- Joshi M., Nayital R.K.** 2003. Stock quality and planting depth influences out planting performance of *Populus ciliata*. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 12-13.
- Kapoor K.S., Verma R.K., Kumar Surinder, Rawat R.S., Negi P.S.** 2003. Provenance selection of *Populus ciliata* Wall ex Royle: A tool for short rotation in cold arid zones of Himachal Pradesh.
- Kapoor K.S., Verma R.K., Rawat, R.S.** 2003. Performance of dif provenances of *Populus ciliata* Wall ex Royle in Kullu Valley, Himachal Pradesh. Accepted for publication in Indian Journal of Forestry, Dehradun.
- Kaushal R., Verma K.S., Singh K.N.** 2003. Effect of *Grewia optiva* and *Populus deltoides* leachates on field crops. Allelopathy Journal. 11(2): 229-234.
- Kaushik N., Singh J.** 2001. Performance of pearl millet-wheat in poplar based agri-silviculture system in sandy soils of Southern Haryana. Indian Journal of Agroforestry. 3(1): 51-54.
- Khajuria H.N., Chauhan S., Gera M. K., Bajwa V.** 2000. Evaluation of certain forest and fruit tree species on flyash dumping site. Annals of Forestry. 8(2): 220-224.

- Khan P.A., Mughal A.H., Khan M.A.** 2001. Allelopathic effects of leaf extract of *Populus deltoides* M. on germination and seedling growth of some vegetables. Range Management and Agroforestry. 22(2): 231-236
- Khurana D.K., Mohanty T.L.** 2000. Identification of selected clones of *Populus deltoides* Marsh by qualitative morphological traits. Environment and Ecology. 18(4): 958-961.
- Kishwan J., Kumar D.** 2003. Future of poplar in India. Paper presented in International Conference on Future of Poplar Culture. Italian National Forestry Commission, Nov 13-15, 2003. Rome, Italy. 10 p.
- Kumar D., Rana A.K.** 2003. Early deployment of new clones through Multi-Step selection and concurrent multiplication. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 32-33.
- Kumar D., Singh N.B.** 2001. Age-age correlation for early selection of clones of *Populus* in India. Silvae Genetica. 50(3-4): 103-108.
- Kumar D., Kumar P., Kumar P.** 2001. Leaf fall in Poplar and its impact on wheat intercrop. Indian Forester. 127(2): 187-190.
- Kumar R., Gupta P.K., Gulati A.** 2003. Poplar based Agroforestry in Dehradun district. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 116.
- Kumar R., Gupta P.K., Gulati A.** 2003. Agroforestry extension and its impact on socio-economic scenario – A case study of Yamunanagar district of Haryana State (India), Indian Forester, 129(4): 435-445.
- Kumar R., Gupta P.K., Gulati A.** 2003. Viable agroforestry models and their economics in Yamunanagar district of Haryana and Hardwar district of Uttaranchal. Indian Forester, 130(2): 131-148.
- Kumar R., Gupta P.K., Gulati A.** 2004. Comparative growth performance of cuttings of *Populus deltoides* in the nursery derived from vegetative multiplication garden (VMG) and entire transplants (ETPs). (In Press).
- Kumar S., Gaur G.S., Pyare R.** 2003. Economy of poplar based agro-forestry system in different agro ecological regions of U.P. Progressive Agriculture. 3 (1-2): 18-21.
- Kumar Surinder, Kapoor K.S., Chakrabarti S., Kumar Shailendra.** 2003. Willow mortality and remedial strategies (Lahaul Valley). A detailed report (No.HFRI/RP/022) submitted to the State Forest Department of Himachal Pradesh pp. 1-26.
- Kumar Surinder, Kapoor K.S., Chakrabarti S., Kumar Shailendra.** 2003. Large scale mortality of Willow in Lahaul Valley, district Lahaul Spiti, H.P. Indian Forester 129(4): 543-544.
- Kumar V., Rajput P.R.** 2003. Studies on yield and yield components of wheat varieties in open and under poplar (*Populus deltoides* Bartr. Ex. Marsh) based agro-silviculture system. Plant Archives. 3(2): 183-189.
- Kumari B., Kumar R.** 2003. Fine Root Growth Phenology, Production and Turnover in Poplar Plantations of Different Ages. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 48-49.
- Lal P.** 2001. Registration of clones and certification of clonal planting stock. Indian Forester. 127(1): 16-20
- Lodhiyal L.S., Lodhiyal N., Singh S.K.** 2002. Litter dynamics and nutrient return of poplar plantations in moist plain areas of Central Himalayas. Indian Forester. 128(11): 1183-1194.

- Mitra A., Pal A.** 2000. Isozyme analysis of *Populus deltoides* and a hybrid poplar for the evaluation of genetic stability in the culture regenerated plants. *Journal of Tropical Forest Science*. 12(4): 697-706.
- Mohanty T.L., Khurana D.K.** 2000. Comparative growth performance of *Populus ciliata*, *P. yunnanensis*, *P. alba*, *P. deltoides*, hybrid of *P. ciliata* and hybrid of *P. deltoides* in nursery stage. *Environment and Ecology*. 18(2): 392-397.
- Mohsin F., Ram B.** 2002. Sixty-month study on litter production, changes in soil chemical properties and productivity under poplar (*Populus deltoides*) intercropped with wheat. *Indian Journal of Agroforestry*. 4(2) 81-87.
- Naithani H.B., Chandra S., Pal M.** 2001. Indian poplars with special reference to indigenous species. *Indian Forester*. 127(2): 230-237.
- Nanda R., Momi G.S., Chauhan S.** 2001. Awareness of adopters and non-adopters towards different aspects of Poplar-based agroforestry in Punjab. *Indian Forester*. 127(2): 191-198.
- Negi M.S., Rajagopal J., Chauhan N., Cronn R., Lakshmikumaran M.** 2002. Length and sequence heterogeneity in 5S rDNA of *Populus deltoides*. *Genome*. 45(6): 1181-1188.
- Negi Y.S., Bisht N.S.** 2001. Market mechanism of farm forestry trees – a case of important North Indian Markets. Dr. Y.S. Parmar Univ. of Horticulture & Forestry, Solan.
- Pandey C.N., Kambo A.S.** 2001. Properties and processing of *Populus deltoides* Bartr. For producing quality sawn and seasoned timber. *Indian Forester* 127(2): 238-241.
- Pandey R., Dhall S.P.** 2001. Jackknifing -- a resampling procedure for bias reduction with special reference to forestry data. *Indian Forester*. 127(3): 343-346.
- Pandit A., Pant K., Ram J.** 2002. Effect of collection date on capsule moisture content and germination of *Populus ciliata* Wall. ex Royle from central Himalaya. *New Forests*. 23(2): 121-130.
- Puri S., Sharma A.** 2002. Productivity of wheat under a *Populus deltoides* agroforestry system in the South-east of Central India. *Indian Forester*. 128(12): 1319-1326.
- Puri S.** 2002. Estimation of aerial biomass of *Populus deltoides* G3 clones growing in agricultural fields. *Range Management and Agroforestry*. 23(2): 99-104.
- Puri S., Thompson F.B.** 2003. Relationship of water to adventitious rooting in stem cuttings of *Populus* species. *Agroforestry Systems*. 58(1): 1-9.
- Puri S., Swami S.L.** 2003. Prospective of introduction of *Populus deltoides* clones in sub humid tropics of central India. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 15-16.
- Puri S., Swamy S.L., Jaiswal A.K.** 2002. Evaluation of *Populus deltoides* clones under nursery, field and agrisilviculture system in subhumid tropics of Central India. *New Forests*. 23(1): 45-61.
- Rajagopal J., Bashya L., Bhati S., Khuran D.K., Srivastava P.S., Lakshmikumaran M.** 2000. Evaluation of genetic diversity in the Himalayan poplar using RAPD markers. *Silvae Genetica*. 49(2): 60-66.
- Ramesh K.R., Khurana D.K.** 2003. Natural provenance variation in *Populus alba* Linn. from Western Himalaya. *Indian Forester*. 129 (9): 1077-1084.
- Rani V., Parida A., Raina S.N.** 2001. Chromosome number dependent genome size and RAPD fingerprinting diagnostics for genetic integrity of enhanced axillary branching-derived plants of ten forest tree species. In: (eds. Sorvari, S., Karhu, S., Kanervo, E. and Pihakaski, S.). Proceedings of the Fourth International Symposium on *In Vitro* Culture and Horticultural Breeding, Tampere, Finland, 2-7 July 2000. *Acta Horticulturae*. No. 560: 531-534.
- Rawat G. S., Singh N.B., Gupta R.K., Singh K., Sharma S.D.** 2001. Clonal evaluation of poplar (*Populus deltoides* Bartr.) in eastern Uttar Pradesh. I - Nursery testing. *Indian Forester*. 127(1): 70-80.

- Sarma T.C.** 2000. Poplar -- its culture and use as a source of raw material for pulp and paper industry. *Advances in Forestry Research in India*. 22(1-23).
- Sharma D.P., Gupta B., Gupta, N.K.** 2003. Effect of Stump diameter on first rotation coppice shoots in *Populus deltoides* and *Eucalyptus tereticornis* - A Case study. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 63.
- Sharma N.K., Singh H.P., Dadhwal K.S.** 2000. Effect of poplar (*Populus deltoides*) on wheat growth at an early stage. *Indian Journal of Soil Conservation*. 28(3): 221-225.
- Sharma N.K., Singh H.P., Dadhwal K.S.** 2000. Nutrient returns through litter fall in *Populus deltoides* based agroforestry system. *Indian Forester*. 126(3): 295-299.
- Sharma N.K., Singh H.P., Dadhwal K.S.** 2002. Effect of poplar (*Populus deltoides* M.) plantation on weed growth in wheat crop. *Indian Journal of Agroforestry*. 4(2): 104-108
- Sharma Rajesh, Panwar Vijender Pal.** 2001. Nursery performance of exotic poplars under mid hill conditions of Himachal Pradesh. *Indian Forester* 127(1).
- Sharma R.C., Sharma S.** 2003. Diseases of poplar in India and their Management. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 184
- Sharma S., Sharma R.C.** 2003. Development of *Melampsora* leaf rust in *Populus ciliata* clones. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 194.
- Shukla N.K., Khanduri A.K., Dangwal M.N.** 2000. Physical and mechanical properties of different clones of *Populus deltoides* – An assessment. *Indian Forester* 126(1): 31-56.
- Singh A.P., Ahmad M.** 2001. Seasonal variation in adult longevity of *Aleiodes purcurrens* Lyle (Hymenoptera: Braconidae), a larval parasitoid of poplar defoliator, *Clostera cupreata* Butler. *Indian Forester* 127(1): 81-86.
- Singh H., Singh G.** 2001. Performance of turmeric (*Curcuma longa*) in association with multipurpose tree species. *Applied Biological Research*. 3(1-2): 57-60.
- Singh H.P., Kohli R.K., Batish D.R.** 2001. Allelopathic interference of *Populus deltoides* with some winter season crops. *Agronomie*. 21(2): 139-146.
- Singh N.B., Jha R.K., Kumar D., Gupta R.K., Singh K.** 2000. Achievements of poplar breeding [Poplar prajanan ki upalabdhiyan]. (In Hindi). *Krishi Chayanika*. 21(3): 17-24.
- Singh N.B., Kumar D., Gupta R., Singh K.** 2001. Poplar improvement: Need implementation and achievement. In: *Advances in Horticulture and Forestry*. (Ed. S.P. Singh). Scientific Publisher (India) Jodhpur. 8:205-237.
- Singh N.B., Kumar D., Gupta R., Pundir I., Tomar A.** 2002. Intraspecific and interspecific hybridisation in poplar for production of new clones. *ENVIS Forestry Bulletin*. 2(2): 11-15.
- Singh N.B., Kumar D., Gupta R.K., Singh K., Khan G.H.** 2001. Role of poplar in sustainable development of India. *Indian Journal of Agroforestry*. 3(2): 92-99.
- Singh N.B., Kumar D., Rawat G.S., Gupta R.K.** 2001. Establishment of breeding orchard of *Populus deltoides* Bartr. *Indian Forester*. 127 (1): 3-10.
- Singh A.P., Pandey R.** 2002. Natural resistance of *Populus deltoides* clones selection to defoliator *Clostera cupreata* (Lep., Notodontidae) in northern India: relative pupal weight as an easier criteria for accurate evaluation. *Journal of Applied Entomology*. 126(9): 475-480.
- Singh A.P.** 2003. Insect Pests of *Populus deltoides* raised under short rotation forestry and their management in Northern India. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 185.

- Singh B., Behl H.M.** 2001. Scope of *Populus deltoides* on marginal lands of Indo-Gangetic plains. Indian Forester. 127(1): 91-100.
- Singh B.** 2001. Influence of fertilization and spacing on growth and nutrient uptake in poplar (*Populus deltoides*) nursery. Indian Forester. 127(1): 111-114.
- Singh D.R.R., Jhalaria V.K.** 2001. Evaluation of credit worthiness for institutional financing through growth of *Populus deltoides* Marsh grown in forest site and farm forestry. Indian Forester. 127(12): 1311-1325.
- Singh N.B., Kumar D., Gupta R.K.** 2001 In: Varma, R.V., Bhat K.V. Muralidharan E.M. and Sharma, J. K. (eds.) 2001 Future of poplars in India. In: Tropical Forestry Research: Challenges in the New Millennium. Proceedings of the International Symposium, Peechi, India, 2-4 August, 2000. p. 91-98.
- Singh N.B., Kumar D., Rawat G.S., Gupta R.K.** 2001. Establishment of breeding orchard of *Populus deltoides* Bartr. Indian Forester. 127(1): 3-10.
- Singh N.B., Kumar D., Rawat G.S., Gupta R.K., Singh K., Negi S.S.** 2001. Clonal evaluation on Poplar (*Populus deltoides* Bartr.) in Eastern Uttar Pradesh. II -- Estimates of genetic parameters in field testing. Indian Forester. 127(2): 163-172.
- Singh N.B., Kumar D., Singh B.** 2003. Third stage selection of new & promising clones of Poplar at Forest Research Institute, Dehradun, India. In: International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development Sept. 7-13. Abstracts. Dr. Y.S. Parmar University of Horticulture & Forestry Nauni, Solan, Himachal Pradesh, India. p. 22-23.
- Singh Ranjeet, Singh Charan, Kapoor K.S., Bhalaik R.R.** 2003. Evaluation of insecticides against defoliators of *Populus ciliata*, wall in Himachal Pradesh. Proc. National Symposium on Agroforestry at Punjab Agricultural University, Ludhiana 11-14 February, 2003.
- Singh R., Sohi A.S., Sangha K.S.** 2001. Studies on seasonal history, host range and nature of damage caused by *Asphadastis cryphomycha* Meyrick (Lepidoptera: Pyralidae) on poplar in Punjab. Indian Journal of Forestry. 24(3): 357-361.
- Singh S.P., Negi Anil.** 2001. Utilization of Poplar for wood composites. Indian Forester 127(2): 154-159.
- Singh V.N., Upadhyay A.K.** 2001. Volume tables for G48 and D121 clones of *Populus deltoides* for the Tarai and Bhabhar region of Uttaranchal. Indian Forester. 127(1)
- Uniyal K.** 2003. Arbuscular mycorrhizal association of *Populus deltoides*. Indian Forester. 129(4): 527-530.
- Yadav A.K.** 2001. Cultivation of lemon grass (*Cymbopogon flexuosus*, 'CKP-25') under Poplar-based agroforestry system. Indian Forester. 127(2): 213-223.

Italy

- AA.VV.** 2003. Progetto "Ecocertificazione della pioppicoltura" (ECOPIOPPO) Available: <http://www.regione.piemonte.it/montagna/pubblicazioni/ecopioppo.htm>
- Allegro G.** 2001. La Carabidofauna dell'Oasi WWF 'Il Verneto' di Rocchetta Tanaro (Asti, Piemonte) (*Coleoptera Carabidae*). Rivista Piemontese di Storia Naturale n. 22, 165-182 [It] Quaderno Scientifico dei Parchi Astigiani (estratto da Rivista Piemontese di Storia Naturale) n. 3, 3-20 [It]
- Allegro G.** 2001. Un interessante Carabide alla Garzaia di Valenza: *Chlaeniellus olivieri* (Crotch, 1870). L'Informafiume - Notiziario del Parco Fluviale del Po e delle Orbe n. 10, p. 14 [It]
- Allegro G.** 2001. I Carabidi, insetti di successo (*Coleoptera Carabidae*). Quaderno Scientifico dei Parchi Astigiani n. 3, 21-47 [It]

- Allegro G.** 2003. Nuovi interessanti reperti di Carabidi (Coleoptera, Carabidae) per il Basso Monferrato (Piemonte). Rivista Piemontese di Storia Naturale n. 24, 233-238 [It]
- Allegro G.** 2003. La conservazione del legno morto nella pioppicoltura specializzata: il caso del picchio rosso maggiore. [Abstract]. In: International Symposium 'Dead wood: a key to biodiversity' Progetto LIFE NAT/IT/006245 Abstracts. Mantova, 29,30, 31 maggio 2003. p. 2 [En]
- Allegro G.** 2003. Il picchio rosso maggiore (*Picoides major*) specie-chiave nella pioppicoltura italiana. In: Legno morto: una chiave per la biodiversità. Atti del Simposio Internazionale 29 - 31 maggio 2003 Mantova (Italia) [a cura di: Mason, F., Nardi, G., Tisato, M.]. Supplemento n. 2 al n. 95 di SHERWOOD - Foreste ed alberi oggi (2003) 23-25 [It]
- Allegro G., Augustin S.** 2000. Recent advances in poplar resistance to insect pests in Europe (1992-1999). [Abstract]. In: 21st Session of the International Poplar Commission (IPC 2000) Poplar and Willow culture: Meeting the Needs of Society and the Environment [Isebrands, J.G.; Richardson, J. comps.] Gen. Tech. Rep. n. NC 215, p. 4 [En]
- Allegro G., Cersosimo M.** 2001. Un interessante Carabide nell'Oasi WWF 'Bosco del Lago' di Castello d'Annone (Asti, Piemonte). Notiziario Regionale, WWF Piemonte e Valle d'Aosta - Supplemento Panda n. 3 [It]
- Allegro G., Cersosimo M., Palestrini C.** 2002. I Carabidi dell'Oasi WWF 'Bosco del Lago' di Castello di Annone (Asti, Piemonte) (Coleoptera, Carabidae). Rivista Piemontese di Storia Naturale n. 23, 175-194 [It]
- Allegro G., Chiarabaglio P.M., Cristaldi L., Facciotto G., Gola L., Picco F., Pieri M.** 2003. Recupero delle aree naturali dell'Azienda Mezzi annessa all'Istituto di Sperimentazione per la Pioppicoltura. [Poster]. presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Allegro G., Della Beffa G.** 2001. Un nuovo problema entomologico per la pioppicoltura italiana: *Platypus mutatus* Chapuis (Coleoptera, Platypodidae). SHERWOOD - Foreste ed Alberi Oggi 7: (4) 31-34 [It]
- Allegro G., Sciaky R.** 2001. I Coleotteri Carabidi del Po piemontese (tratto orientale). Bollettino del Museo Regionale Scienze Naturali di Torino 18: (1) 173-201 [It]
- Allegro G., Sciaky R.** 2003. Assessing the potential role of ground beetles (Coleoptera, Carabidae) as bioindicators in poplar stands, with a newly proposed ecological index (FAI). Forest Ecology and Management n. 175, 275-284 [En]
- Arrigoni R., Ballarin L., Bulian F., Castro G., Gelosa A., Longoni M., Merlini G., Zanuttini R.** 2003. La marcatura CE per i pannelli a base di legno. Milano; Cosmit/Federlegno Arredo. 43 pp [It]
- Balestrazzi A., Carbonera D., Confalonieri M.** 2000. *Agrobacterium tumefaciens*-mediated transformation of elite white poplar (*Populus alba* L.) and regeneration of transgenic plants. Journal of Genetics & Breeding 54: 263-270 [En]
- Balestrazzi A., Confalonieri M.** 2002. Strategie per l'ottenimento di piante transgeniche di pioppo che esprimono geni di sterilità sessuale. Corso di aggiornamento "Strategie innovative per il trasferimento genico nei vegetali"- Fondazione per le Biotecnologie. Torino, Villa Gualino, 11-12 Aprile 2002, 10-12
- Balestrazzi A., Confalonieri M., Ressegotti V., Calligari P., Anfosso L., Skinner J., Strauss S., Carbonera D.** 2002. Genetic engineering of sexual sterility in poplar. In: Riunione Congiunta gruppi di Lavoro Biotecnologie e Differenziamento Biologia Cellulare e Molecolare, Verona, 12-14 giugno 2002. p. 20 [En]
- Balksari P., Airoidi G.** 2002. Valutazione energetica ed economica di una coltivazione di pioppo per la produzione di biomassa. Rivista di Agronomia 36: (2) 163-169 [It]

- Balsari P., Airoidi G., Facciotto G.** 2001. Operative and economic evaluation of machines for planting cuttings. [Poster]. Presentato al Convegno IUFRO 'Nursery production and stand establishment of broad-leaves to promote sustainable forest management', Roma 7-10 maggio 2001. [En]
- Balsari P., Airoidi G., Facciotto G.** 2001. A machine to cut poplar sets into cuttings. [Poster]. Presentato al Convegno IUFRO 'Nursery production and stand establishment of broad-leaves to promote sustainable forest management'. Roma, 7-10 maggio 2001. [En]
- Balsari P., Airoidi G., Facciotto G.** 2002. Preparazione di talee di pioppo per biomassa - Valutazione di una macchina innovativa. SHERWOOD - Foreste ed Alberi Oggi 8: (3) 39-44 [It]
- Balsari P., Airoidi G., Facciotto G.** 2002. Messa a dimora di un impianto di pioppo da biomassa. Valutazioni tecnico-economiche di quattro trapiantatrici. SHERWOOD - Foreste ed Alberi Oggi 8: (8) 49-54 [It]
- Balsari P., Airoidi G., Giorcelli A.** 2000. Prime valutazioni sulla qualità della distribuzione degli antiparassitari del pioppeto. In: Atti delle Giornate Fitopatologiche, Perugia 16-20 aprile 2000. (I) 263-270 [It]
- Barani A., Ferrari M., Fontani A., Catellani A., Bondavalli R., Franchi A., Vai N., Scaravelli P., Montermini A.** 2000. Efficacia nei confronti della ruggine del pioppo di due fungicidi triazolici applicati con dosaggi e tempi diversi. In: Atti, Giornate fitopatologiche, Perugia, 16-20 aprile, 2000, Vol. 2, 97-102 [It]
- Barani A., Vezzadini S., Ferrari M., Vai N., Mazzini F., Scaravelli P.** 2000. La difesa da *Saperda carcharias*, xilofago del pioppo. L'Informatore Agrario 56: (20) 69-73 [It]
- Barcaccia G., Meneghetti S., Albertini E., Triest L., Lucchin M.** 2003. Linkage mapping in tetraploid willows: segregation of molecular markers and estimation of linkage phases support an allotetraploid structure for *Salix alba* x *Salix fragilis* interspecific hybrids. Heredity, 90: (2) 169-180.
- Barcaccia G., Paiero P., Lucchin M.** 2000. Studio delle relazioni genetico-molecolari esistenti tra specie del gen. *Salix L.* della sez. *Fragiles* Fr. Monti e Boschi vol. 1, 56-62.
- Bergoglio M.T., Boffito G., Chiarabaglio P.M., Coaloa D., Cristaldi L., Facciotto G., Vietto L.** 2003. Riqualificazione idrogeologica e ambientale dell'Isola Colonia, con sistemazione di area attrezzata. [Poster]. Presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Bergoglio M.T., Boffito G., Chiarabaglio P.M., Cristaldi L., Facciotto G., Vietto L.** 2003. Riqualificazione ambientale e valorizzazione turistica di Valle Po di Valenza. [Poster]. Presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Bisoffi S.** 2000. Alberi trasgenici sì o no? La posizione dei ricercatori. SHERWOOD - Foreste ed Alberi Oggi 6: (1) 15-18 [It]
- Bisoffi S.** 2000. Biomasse legnose da impianti a ciclo breve per la produzione di energia: sono una cosa seria?. SHERWOOD - Foreste ed Alberi Oggi 6: (3) 15-18
- Bisoffi S.** 2000. Casale Monferrato, the Italian hometown of poplars. IPGRI Newsletter for Europe n. 18, p. 4 [En]
- Bisoffi S.** 2000. Alberi geneticamente modificati. Industria della Carta 38: (2) 12-15 [It]
- Bisoffi S.** 2002. Plot size, border effects and age-age correlations in poplar field trials. [Abstract]. In: International Poplar Symposium III on basic and applied aspects of poplar and willow biology. Uppsala, Sweden. August 26-29, 2002. p. 96 [En]
- Bisoffi S.** 2003. Cloni. In: Linee guida per il reperimento e l'impiego dei materiali di base. Per l'applicazione della Direttiva Europea 1999/105/CE [a cura di Ducci, F.]. Arezzo; ISSA. (2003) 4.5.3.2, 62-64 [It]

- Bisoffi S.** 2003. Miscugli di cloni. In: Linee guida per il reperimento e l'impiego dei materiali di base. Per l'applicazione della Direttiva Europea 1999/105/ CE [a cura di Ducci, F.]. Arezzo; ISSA. (2003) 4.5.3.3, 64-70 [It]
- Bisoffi S.** 2003. Le tendenze della ricerca. Nuova Proprietà Fondiaria - Speciale Pioppicoltura 6: (6) 11-12 [It]
- Bisoffi S., Coaloa D.** 2000. Problemi attuali e prospettive della pioppicoltura italiana. Economia Montana - Linea Ecologica 32: (6) 54-58 [It]
- Bisoffi S., Confalonieri M.** 2003. Prospettive di applicazione di biotecnologie in pioppicoltura. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 9 pp. [It]
- Bisoffi S., Facciotto G.** 2000. I cedui a turno breve (SRF). SHERWOOD - Foreste ed Alberi Oggi 6: (8) 21-23 [It]
- Bisoffi S., Minotta G.** 2003. La pioppicoltura. In: L'arboricoltura da legno: un'attività produttiva al servizio dell'ambiente. 'Libro bianco sulle produzioni legnose fuori foresta in Italia'. Bologna; Ed. Avenue media. 32-34 [It]
- Bonadei M.** 2003. Approcci innovativi per la produzione di piante di pioppo transgeniche a ridotto impatto ambientale. [dissertation] Pavia, Università degli Studi di Pavia; 2003. 124 pp.
- Buresti E., Mori P., Ravagni S.** 2001. Piantagioni miste con pioppo e noce comune: vantaggi e svantaggi di una scelta complessa. SHERWOOD – Foreste ed Alberi Oggi 7: (9) 11-17 [It]
- Buresti E., Ravagni S.** 2001. Due esempi di convivenza tra noce e pioppo. SHERWOOD – Foreste ed Alberi Oggi. 7 (8) 51-54 [It]
- Camoriano L.** 2003. Le politiche di ricerca e sviluppo della Regione Piemonte per gli interventi forestali in pianura. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 4 pp. [It]
- Carbonera D., Balestrazzi A., Confalonieri M., Ressegotti V.** 2003. OGM e sterilità: produzione di piante transgeniche di pioppo a basso impatto ambientale. In: Medici A., Grillo C.M., Bernacchia G. "Organismi geneticamente modificati. Etica, tecnica, norme". Piacenza, La Tribuna, 197-209
- Carbonera D., Balestrazzi A., Confalonieri M., Ressegotti, Anfosso L., Calligari P., Skinner J., Strauss S.** 2002. Control of reproduction in *Populus alba* by genetic ablation of floral tissues. [Poster]. In: International Poplar Symposium III on basic and applied aspects of poplar and willow biology. Uppsala, Sweden. August 26-29, 2002. p. 222 [En]
- Castiglione S., Fossati T., Grassi F., Bollotta S., Bisoffi S., Sala F.** 2000. Studies of population genetics through microsatellite analysis of *Populus nigra* L. growing on Ticino river banks. [Abstract]. In: 21st Session of the International Poplar Commission (IPC 2000) Poplar and Willow culture: Meeting the Needs of Society and the Environment [Isebrands, J.G.; Richardson, J. comps.] Gen. Tech. Rep. n. NC 215, p. 30 [En]
- Castro G.** 2000. Bozza di norma europea sulla classificazione dei segati di pioppo. SHERWOOD - Foreste ed Alberi Oggi 6: (4) 21-23 [It] Il Legno (2000) n. 160, 67-69 [It]
- Castro G.** 2003. Il legno in edilizia. Passato, presente, futuro. In: Il legno massiccio in edilizia. Idee, materiali e tecniche per costruire in armonia con l'ambiente. Milano; Federlegno-Arredo. 15-16 [It]
- Castro G., Cremonini C., Zanuttini R.** 2001. Industrial processing trials of Italian grown *Eucalyptus grandis*: slicing and rotary cutting. In: Proceedings of the International conference 'Eucalyptus in the Mediterranean Basin: Perspectives and new Utilisations'. CNR-Istituto per l'Agroselvicoltura, Taormina-Crotone, Ottobre 15-19, 2000. 229-236 [En]
- Castro G., Paganini F.** 2000. Legno lamellare misto larice-abete. Mondo Legno n. 50, 66-73 [It]

- Castro G., Paganini F.** 2000. Poplar-Eucalyptus glued laminated timber. [Poster] [Abstract]. In: 21st Session of the International Poplar Commission (IPC 2000) Poplar and Willow culture: Meeting the Needs of Society and the Environment [Isebrands, J.G.; Richardson, J. comps.] Gen. Tech. Rep. n. NC 215, p. 31 [En]
- Castro G., Paganini F.** 2003. Mixed glued laminated timber of poplar and Eucalyptus grandis clones. Holz als Roh- und Werkstoff 61:(4) 291-298 [En]
- Castro G., Paganini F., Pinna M.** 2001. Mixed species glue laminated timber of Italian cultivated poplar and eucalyptus clones. In: Proceedings of the International conference 'Eucalyptus in the Mediterranean Basin: Perspectives and new Utilisations'. CNR-Istituto per l'Agroselvicoltura, Taormina-Crotone, Ottobre 15-19, 2000. p. 325 [En]
- Chiarabaglio P.M., Coaloa D.** 2002. Valutazione qualitativa e quantitativa del pioppeto maturo in piedi. L'Informatore agrario 58: (41) 25-27 [It]
- Chiarabaglio P.M., Coaloa D.** 2002. Stima del Pioppeto. Criteri oggettivi per la valutazione del pioppeto maturo. Supplemento ai Quaderni di ricerca della Regione Piemonte - Agricoltura. n. 35, 47 pp. + CD [It]
- Chiarabaglio P.M., Coaloa D., Ferraris S., Giordano A., Giovannozzi M.** 2003. Vegetazione arborea ripariale ed erosione idrica di sponda. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 3 pp. [It]
- Chiarabaglio P.M., Cristaldi L., Facciotto G., Mallarino A., Picco F., Vietto L.** 2003. Realizzazione di una fascia boschiva con specie pioniere nel ripristino di una cava sulle sponde del canale Rivarossa. [Poster]. Presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Chiarabaglio P.M., Cristaldi L., Facciotto G., Mallarino A., Vietto L.** 2003. Recupero naturalistico della proprietà comunale dell'Isola di Santa Maria di Crescentino. [Poster]. Presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Chiarabaglio P.M., Cristaldi L., Facciotto G., Picco F., Vietto L.** 2000. Realizzazione di un impianto con specie pioniere per il recupero di una cava in area golenale. SHERWOOD - Foreste ed Alberi Oggi 6: (11) 7-14 [It]
- Chiò M.** 2004. Prove di SRF con pioppo, salice e robinia nella pianura piemontese. Torino, Università degli Studi di Torino; 2004. 74 pp.
- Cielo P., Settembre P., Zanuttini R.** 2002. I cantieri di utilizzazione del pioppo. Sistemi di lavoro, tempi e produttività. Arezzo; Compagnia delle Foreste (2002) 31 pp. [It] Available: [http://www.agroselviter.unito.it/for-legno%20\(2\)/tecnologia/downl.htm](http://www.agroselviter.unito.it/for-legno%20(2)/tecnologia/downl.htm)
- Cielo P., Settembre P., Zanuttini R.** 2002. Cantieri di utilizzazione del pioppo. Sistemi di lavoro e prospettive. SHERWOOD – Foreste ed Alberi Oggi 8: (8) 55-60
- Coaloa D.** 2000. Prezzi indicativi del legno di pioppo 1999-2000. SHERWOOD - Foreste ed Alberi Oggi - l'Emporio di Sherwood 6: (7) p. 14 [It]
- Coaloa D., Chiarabaglio P.M.** 2000. Inventario della pioppicoltura in Emilia Romagna. Bologna; Regione Emilia-Romagna. 14 pp. + 10 tav. [It]
- Coaloa D., Chiarabaglio P.M.** 2000. Sostegno e riqualificazione della pioppicoltura in Piemonte. Quaderni della Regione Piemonte n. 20, 13-15 [It]
- Coaloa D., Chiarabaglio P.M.** 2000. La pioppicoltura in Piemonte. L'Informatore agrario 56: (47) 53-56 [It]
- Coaloa D., Chiarabaglio P.M.** 2003. Corridoi ecologici nella pianura lombarda. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 2 pp. [It]
- Confalonieri M., Balestrazzi A., Bisoffi S., Carbonera D.** 2003. *In vitro* culture and genetic engineering of *Populus* spp.: synergy for forest tree improvement. Plant Cell Tissue and Organ Culture 73: 109-138 [En]

- Confalonieri M., Belenghi B., Balestrazzi A., Negri S., Facciotto G., Schenone G., Delledonne M.** 2000. Transformation of elite white poplar (*Populus alba* L.) cv. 'Villafranca' and evaluation of herbicide resistance. *Plant Cell Reports* 19: 978-982 [En]
- Confalonieri M., Reggi S., Anfosso L., Balestrazzi A., Calligari P., Bongiorno C., Fogher C.** 2002. Genetic transformation of white poplar (*Populus alba* L.) with a Vitreoscilla hemoglobin (vhB) - encoding gene and evaluation of growth rate and biomass production [Abstract]. In: 10th IAPTC&B Congress Plant Biotechnology 2002 and beyond. A Celebration and Showcase. Orlando (Florida) USA, June 23-28 2002. p. 65-A
- Confalonieri M., Sparvoli F., Balestrazzi A., Calligari P., Bollini R.** 2000. Transformation of elite white poplar (*Populus alba* L.) with stilbene synthase-encoding gene using *Agrobacterium tumefaciens* [Poster][Abstract]. In: 21st Session of the International Poplar Commission (IPC 2000) Poplar and Willow culture: Meeting the Needs of Society and the Environment [Isebrands, J.G.; Richardson, J. comps.] Gen. Tech. Rep. n. NC 215, p. 39 [En]
- Corona P.M., Chiarabaglio P.M., Chirici G., Coaloa D., Travaglini D.** 2002. Stima di alberature e frangivento tramite campionamento per intersezione lineare (1). *L'Italia Forestale e Montana* 57: (3) 276-292 [It]
- Cristaldi L., Picco F.** 2000. Flora vascolare e vegetazione di Fontana Gigante (Tricerro Vercelli). Presentato al Convegno 'Botanica delle zone umide' Vercelli 10-11 Novembre 2000. [It]
- Delledonne M., Allegro G., Belenghi B., Balestrazzi A., Picco F., Zelasco S., Calligari P., Confalonieri M.** 2000. Trasformazione genetica di *Populus alba* L. con cistatina di *Arabidopsis thaliana* ed analisi della resistenza indotta [Abstract]. In: Riunione Congiunta gruppi di Lavoro Biologia Cellulare e Molecolare e Biotecnologie e Differenziamento, Pavia, 14-16 Giugno, 2000. p. 23
- Delledonne M., Allegro G., Belenghi B., Balestrazzi A., Picco F., Levine A., Zelasco S., Calligari P., Confalonieri M.** 2001. Transformation of white poplar (*Populus alba* L.) with a novel *Arabidopsis thaliana* cysteine proteinase inhibitor and analysis of insect pest resistance. *Molecular Breeding* 7: (1) 35-42 [En]
- Diara C., Sebastiani L., Vitagliano C., Langebartels C., Sahr T., Soldatini G.F., Ranieri A., Nardi S. (Ed.), Albuzio A. (Ed.), Bottacin A. (Ed.), Carden D.E. (Ed.), Concheri G. (Ed.), Ferretti M. (Ed.), Ghisi R. (Ed.), Malagoli M. (Ed.), Masi A.** 2002. Induzione di molecole segnale in risposta ad un'esposizione acuta all' O3 in piante di pioppo. In: Atti del XX Convegno Nazionale della Società Italiana di Chimica Agraria, Padova, Italy 24-27 Settembre 2002. 403-410 [It]
- Di Baccio D., Tognetti R., Sebastiani L., Vitagliano C., Nardi S. (ed.), Albuzio A. (ed.), Bottacin A. (ed.), Carden D.E. (ed.), Concheri G. (ed.), Ferretti M. (ed.), Ghisi R. (ed.), Malagoli M. (ed.), Masi A.** 2002. Risposta di *Populus deltoides* x *P. nigra* (*P. x euramericana*) clone I-214 a dosi eccessive di zinco. In: Atti del XX Convegno Nazionale della Società Italiana di Chimica Agraria, Padova, Italy 24-27 Settembre 2002. 395-402 [It]
- Dragonero M., Chiarabaglio P.M.** 2003. Rapporti tra evoluzione orfologica dell'alveo, antropizzazione e dinamica fluviale del Po tratto Crescentino - Frassineto Po. [Poster]. Presentato al workshop 'La gestione sostenibile del territorio nei parchi fluviali' a Casale Monferrato, 7 ottobre 2003. [It]
- Facciotto G.** 2003. Short Rotation Forestry: realtà e prospettive nel panorama italiano. Presentato al Convegno 'Panoramica sulla risorsa legno-energia in Piemonte ed in Italia' nell'ambito di FORLENER, Sandigliano (BI), 25 settembre 2003. 12 pp. [It]
- Facciotto G.** 2003. Pioppo, salice, robinia come produttori di biomasse. Presentato alla Giornata di studio della Società Agraria di Lombardia 'La produzione e l'utilizzo delle biomasse vegetali' Pavia, 25.10.2003. 10 pp. [It]

- Facciotto G., Giorelli A., Allegro G., Vietto L.** 2003. I nuovi cloni di pioppo iscritti al Registro Nazionale dei Cloni Forestali. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 1 p. [It]
- Facciotto G., Minotta G., Zambruno G.P.** 2003. Analisi della produttività dei cloni di pioppo Dvina, Lena e Neva. [Abstract]. In: Società Italiana di Selvicoltura ed Ecologia Forestale, IV Congresso 'Meridiani e foreste', Università degli Studi della Basilicata, Potenza, 7-10 Ottobre 2003. Riassunti degli interventi orali e dei poster [a cura di F. Caivano e T. Girardi]. 12-13 [It]
- Facciotto G., Mughini G.** 2002. Esperienze italiane di colture forestali a turno breve con pioppo ed eucalitto. In: Biomasse agricole e forestali a uso energetico. Villa Cahen, Selva di Meana - Allerona, 28-29 settembre 2000. 66-80 [It]
- Facciotto G., Mughini G.** 2003. Modelli colturali e produttività della selvicoltura da biomassa. L'Informatore agrario 59: (10) 95-98 [It]
- Facciotto G., Mughini G., Balsari P., Airoidi G.** 2001. Effect of different methods of producing poplar cuttings on rotting ability and plant growth. [Poster]. Presentato al Convegno IUFRO 'Nursery production and stand establishment of broad-leaves to promote sustainable forest management'. Roma, 7-10 maggio 2001. [En]
- Facciotto G., Picco F.** 2000. Data sheets on *Populus Canadensis*, *P.alba* and *P.nigra*. In: Forestry Compendium Global Module [CD ROM] Wallingford, Oxford; CAB International [En]
- Facciotto G., Zenone T., Sperandio G.** 2003. Dalla colture da biomassa reddito incerto senza aiuti. L'Informatore agrario 59: (10) 91-93 [It]
- Giorelli A., Vietto L.** 2000. Una nuova malattia per la pioppicoltura italiana?. L'Informatore agrario 56: (24) 87-89 [It]
- Istituto di Sperimentazione per la Pioppicoltura.** 2002. Pioppicoltura. Produzioni di qualità nel rispetto dell'ambiente. Casale Monferrato; Diffusioni Grafiche. 76 pp. [It]
- Istituto di Sperimentazione per la Pioppicoltura.** 2002. Gli insetti parassiti del pioppo. Casale Monferrato; Diffusioni Grafiche. 64 pp. [It]
- Istituto di Sperimentazione per la Pioppicoltura.** 2003. Disciplinare di produzione integrata per il pioppo. - Relazione della Task 5, Sub-task 5.4 In: Progetto 'Ecocertificazione della pioppicoltura' (ECOPIOPPO). Available: http://www.regione.piemonte.it/montagna/pubblicazioni/dwd/eco_rel9.doc. 21 pp. [It]
- Istituto di Sperimentazione per la Pioppicoltura.** 2003. Testimone. - Relazione della Task 5, Sub-task 5.2 In: Progetto 'Ecocertificazione della pioppicoltura' (ECOPIOPPO). Available: http://www.regione.piemonte.it/montagna/pubblicazioni/dwd/eco_rel8.doc. 15 pp. [It]
- Lucchin M., Meneghetti S., Parrini P.** 2000. Fingerprinting willows using multiplex PCR-based molecular markers. In: Atti XLIV Conv. Ann. S.I.G.A., Bologna, 20-23 Settembre, p. 208.
- Martignoni B.** 2001. Sulla ereditarietà dei caratteri di resistenza alle malattie in *Salix alba*. [dissertation]. Torino, Università degli studi di Torino; 2001. 119 pp.
- Meneghetti S., Barcaccia G., De Jong H., Lucchin M.** 2002. Understanding the genome constitution of tetraploid *Salix* by genetic linkage mapping and genomic *in situ* hybridisation. In: Atti XLVI Conv. Ann. S.I.G.A., Giardini Naxos, 18-21 Settembre, 1.33.
- Meneghetti S., Barcaccia G., Paiero P., Lucchin M.** 2003. Genetic characterization of native germplasm of *Salix alba* L. from Brenta river for multiple use land reclamation. [Poster]. In: Proceedings of the XLVII Italian Society of Agricultural Genetics - SIGA Annual Congress. Verona, Italy - 24/27 September, 2003
- Meneghetti S., De Jong H., Lucchin M., Barcaccia G.** 2003. Genetic linkage mapping and genomic *in situ* hybridization shed light on polyploidy in *Salix spp.* In: Proc. Polyploidy Conference, Linnean Society, London, 27-30 April 2003.

- Meneghetti S., Paiero P., Lucchin M.** 2001. Inheritance of molecular markers in tetraploid *Salix alba* x *S. fragilis* progenies and reciprocals and inference on chromosome meiotic behaviour and genome organization. In: Atti XLV Conv. Ann. S.I.G.A., Salsomaggiore Terme, 26-29 Settembre, 5.62.
- Paganini F., Castro G.** 2000. Legno lamellare misto abete-pioppo. Mondo Legno n. 47, 46-54 [It] Serramenti & falegnameria n. 46, 52-58 [It]
- Paganini F., Castro G.** 2000. Legno lamellare misto larice-abete. Mondo Legno n. 50, 66-73 [It]
- Paganini F., Castro G.** 2001. Legno lamellare misto larice-pioppo. Mondo Legno n. 53, 38-45 [It]
- Paganini F., Castro G.** 2001. Specie legnose non tradizionali - Dieci anni di sperimentazione. In: LIGNOMECC '01, Atti del Convegno 'Progettare la durabilità. Il legno dalla materia prima al manufatto' Bolzano 17 febbraio 2001. 99-106 [It]
- Paganini C., Paganini F., Castro G.** 2000. Legno lamellare misto pioppo-eucalipto. In: Atti 1° Convegno Nazionale su 'Legno lamellare norma e progetto'. Venezia, ottobre, 1999. 88-105 [It] L'Edilizia 15: (2) 51-56 [It]
- Palestrini C., Barbero E., Allegro G., Cicottino V.** 2002. Analisi della biodiversità di Carabidae, Histeridae e Silphidae (Coleoptera) in un'area collinare del Basso Monferrato. [Poster]. Presentato a: 'La complessità in Ecologia', XII Congresso della Società Italiana di Ecologia, Urbino, 16-18 settembre 2002. [It]
- Pollone P.** 2001. Le recenti evoluzioni del mercato del pioppo. [dissertation] Torino, Università degli Studi di Torino; 2001. 210 pp.
- Ranieri A., Castagna A., Serini R., Soldatini G.F., Del Re A.A.M. (ed.), Fusi P. (ed.), Izzo R. (ed.), Nannipieri P. (ed.), Navari Izzo F. (ed.), Pinton R. (ed.), Trevisan M. (ed.), Varanini Z.** 2000. Effetti del trattamento con ozono sulla composizione e funzionalità dei tilacoidi in cloni di pioppo diversamente sensibili. In: Atti XVII Convegno Nazionale della Società Italiana di Chimica Agraria, Portoferraio, Italy, 29 September-1 October 1999. 137-142 [It]
- Ravagni S., Buresti E.** 2003. Piantagioni con pioppo e noce comune. Accrescimenti e sviluppo dopo i primi anni. SHERWOOD – Foreste ed Alberi Oggi 9: (10) 19-24 [It]
- Sabatti M., Kuzminsky E., Giordano E., Anselmi N., Mugnozza G.S.** 2000. Esperienze di rinaturalizzazione di terreni agricoli in Pianura padana mediante piantagioni forestali. Italia Forestale e Montana 55: (4) 241-252 [It]
- Sparvoli F., Giorcelli A., Balestrazzi A., Tava A., Bollini R., Confalonieri M.** 2001. Trasformazione genetica di pioppo bianco (*Populus alba* L.) con il gene codificante l'enzima stilbene sintasi di vite ed analisi dell'attività antifungina. In: Riunione congiunta gruppi di lavoro Biotecnologie e Differenziamento e Organismi geneticamente Modificati. Fano, 7-9 Giugno, 2001. p. 24 [It]
- Sperandio G., Verani S.** 2000. Piantagioni a breve rotazione per la produzione di biomassa ad uso energetico: elementi per un'analisi dei costi. SHERWOOD – Foreste ed Alberi Oggi 6: (11) 41-46 [It]
- Sperandio G., Verani S.** 2002. Eliminazione delle ceppaie di pioppo: produttività e costi dell'operazione. Mondo Macchina 11: (2) 46-49 [It]
- Spinelli R.** 2001. La raccolta del pioppeto a ciclo accorciato. L'Informatore-Agrario 57: (44) 39-41 [It]
- Spinelli R.** 2003. La raccolta del pioppo in Francia. L'Informatore Agrario 59: (10) 101-103 [It]
- Stefanini F.M., Giorcelli A., Picco F., Camussi A.** 2003. New methods for the classification of Poplar clones by means of morphological descriptors. [Poster] [Abstract]. In: Proceedings of the XLVII Italian Society of Agricultural Genetics - SIGA Annual Congress. Verona, Italy - 24/27 September, 2003. p 15 [En]

- Tremblay E., Espinosa B., Mancini D., Caprio G.** 2000. Un coleottero proveniente dal Sudamerica minaccia i pioppi. L'Informatore-Agrario 56: (48) 89-90 [It]
- Verani S., Sperandio G.** 2003. Utilizzazione del pioppeto: impiego di un diverso grado di meccanizzazione. SHERWOOD – Foreste ed Alberi Oggi 9: (4) 37-44 [It]
- Verani S., Sperandio G.** 2003. Meccanizzazione spinta per la raccolta di biomassa lungo alvei fluviali. Mondo Macchina 12: (4) 56-59 [It]
- Vietto L.** 2000. *Ex situ* conservation. Update on the EUFORGEN core collection and the database of clones. In: European forest Genetic Resources Programme (EUFORGEN) *Populus nigra* Network: Report of the sixth meeting, 6-8 February 2000, Isle sur la Sorgue, France. 26-28 [En]
- Vietto L., Bianco B.** 2003. La conservazione del pioppo nero. L'informafiume n. 14, 12-13 [It]
- Vietto L., Facciotto G., Chiarabaglio P.M., Cristaldi L.** 2003. Impiego di pioppi spontanei (*Populus nigra* e *Populus alba*) nella ricostituzione di ecosistemi forestali fluviali di pianura: il caso-studio di Isola Santa Maria. In: Conferenza Internazionale: 'Alberi e foreste nella pianura. Funzioni sociali, economiche e ambientali verso nuovi modelli di sviluppo del territorio' Milano, 1-3 ottobre 2003 [CD ROM]. 3 pp. [It]
- Vietto L., Facciotto G., Zampighi C., Gasparini C., Cristaldi L.** 2001. The use of spontaneous poplars (*Populus nigra* and *Populus alba*) in environmental restoration [Poster]. Presentato al Convegno IUFRO 'Nursery production and stand establishment of broad-leaves to promote sustainable forest management'. Roma, 7-10 maggio 2001. [En]
- Vietto L., Giorcelli A.** 2000. Le malattie del pioppo. Bologna; Calderini-Edagricole. 83 pp. [It]
- Zelasco S., Reggi S., Bisoffi S., Bongiorno C., Calligari P., Balestrazzi A., Fogher C., Confalonieri M.** 2003. Expression of the Vitreoscilla hemoglobin (Vhb)-encoding gene in transgenic white poplar: biochemical characterization and effects on plant growth rate and biomass production. [Poster] [Abstract]. SIGA XLVII Annual Congress. Scientific Programme & Poster List. Verona 24-27 September 2003 p. 22 [En]
- Zenone T.** 2002. Cedui di pioppo a turno breve per la produzione di biomassa: confronto tra cloni e densità d'impianto. [dissertation] Torino, Università degli Studi di Torino; 2002. 226 pp.

Republic of Korea

- Ahn I.S., Park Y.G., Shin D.I., Sul I.W.** 2003. Identification of excision of Ac transposable element in *P. nigra* x *maximowiczii* using *Agrobacterium*-mediated transformation. J. Plant Biotechnol. 5: 19-24.
- Ahn I.S., Park Y.G., Shin D.I., Woo S.Y., Park H.S., Choi I.W., Sul I.W.** 2003. Genetic transformation of *P. nigra* x *maximowiczii* using *Agrobacterium tumefaciens* harboring antisense OMT gene. J. Plant Biotechnol. 3: 135-140.
- Choi Y.I., Noh E.W., Han M.S., Lee J.S., Son S.H.** 2000. Detection of T-DNA border rearrangement in transgenic poplar (*Populus alba* x *P. glandulosa*). J. Plant Biol. 43:62-66.
- Choi Y.I., Noh E.W., Han M.S., Yi Y.S.** 2001. Estimation of cellular damages caused by paraquat and lead using a cell culture system. J. Plant Biotechnol. 3:83-88.
- Choi Y.I., Noh E.W., Park S.Y., Lee J.S., Lee H.S.** 2003. GA3 induced overgrowth and its effects on Morphology in x*Populus alba glandulosa*. Jour. Korean For. Soc. 92(6):615-618.
- Kim P.K., Kim S.H., Lee S.M., Cho J.H., Lee E.J. Lee.** 2003. Phytosynthetic responses of *Populus alba* x *P. glandulosa* in adaptation to 'Kimpo' Waste Landfills. Jour. Korean For. Soc. 91(1):79-87.

- Kim T.K., Lee K.J., Kim G.B., Koo Y.B.** 2000. Sensitivity of five clones of *Populus alba* × *P. glandulosa* cuttings to ozone exposure in open-top chambers in relation to their growth rates. Jour. Korean For. Soc. 89(1):105-115.
- Kim P.K., Kim S.H., Lee S.M., Lee C.H., Lee E.J.** 2003. Adaptability to the water relations of *Populus alba* × *P. glandulosa* in 'Kimpo' Waste Landfills. Jour. Korean For. Soc. 91(3):279-286.
- Koo Y.B., Kim I.S., Yeo J.K., Choi W.Y.** 2002. Growth characteristics and selection of hybrid poplar clones by disease resistance in the section Aigeiros. Jour. Korean For. Soc. 81(4):499-506.
- Koo Y.B., Kim I.S., Yeo J.K., Lee J.C., Tak W.S.** 2001. Characteristics of Korean aspen (*Populus davidiana* Dode) progenies obtained from artificial mating. Korean J. Breed. 33(4):311-317.
- Koo Y.B., Kim I.S., Yeo J.K., Lee J.C.** 2001. Growth characteristics of rooted cuttings of hybrid poplars in the Section Aigeiros. POPLARS 18:24-32.
- Koo Y.B., Yeo J.K.** 2003. The status and prospect of poplar research in Korea. J. Kor. For. En. 22(2):1-17.
- Koo Y.B., Yeo J.K., Goo G.H., Kim Y.J., Yeo I.S.** 2003. Regional adaptation test of hybrid and exotic poplar clones. Jour. Korean For. Soc. 92(6):575-580.
- Koo Y.B., Yeo J.K., Kim I.S., Kim T.S., Kim Y.J., Yeo I.S.** 2002. Adaptation test of poplar and willow clones at Kimpo Metropolitan Landfill. Jour. Korean For. Soc. 91(3):405-411.
- Kwak J.H., Oh Y.S.** 2003. Evaluation of *Populus alba* × *glandulosa* as raw material of particleboard. Jour. Korean For. Soc. 92(2):140-144.
- Lee D.S., Woo S.Y., Kim D.G., Kim P.G., Bae K.H., Lee E.J.** 2001. Absorption capacity of heavy metals and harmful elements of waste leachate using by fast growing trees. Korean Journal of Agriculture and Forest Meteorology. 3(2):81-87.
- Lee E.J., Noh E.W., Park J.I.** 2001. Comparative analysis of resistance to antibiotics in *Populus alba* × *P. glandulosa* transformed by nptII or hpt gene. Kor. J. Plant Tissue Cult. 28(5): 243-248.
- Lee I.S., Lee P.H., Son S.G., Kim C.S., Oh K.H.** 2001. Distribution and Community Structure of *Salix* Species along the Environmental Gradients in the Nam - River Watershed. Korean J. Ecol. 24(5):289-296.
- Lee J.C., Kim I.S., Yeo J.K., Koo Y.B.** 2001. Comparing of clonal sensitivity of *Populus deltoides* to atmospheric ozone with use of visible foliar injury. Jour. Korean For. Soc. 90(1):10-18.
- Park Y.G., Sul I.W., Shin D.I., Choi J.W., Park H.S.** 2001. Amino acid sequence homology of hybrid poplar O-methyltransferase involved in lignin biosynthesis. J. Plant Biotechnol. 3:131-134.
- Woo S.Y.** 2003. Absorption of Heavy Metals of Waste Leachate Using by Fast Growing Trees (2). Korean Journal of Agriculture and Forest Meteorology. 5(1):36-42.
- Woo S.Y., Lee D.S., Kim D.G., Kim P.G.** 2001. Effects of waste leachate irrigation on *Populus euramericana* and *Betula platyphylla* var. japonica seedling. Jour. Korean For.Soc. 90(1):55-62.
- Yeo J.K., Kim I.S., Koo Y.B., Kim T.S., Son D.S.** 2002. Absorption ability and tolerance to livestock waste water of poplar species and clones. J. Korean Society of Waste Management 19(8):912-920.
- Yeo J.K., Kim I.S., Koo Y.B., Kim Y.J., Joo S.H.** 2003. Growth and absorption of livestock waste water of poplar species at test plantation. J. Korean Society of Waste Management. Vol. 20(8):742-749.
- Yeo J.K., Kim I.S., Koo Y.B., Lee J.C.** 2001. Uptake and tolerance to lead in *Populus alba* × *glandulosa* and *Betula shmidtii*. Jour. Korean For. Soc. 90(5):600-607.

New Zealand

Website related to the use of poplars and willows for fodder:

<http://www.hortresearch.co.nz/projects/fodder/>

- Charles J.G., Allan D.J.** 2000. Development of the willow sawfly, *Nematus oligospilus*, at different temperatures, and an estimation of voltinism throughout New Zealand. *New Zealand Journal of Zoology* 27, 197-200.
- Douglas G.B., Walcroft A.S., Wills B.J., Hurst S.E., Foote A.G., Trainor K.D., Fung L.E.** 2001. Resident pasture growth and the micro-environment beneath young, wide-spaced poplars in New Zealand. 21 pp. Invited paper. *Proceedings of the New Zealand Grasslands Association* 63: 131-138.
- Fung L.E., Shelbourne C.J.A., Wilkinson A.G.** 2000. Poplar breeding for soil and water conservation in New Zealand: Past and present practices, future directions. Presentation to the International Poplar Symposium II, Orléans, France September 13-17, 1999.
- Granel T., Robinson B.H., Mills T.M., Clothier B.E., Green S.R., Fung L.** 2002. Cadmium accumulation by willow clones used for soil conservation, stock fodder, and phytoremediation. *Australian Journal of Soil Research* 40(8), 1331-1337.
- Hurst S., Fung L., Douglas G., Foote L.** 2001. Poplar roots on a hillslope. *WISPAS* 77(1-2).
- Hurst S.E., Walcroft A.S., Douglas G.B., Foote A.G.** 2000. Tree-pasture-soil interactions: the effects of widely spaced poplars. In *Proceedings of "Soil 2000: New Horizons for a New Century"* 3-8 December 2000, Lincoln, New Zealand.
- Madejón P., Marañón T., Murillo J.M., Robinson B.H.** 2004. White poplar (*Populus alba*) as a biomonitor of trace elements in contaminated riparian forests. *Environmental Pollution*. 132, 145-155.
- McIvor I., Hurst S., Green S., van den Dijssel C., Fung L.** 2003. Tree water use by young poplar trees growing on an erosion-prone hillslope in the Manawatu. Abstracts / New Zealand Institute of Agricultural Science & New Zealand Society for Horticultural Science convention.
- Mills T.M., Robinson B., Green S.R., Clothier B.E.** 2000. Cadmium uptake as an indicator of the phytoremediation potential of poplar and willow species. *Proceedings / New Zealand Institute of Agricultural Science and the New Zealand Society for Horticultural Science annual convention*.
- Mills T., Robinson B., Green S., Clothier B., Babbage N., Sivakumaran S., Snow V., Stanley J., Norling C., Laplane R., Thayalakumaran T., Fung L., Hurst S., McIvor I.** 2002. Phytoremediation - a long term solution for contaminated sites. Conference proceedings [CD-ROM] / Annual conference of the Waste Management Institute of New Zealand.
- Mills T., Robinson B., Green S., Clothier B., Fung L., Hurst S., McIvor I., van den Dijssel C., Norling C., Thayalakumaran T., Snow V., Marchetti M.** 2003. Containment and phytostabilisation of contaminated sites using poplar, willow and indigenous plant species. In *Environmental management using soil-pant systems*. pp 71 - 76 Eds LD Currie et al. Fertiliser and Lime Research Centre, Palmerston North.
- Robinson B.H., Mills T.M., Petit D., Fung L.E., Hurst S.E.** 2000. Trace element accumulation by poplar: Implications for its use as stock fodder. In *Proceedings of the NZ Institute of Agricultural Science and the NZ Society for Horticultural Science Annual Convention*. 2000:72-73.
- Robinson B.H., Mills T.M., Petit D., Fung L.E., Green S.R., Clothier B.E.** 2000. Natural and induced cadmium-accumulation in poplar and willow: implications for phytoremediation. *Plant and Soil* 227, 301-306.

- Robinson B., Green S., Clothier B., Thayalakumaran T., Fung L., Deurer M., van den Dijssel C., Hurst S.** 2001. Assessing phytoextraction: biogeochemical and economic viability. Proceedings of the International conference on the biogeochemistry of trace elements.
- Robinson B.H., Mills T.M., Laplane R., van der Velde M., Moreno F.N., Green S.R., Clothier B.E., Anderson C.W.N., Thayalakumaran T., Fung L., Hurst S., van den Dijssel C., Snow V.** 2002. Continuing development of phytoremediation: from conception to working technology. Proceedings of the New Zealand society of soil science golden jubilee conference. 25 – 29 November. Wellington.
- Robinson B., McIvor I., Green S., Clothier B., Fung L., Hurst S., Snow V., Thayalakumaran T., Mills T., van den Dijssel C.** (2002) Phytoremediation of degraded sites in New Zealand using poplar and willow. Proceedings of the international poplar symposium III. 26-29 August Uppsala Sweden.
- Robinson B., Green S., Mills T., Clothier B., van der Velde M., Laplane R., Fung L., Deurer M., Hurst S., Thayalakumaran T., van den Dijssel C.** 2003. Phytoremediation: using plants as biopumps to improve degraded environments. Australian journal of soil research 41(3), 599-611.
- Robinson B.H., Fernández J.E., Madejón P., Marañón T., Murillo J.M., Green S.R., Clothier B.E.** 2003 Phytoextraction: an assessment of biogeochemical and economic viability. Plant and Soil 249(1), 117-125.
- Robinson B., Green S., Mills T., Clothier B., Fung L., Hurst S., Snow V., McIvor I., Sivakumaran S., van den Dijssel C., Babbage N.** 2003. Assessment of phytoremediation as best management practice for degraded environments. Occasional report / Fertilizer and Lime Research Centre, Massey University 39-49.
- Snow V., Arnold J., Barnett J., Braaksma S., Douglas G., Fung L., Green S., Hill R., Hurst S., McIvor I., Robinson B.** 2002. Coppicing hardwoods for renovation of dairy shed effluent. In Dairy farm soil management. (Eds L D Currie and P Loganathan). Occasional report No 15. Fertilizer and Lime Research Centre Massey University, Palmerston North, New Zealand. pp 301-306.

We have also published annual client reports to the River Managers Group (2002/41, 2003/52, 2003/6277) and the Willow and Poplar Research Collective (2001/61, 2002/13, 2002/429, 2003/6276).

Serbia & Montenegro

- Andrašev S., Rončević S., Bobinac M.** 2003.: Uticaj gustine sadnje na debljinsku strukturu klonova crnih topola S 6-7 i M-1 (Sekcija *Aigeiros* (Duby). Glasnik Šumarskog fakulteta, 88: (In print).
- Galić Z., Ivanišević P., Orlović S., Klašnja B., Vasić V.** 2000. Application of multivariate analysis in the assessment of soil productivity – ecological categories for the cultivation of black poplars, Zemljište i biljka, Vol. 49, No. 3, 149-156.
- Galić Z., Ivanišević P., Orlović S., Klašnja B., Vasić V.** 2002. Soils for poplar growing in alluvial zones of lowland rivers in Vojvodina. 6th International Symposium on Interdisciplinary Regional Research - ISIRR 2002.
- Galić Z., Ivanišević P., Pekeć S.** 2004. Application of multivariate analysis in the assessment of soil productivity-ecological categories for the cultivation of black poplars, EUROSOIL 2004, Freiburg, Germany, Abstracts: 86

- Guzina V., Avramović G., Orlović S., Kovačević B.** 2001. Preservation and examination of Eastern cottonwood (*Populus deltoides* Bartr.) in the plantation of half-sib progenies. Third Balkan Conference "Study, conservation and utilisation of the forest resources" Sofia. Conference Proc.: Vol.I 411-419.
- Guzina V., Orlović S., Avramović G., Kovačević B.** 2001. Variability of European black poplar (*Populus nigra* L.) in Yugoslavia. International symposium on genetic diversity in river populations of European Black Poplar – Implications for riparian eco-system management. Szekesard, Abstracts.
- Ivanišević P., Galić Z., Orlović S.** 2004. Characteristics of soil in the floodplains river in Vojvodina, EUROSIL 2004, Freiburg, Germany, Abstracts:280.
- Ivanišević P., Galić Z., Rončević S.** 2003. Importance of the main soil fertility indicators for growing of black poplars of lowland river in Vojvodina, International Scientific Conference - 75 years of the Forest Research Institute of Bulgarian Academy of Sciences, Proceedings, Volume II, p. 173-178, Sofia, Bulgaria.
- Ivanišević P., Galić Z., Rončević S.** 2000. Black poplar productivity on soils in the middle Danube Basin, Zemljište i biljka, Vol. 49, No. 3, 141-148.
- Ivanišević P., Galić Z., Rončević S., Orlović S.** 2003. Importance of evapotranspiration in water requirement defining of black poplar. The 3rd International Workshop on Research on Irrigation and Drainage (under patronage of EurAgEng), Skopje, Republic of Makedonija, Proceedings: 143-149.
- Jodal I., Drekić M., Marković M., Poljaković Pajnik L.** 2002. Prilog poznavanju biologije i mogućnosti suzbijanja mineralna lista topole *Proleucoptera sinuella* Rtt. (Lepidoptera Leucopterae). Topola 167/168: 41-50.
- Klašnja B., Kopitović Š., Orlović S.** 2002a. Wood and bark of some poplar and willow clones as fuelwood Biomass and Bioenergy 23: 427-432, 2002..
- Klašnja B., Kopitović Š., Orlović S.** 2003b. Variability of some wood properties of Eastern Cottonwood (*Populus deltoides* Bartr.) clones. Wood Science and Technology, vol 37, No.3-4: 331-337, 2003.
- Klašnja B., Kopitović Š., Orlović S., Galić Z.** 2001. Wood of some poplar clones as raw material for stone groundwood pulp. Third Balkan Conference "Study, conservation and utilisation of the forest resources" Sofia. Conference Proc. Vol.4: 170-177.
- Klašnja B., Orlović S., Galić Z., Pekeč S., Pilipović A.** (2003a): Main physical and chemical characteristics of wood of some poplar clones. International Conference "Chemical Technology of Wood Pulp and Paper", 299-304, Bratislava, septembar 2003.
- Klašnja B., Orlović S., Galić Z., Pilipović A., Marković M.** 2002c. Short rotation and high plant density poplar plantations for energy production 12th European Conference and Technology Exhibition on Biomass for Energy, Industry and Climate Protection, Conference Proceedings: 223-226, Amsterdam 2002.
- Klašnja B., Rončević S., Andrašev S., Galić S.** 2002b. Short rotation plantations of fast growing broadleaf tree species as the source of renewable energy raw material. 6th International Symposium on Interdisciplinary Regional Research - ISIRR 2002.
- Klašnja B., Orlović S., Drekić M., Marković M.** 2004b. Wood of selected black poplar clones for groundwood production. 2nd World Conference and Technology Exhibition on Biomass for Energy, Industry and Climate Protection. Proceedings: (in prints).
- Klašnja B., Orlović S., Drekić M., Marković M.** 2003c. Energy production from short rotation poplar plantations. 7th International Symposium on Interdisciplinary Regional Research - ISIRR : 353-358.
- Klašnja B., Orlović S., Galić Z.** 2004a. Chemical composition variability of juvenile wood of selected poplar clones. Drevarsky Vyskum (in print).

- Kovačević B., Guzina V., Orlović S.** 2001. Cutting's rooting ability for clones of section *Aigeiros*. Third Balkan Scientific Conference, "Study, conservation and utilisation of the forest resources" Sofia. Conference Proceedings Vol II: 162-172
- Marković J., Rončević S., Andrašev S.** 2002. Selection of silvicultural type of poplar plantations for biomass production. 12th European Conference and Technology Exhibition on Biomass for energy, Industry and Climate Protection, Amsterdam
- Orlović S., Klačnja B., Kovačević B., Pekeč S., Pilipović A.** 2003. Selection of black poplars (Section *Aigeiros* DUBY) for special purpose production of wood for pulp and paper. International Conference "Chemical Technology of Wood Pulp and Paper", Bratislava septembar 2003: 309-314.
- Orlović S., Klačnja B., Kovačević B., Pekeč S., Pilipović A.** 2003. Selection of black poplars (Section *Aigeiros* DUBY) for special purpose production of wood for pulp and paper. International Conference "Chemical Technology of Wood Pulp and Paper", Bratislava septembar 2003: 309-314.
- Orlović S., Pajević S., Krstić B., Kovačević B.** 2001. Genetic and phenotypic correlation of physiological and growth parameters of poplar clones. *Genetika* 3:53-64
- Orlović S., Pajević S., Krstić B., Kovačević B.** 2001. Genetic and phenotypic correlation of physiological and growth parameters of poplar clones. *Genetika* vol.33, No.3: 53-64.
- Orlović S., Pilipović A., Poljaković Pajnik L.** 2003. Black Poplars and Leuce in Serbia and Montenegro. EUFORGEN *Populus nigra* Network Meeting, Berlin, Proceedings
- Orlović S., Rončević S., Marković S.** 2002. Forests as the natural and renewable resource In the function of the development of the Pannonian plain countries. 6th International Symposium on Interdisciplinary Regional Research ISSIR, CD.
- Pilipović A., Klačnja B., Orlović S.** 2003. Uloga topola u fitoremedijaciji zemljišta kontaminiranih trihloretenom. (Role of poplar in soil fitoremediation contaminated with TCE) XV Simpozijum JDFB, Vrdnik, Program i izvodi saopštenja 38
- Poljaković-Pajnik L., Drekić M., Vasić V.** 2003. Ispitivanje efikasnosti preparata Actara 25-WG za suzbijanje *Chrysomela populi* L. Topola 171-172:81 - 89
- Poljaković-Pajnik L., Milanović B.** 2000. Površine i intenzitet napada gubara te njegov fertilitet i mortalitet u stadijumu jaja na području Vojvodine 1999/2000. XI Jugoslovenski simpozijum o zaštiti bilja i Savetovanje o primeni pesticida, Zbornik rezimea: 89.
- Poljaković-Pajnik L., Avramović G., Pap P., Orlović S., Galić Z.** 2000. Važniji štetni insekti i parazitne gljive u rasadnicima Vojvodine. XI Jugoslovenski simpozijum o zaštiti bilja i Savetovanje o primeni pesticida, Zbornik rezimea: 87.

Spain

La relación de todas las publicaciones que sobre diferentes aspectos de la populicultura han sido publicadas o presentadas a distintos congresos y reuniones científicas españolas o extranjeras durante el período 2000 a 2003, es la que s.e.u.o. aparece en las próximas líneas ordenada alfabéticamente.

- Agúndez D., Fluch S., Alba N., Maestro C.** 2001. Introgresión Genética procedente de plantaciones de híbridos en rodales naturales de *Populus nigra*. III Congreso Forestal Español Granada, 25-28 Septiembre 2001.Vol.II: 546-552.
- Alba N.** 2000. Conservación de recursos genéticos del Género *Populus* en España. Investigación Agraria: Sistemas y Recursos Forestales Fuera de Serie n^o2: 45-58.

- Alba N., Agúndez D.** 2000. Characterisation of *Populus alba* L. by isozymes. *Investigación Agraria: Sistemas y Recursos Forestales* 9: 305-315.
- Alba N., Agúndez D., Alía R., Padró A.** 2000. Genetic variation in *P. Alba*. A comparison between isoenzymatic and phenotypic traits. 21 Sesión de la Comisión Internacional del Álamo (IPC, 2000). Pórtland (Oregón-EEUU).
- Alba N., Maestro C., Agúndez D.** 2001. La Conservación de los Recursos Genéticos en la Populicultura. I Simposio del Chopo: Zamora, 9-11 Mayo 2001. Ed. Junta de Castilla y León. p: 391-400.
- Alba N.** 2001. Variabilidad genética de *Populus alba* L. Mediante caracteres isoenzimáticos y fenotípicos. Aplicación a la selección y conservación de recursos genéticos. ETSI Montes. Dpto. Silvopascicultura. Universidad Politécnica Madrid, Madrid.
- Alba N., Agúndez D., Alía R., Padró A.** 2001. Estudio comparativo de diversidad genética entre caracteres isoenzimáticos y fenotípicos en *Populus alba*. Pages 533-538. III Congreso Forestal Español, Granada (España).
- Alba N., Maestro C., Agúndez D.** 2001. La conservación *ex situ* de los recursos genéticos en la populicultura. I Simposio del Chopo, Libro de actas, pp. 391-400. Zamora, 9-11 mayo 2001.
- Alba N., Maestro C., Agúndez D., Notivol E.** 2002. "Advances in the preservation of *Populus nigra* L. In Spain". Proceedings of an International Symposium: Genetic diversity in river populations of European Black Poplar. Implications for riparian eco-system management. Szekszard, Hungary, 16-20 May 2001, B.van Dam and S.Bordacs eds. p:125-136.
- Álvarez A., Cervera M.T., Agúndez D., Alba N., González Antoñanzas F., Martínez Zapater J.M., Grau J.M.** 2000. Identification of different comercial clones of *Populus* using AFLPS. 21 st session of the International Poplar Comission (IPC 2000) 24-30 September 2000, Portland, Oregon, USA. General Technical Report NC-215. North Central Research Sation. Foret Service. United States Departament of Agriculture.
- Álvarez A., Cervera M.T., Agúndez D., Alba N., González Antoñanzas F., Zapater J.M., Grau Corbí J.M.** 2001. Aplicación de la técnica AFLPs para identificación de clones del género *Populus*. I Simposio del Chopo, Libro de actas, pp. 381-390. Zamora, 9-11 mayo 2001.
- Baonza Merino M.V., Gutiérrez Oliva A.** 2000. *Populus* clones veneer yield and quality along trunk. Proceedings: 21st Session International Poplar Commission (IPC), Portland – Oregon, septiembre 2000.
- Baonza Merino M.V., Gutiérrez Oliva A.** 2001. Características morfológicas de los troncos de diferentes clones de chopos. Actas del I Simposio del chopo, Zamora 9-11 de Mayo de 2001
- Baonza Merino M.V., Gutiérrez Oliva A.** 2002. Rendimiento y calidades de chapa de clones de chopo a diferentes alturas del fuste. *Rev. Investigación Agraria: Sistemas y Recursos Forestales* 11(2):311-323.
- Bueno M.A., Manzanera J.A., Grau J.M., Sánchez M., Gómez A.** 2001. Propagación *in vitro* de *Populus tremula* L. y *Populus alba* L. I Simposio del chopo. Volumen extra: Populicultura en Castilla y León. Capitulo 2, pp. 27-51. Zamora, 9-11 mayo 2001.
- Bueno M.A., Manzanera J.A., Grau J.M., Sánchez M., Gómez A.** 2001. Marcadores moleculares de ADN en *Populus* sp. I Simposio del chopo. Volumen extra: Populicultura en Castilla y León. Capitulo 3, pp. 53-79. Zamora, 9-11 mayo 2001.
- Cottrel J.E., Tabbener H.E., Milner A., Connelly T., Storme V., Boerjan W., Vanden Broeck A., Ivens B., Halfmaerten D., Van Slycken V., Castiglione S., Grassi F., Fossati T., Lefevre F., Imbert E., Fluch S., Krystufek V., Burg K., Bordacs S., Gebhardt K., Vornam B., Pohl A., Alba N., Bovenschen J., Van Dam B.C., Van Der Schoot J., Vosman B., Smulders M.J.M.** 2003. Chloroplast DNA variation in 637 trees of *Populus nigra* L. held in *ex situ* conservation genebanks in nine European countries (in press).

- García R., Alba N., Sixto H.** 2001. Caracterización morfológica en plantas de vivero de *Populus Alba* L. del S. E. español. I Simposio del Chopo, Libro de actas, pp. 123-130. Zamora, 9-11 mayo 2001.
- Gil Pérez A., Grau Corbí J.M., González Antoñanzas F.** 2003 Comportamiento de distintos clones de chopo en la ribera del río Jarama (Torrelaguna, Madrid) al final del turno de explotación. Rev. Montes (tercer trimestre de 2003) nº73, pág. 9-14.
- Gómez A., Manzanera J.A., Aguiriano E., Grau J.M., Bueno M.A.** 2003. SSR Markers for Monitoring an *in vitro* Core Collection of *Populus tremula*. *Silvae Genetica* 52, 5-6.
- González Antoñanzas F., Grau J.M.** 2000. Cultivo de chopo en vivero. E. U. I. Técnica Forestal. Universidad Politécnica de Madrid / CIFOR-INIA. Publicación de Carácter científico-divulgativo 42 pp. Abril 2000. Madrid.
- González Antoñanzas F., Grau J.M., Sixto H., Montoto J.L.** 2000. Comparison of new *P. x interamericana* clones in medium altitude areas in Spain. In: J.G. Isebrands and J. Richardson. (Ed.) *Proceedings 21 Sesión de la Comisión Internacional del Alamo*. (IPC 2000) Volumen I, pp. 63. Portland (Oregón), 25-30 Sept.
- González Antoñanzas F., Grau Corbí J.M., Montoto Quinteiro J.L.,** 2001. Comparación de nuevos clones de chopo productivos de *P. x euramericana* para zonas de ribera de las cuencas de los ríos Duero y Tajo. III Congreso Forestal Español. Libro de actas vol. 3 pp. 763-769. Granada. 25-28 septiembre 2001.
- González Antoñanzas F., Grau J.M., Montoto J.L., Montes P.** 2001. Ensayos comparativos de los últimos y más modernos clones de chopo como alternativa de cultivo en terrenos agrícolas de la cuenca del río Tajo. I Simposio del Chopo, Libro de actas, pp. 317-324. 9-11 mayo 2001. Zamora, 9-11 mayo 2001.
- González Antoñanzas F., Grau J.M., Sixto H., Montoto J.L.** 2001. Comparación de nuevos clones de *P. x interamericana* en terrenos de media montaña. I Simposio del Chopo, Libro de actas, pp. 309-316. Zamora 9-11 mayo 2001.
- González Antoñanzas F., Grau Corbí J.M., Montoto Quinteiro J.L., Hernández Alonso E.** 2001. Populicultura sostenible: once años de una nueva populicultura para la recuperación de tierras abandonadas por la agricultura tradicional en ecologías difíciles para el género *Populus*. I Simposio del Chopo, Libro de actas, pp. 131-138. Zamora, 9-11 mayo 2001.
- González Antoñanzas F., Grau Corbí J.M., Montoto Quinteiro J.L., Domingo García P.** 2001. Populicultura intensiva en terrenos de ribera: investigaciones sobre técnicas de cultivo y de comparación de clones de chopo en la cuenca del río Duero. I Simposio del Chopo. Volumen extra: Populicultura en Castilla y León. Capítulo 4, pp. 81-109. Zamora, 9-11 mayo 2001.
- Grau J.M., González Antoñanzas F., Sixto H., Hernández E.** 2000. Comparison of known poplar clones in medium altitude areas in Spain. In: J.G. Isebrands and J. Richardson. (Ed.) *Proceedings 21 Sesión de la Comisión Internacional del Alamo*. (IPC 2000) Volumen I, pp. 65. Portland (Oregón), 25-30 Sept.
- Grau J.M., González Antoñanzas F., Sixto H., Hernández E.** 2001. Comparación de clones de chopo clásicos de *P. x interamericana* para ecologías difíciles de media montaña en terrenos abandonados por la agricultura tradicional. I Simposio del Chopo, Libro de actas, pp. 325-332. Zamora, 9-11 mayo 2001.
- Grau J.M., González Antoñanzas F.** 2002. Resultado de los ensayos del CIFOR de INIA con clones catalogados y no catalogados del género *Populus* en España". I Jornadas del Chopo Valle del Tiétar. Valverde de la Vera. Cáceres.
- Grau J.M.** 2003. Tipos de MFR y legislación asociada: *Populus*. Curso de doctorado de Mejora Genética forestal. ETSIM. Mayo 2003.
- Grau Corbí J.M.** La necesidad de Ampliación del Catálogo Nacional de clones de chopo. Revista forestalis en Castilla y León (FAFCYLE) N° 00 pp. 14-15.

- Gutiérrez Oliva A., Baonza Merino M.V.** 2000. Wood properties from 12 clones of the poplars grown in the province of Zaragoza (Spain). Proceedings: 21st Session International Poplar Commission (IPC), Portland – Oregon, septiembre 2000.
- Gutiérrez Oliva A., Baonza Merino M.V.** 2001. Propiedades físicas de la madera de diferentes clones de chopo. Actas del I Simposio del chopo, Zamora 9-11 de Mayo de 2001
- Lalinde F., Pereira I., Alba N., Fdez-Cancio A.** 2000. Caracterización fitoclimática de *Populus tremula*. Reunión del Grupo de la SECF “El cambio climático y sus implicaciones en la gestión Forestal”, Soria (España).
- Maestro C., Notivol E., Plana L.** 2001. Resultados preliminares de la introducción experimental de nuevos clones de chopo italianos y españoles en el valle del Cinca (Huesca). I Simposio del Chopo: Zamora, 9-11 Mayo 2001. Ed. Junta de Castilla y León. p: 411-415.
- Maestro C., Alba N.** 2003. Progress on national activities on gene conservation of *Populus nigra* and *Populus alba* in Spain. 8th EUFORGEN *Populus nigra* Network Meeting, 22-24 May 2003, Frankfurt (Oder), Germany.
- Maestro C., Alba N.** 2001. Progress on national activities on gene conservation of *Populus nigra*- Spain.. Seventh EUFORGEN P. nigra Network Meeting. Osijek, Croatia, 25-27 October 2001
- Maestro C., Alba N., Agundez D.** 2001 Conservación *Ex situ* de *Populus nigra* en España: Caracterización morfológica e isoenzimática de las colecciones establecidas. Actas I Simposio del Chopo. Zamora, 9-11 Mayo 2001. Ed. Junta de Castilla y León. p: 401-409.
- Montoto J.L., Grau J.M., González Antoñanzas F., Hernández E.** 2001. Primeros resultados obtenidos en la comparación de clones de chopo a 1000 m de altitud en terrenos abandonados por la agricultura tradicional. I Simposio del Chopo, Libro de actas, pp. 333-339. Zamora, 9-11 mayo 2001.
- Sánchez N., Grau J.M., Alba N., Manzanera J.A., Bueno M.A.** 2000. Genetic characterization of *Populus tremula* regions of origin in Spain Using RAPD Fingerprints. *Silvae Genetica* 49, 2 (2000) pp. 66-71.
- Sánchez N., Manzanera J.A., Bueno M.A.** 2001 Resistencia de yemas de álamo blanco a antibióticos. I Simposio del Chopo, Libro de actas, pp. 357-364. Zamora, 9-11 mayo 2001.
- Sierra de Grado R.** 2003. Coordinadora: El Álamo Temblón (*Populus tremula* L.) Ediciones Mundi-Prensa, Madrid.
- Sixto H., Grau J.M., Ferrer A., González Antoñanzas F.** 2000. Response to salinity in *Populus*. In: J.G. Isebrands and J. Richardson. (Ed.) *Proceedings 21 Sesión de la Comisión Internacional del Alamo*. (IPC 2000) Volumen I, pp. 165. Portland (Oregón), 25-30 Sept.
- Sixto H., Grau J.M., Montoto J.L., Alba N.** 2001a. Comportamiento de diferentes clones de *Populus alba* y de *P. deltoides* x *P. alba* a tratamientos salinos. III Congreso Forestal Español. Libro de actas vol. 3 pp. 335-341. Granada. 25-28 septiembre 2001.
- Sixto H., Grau J.M., Montoto J.L., Ruiz V., García-Baudín J.M.** 2001b. Respuesta clonal a herbicidas en el género *Populus*. I Simposio del Chopo, Libro de actas, pp. 365-372. Zamora, 9-11 mayo 2001.
- Sixto H., Ruiz V., Grau J.M., Montoto J.L.** 2001c. Primeros resultados de un ensayo de riego en vivero de planta de chopo. I Simposio del Chopo, Libro de actas, pp. 159-166. Zamora, 9-11 mayo 2001.
- Sixto H., Grau J.M., García-Baudín J.M.** 2001d. Assessment of the effect of broad-spectrum pre-emergence herbicides in poplar nurseries. *Crop Protection* 20, 121-126.
- Sixto H., Grau J.M., García-Baudín J.M.** 2002a. Control de malas hierbas en viveros de chopo mediante la aplicación de herbicidas. *Investigación Agraria Sistemas y Recursos Forestales*. Volumen: 11(1) pp. 97-106.
- Sixto H., Grau J.M., Montoto J.L., García-Baudín J.M., Ruiz V.** 2002b. Aplicación de herbicidas sobre plantas de chopo de dos años. *Phytoma*. Volumen 141. pp. 54-56.

- Sixto H., Grau J.M., Montoto J.L., García-Baudín J.M., Ruiz V.** 2002c. El herbicida oxifluorfen en cultivo de estaquillas en vivero. *Vida Rural*. Volumen 154. pp. 58-59.
- Sixto H., Grau J.M., García-Baudín J.M.** 2003. Respuesta del clon "I-214" (*P. x euramericana*) a oxifluorfen. Actas del IX Congreso de la Sociedad Española de Malherbología. Pág. 260-264. Barcelona.
- Traver C., Puertas F.** 2001. Detección de pulgón lanífero del chopo (*Phloeomyzus passerinii* Sign) en Navarra. Medidas de control. Actas I Simposio del chopo. Zamora pp 263-270.
- Zuloaga F., Grau J.M., González Antoñanzas F., Montoto J.L., Montes P.** 2001. El Populetum de la Sierra de Pela, a 1400 m de altitud, en el término municipal de Campisábalos, en la provincia de Guadalajara. I Simposio del Chopo, Libro de actas, pp. 193-200. Zamora, 9-11 mayo 2001.

Sweden

List of publications from the Department of Short Rotation Forestry. 2000-2004. Most of the publications listed below can be ordered from the Department of Short Rotation Forestry. Reports published by the Sections will be invoiced, the cost depending on the number of pages. Concerning the other reports of interest, please contact the author(s) at the address given below. Address: Department of Short Rotation Forestry, Swedish University of Agricultural Sciences, Box 7016, S-750 07 Uppsala, Sweden - Fax: +46 18 673440, Tel: 46 18 672551

- Adler A., Verwijst T., Aronsson P.** 2004. Estimation and relevance of bark proportion in a willow stand. *Biomass and Bioenergy*. In press.
- Aronsson P.** 2000. Nitrogen retention in vegetation filters of short-rotation willow coppice. Doctoral Thesis. *Acta Universitatis Agriculturae Sueciae, Silvestria* 161.
- Aronsson P., Perttu K.** 2000. Vegetationsfilter av pil för rening av avloppsvatten. In: Jorgensen, U. (red.). *Indlaeg ved seminariet: 'Har energiafgrøder en fremtid i Danmark?'* Ministeriet for Fodevarer, Landbrug og Fiskeri, Danmarks JordbrugsForskning, DJF rapport 29 Markbrug, pp. 105-113.
- Aronsson P., Perttu K.** 2000. Willow vegetation filters for waste treatment and soil remediation combined with biomass production. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). *Poplar and willow culture: Meeting the needs of the society and the environment*. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 8.
- Aronsson P., Bergström L., Elowson S.** 2000. Long-term influence of intensively cultured short-rotation willow coppice on nitrogen concentrations in groundwater. *Journal of Environmental Management* 58, 135-145.
- Aronsson P.G.** 2001. Dynamics of nitrate leaching and ¹⁵N turnover in intensively fertilized and irrigated basket willow grown in lysimeters. *Biomass and Bioenergy* 21:143-154.
- Aronsson P.G., Bergström L.F.** 2001. Nitrate leaching from lysimeter-grown short-rotation willow coppice in relation to N-application, irrigation and soil type. *Biomass and Bioenergy* 21:155-164.
- Aronsson P., Perttu K.** 2001. Willow vegetation filters for wastewater treatment and soil remediation combined with biomass production. *The Forestry Chronicle* 77(2):293-299.

- Aronsson P., Perttu K.** 2002. Vegetation filters in Sweden – a short communication. In: Bartle, J.R. (Ed.). IEA, Bioenergy: Task 17. Proceedings of the fourth meeting of IEA, Bioenergy, Task 17, held at Albany, Western Australia 7-9 March, 2000. Department of Conservation and Land Management, pp. 43-45.
- Aronsson P., Christersson L., Perttu K.** 2002. Wastewater treatment and soil remediation using willow coppice. In: IEA, Bioenergy: Task 17. Short Rotation Crops for Energy Purpose. Proceedings from the last meeting of IEA, Bioenergy Task 17 in the Netherlands and Sweden, 11-16 December, 2000. (Ed. Christersson and Kuiper). Rep. 70. Dept. of Short Rotation Forestry, Uppsala, Sweden.
- Aronsson P., Heinsoo K., Perttu K., Hasselgren K.** 2002. Spatial variation in above-ground growth in unevenly wastewater-irrigated willow *Salix viminalis* plantations. Ecological Engineering 19:281-287.
- Baum C., Weih M., Verwijst T., Makeshin F.** 2002. The effects of nitrogen fertilization and soil properties on mycorrhizal formation of *Salix viminalis*. Forest Ecology and Management 160:35-43.
- Bollmark L.** 2000. Accumulation and mobilisation of nutrient reserves in *Salix viminalis*. Doctoral Thesis. Acta Universitatis Agriculturae Sueciae, Silvestria 155.
- Borg Christina.** 2000. Productivity of Swedish and Alaskan dwarf birch (*Betula nana*) under different nutrient conditions. Swed. Univ. Agric. Sci., Dept. of Short Rotation Forestry, Rep 66.
- Carlander A., Aronsson P., Allestam G., Stenström T.A., Perttu K.** 2000. Transport and retention of bacteriophages in two types of willow-cropped lysimeters. Journal of Environmental Sciences and Health , A35(8), 1477-1492.
- Carlander A.** 2002. Occurrence, reduction and risks of faecal pathogen transmission during wastewater irrigation of willow vegetation filters. Rep. 69. Dept. of Short Rotation Forestry, Uppsala, Sweden.
- Carlquist C.G.** 2000. Red. Perttu, K. Skogsförnyring. Del I: Högen som markbehandlingsmetod vid skogsodling. Del II: Beståndsanläggning med hänsyn till klimatet på kalhygge och i bestånd i Norrlands inland. Sveriges Lantbruksuniversitet, Inst. för lövträdsodling, Rep. 67.
- Christersson L.** 2000. Cultivation of American poplars in Sweden. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. §September 24 – 28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 36.
- Christersson L.** 2002. Cultivation of American poplars and aspen in Sweden. Potentials and some results. In: Proceedings from the last meeting of IEA, Bioenergy, Task 17 in the Netherlands and Sweden, 11-16 December, 2000. (Ed. Christersson and Kuiper). Rep. 70. Dept of Short Rotation Forestry, Uppsala Sweden.
- Christersson L., Kuiper L.** 2002. IEA Bioenergy: Task 17. Short Rotation Crops for Energy Purpose. Proceedings from the last meeting of IEA, Bioenergy, Task 17 in the Netherlands and Sweden, 11-16 December, 2000. Rep. 70. Dept. of Short Rotation Forestry, Uppsala, Sweden.
- Christersson L.** 2003. Artrikedomen och miljöproblemen. UNT-debatt.
- Christersson L.** 2003. Politiken ingår i helhetsbilden. UNT-debatt.
- Christersson L.** 2003. Skall Sverige bli Europas nationalpark? UNT-debatt.
- Christersson L.** 2003. Short Rotation Forestry - a discussion paper on terminology and definitions. Souvenir, International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development. Dr Y.S. Parmar University, Nauni, Solan-173 230, HP. India.

- Christersson L., Vermar K.S.** 2003. Short Rotation Forestry---An alternative silviculture.--- Souvenir, International Conference on World Perspective on Short Rotation Forestry for Industrial and Rural Development. Dr Y.S. Parmar University, Nauni, Solan-173 230, HP. India.
- Christersson L.** 2004. Bush, Putin och Gränbys salamandrar. UNT 2004-03-03.
- Christersson L.** 2004. Högberg(lund) och kometerena. UNT 2004-04-22
- Christersson L.** 2004. Plant physiological aspects of woody biomass production for energy purpose. In Wood Energy in the Industrial World. Present Status and Potential Contribution to CO₂ Mitigation.- Technology, Economy and Policy Issues, (ed. G.H.Kohlmaier). Proceedings from a Workshop in Graz, Austria 19-20 November 1999- Updated May 2004.
- Christersson L.** 2004. Popplar skyggar Punjabs grödor. Forskning o Framsteg. Sep. 6.
- Dimitriou J.** 2000. Nitrogen leaching from Short-Rotation Willow Coppice after intensive irrigation with wastewater. Swed. Univ. Agric. Sci., Dept. of Short Rotation Forestry, Rep 68.
- Dimitriou I., Aronsson P.** 2003. Wastewater phytoremediation treatment systems in Sweden using short rotation willow coppice. In: Proc. 2003 IEA Bioenergy, Short Rotation Crops for Bioenergy, IEA Task 30 Conference, December 1st-5th, 2003, Tauranga, New Zealand.
- Dimitriou I., Aronsson P., Weih M.** 2003. Evaluation of stress factors after irrigation of willow with landfill leachate. In: Proc. Ninth International Waste Management and Landfill Symposium, S. Margherita di Pula, Cagliari, Italy, 6-10 Oct. 2003.
- Dimitriou I., Aronsson P.** 2004. Nitrogen leaching from short-rotation willow coppice after intensive irrigation with wastewater. Biomass and Bioenergy 26:433-441.
- Embaye K., Christersson L., Ledin S., Weih M.** 2002. Bamboo as bioresource in Ethiopia: management strategy to improve seedling performance (*Oxytenanthera abyssinica*). Bioresource Technology. (In press).
- Embaye K.** 2003. Ecological aspects and resource management of bamboo forests in Ethiopia. Doctoral Thesis. Swedish University of Agricultural Sciences. Acta Universitatis Agriculturae Sueciae, Silvestria 273.
- Embaye K., Christersson L., Ledin S., Weih M.** 2003. Bamboo as bioresource in Ethiopia: management strategy to improve seedling performance (*Oxytenanthera abyssinica*). Bioresource Technology 88: 33-39.
- von Fircks Y.** 2000. Distribution and Seasonal Variation of Macro-nutrients, Starch and Radio-nuclides in Short Rotation *Salix* Plantations. Doctoral Thesis. Acta Universitatis Agriculturae Sueciae, Silvestria 171.
- von Fircks Y., Rosen K., Sennerby-Forsse L.** 2000. Uptake and accumulation of radio-caesium in *Salix* plantations on contaminated agricultural soils. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 200.
- von Fircks Y.** 2001. Distribution and seasonal variation of macro-nutrient, starch and radio-nuclides in short rotation *Salix* plantations. Doctoral thesis. Swedish University of Agricultural Sciences. Acta Universitatis Agriculturae Sueciae. Silvestria 171.
- von Fircks Y., Ericsson T., Sennerby-Forsse L.** 2001. Seasonal variation of macro-nutrients in *Salix dasyclados* Wimm. Grown at two nutrient levels. Biomass and Bioenergy 21:321-334.
- von Fircks Y., Rosén K., Sennerby-Forsse L.** 2002. Uptake and distribution of ¹³⁷Cs and ⁹⁰Sr in *Salix viminalis* plants. Journal of Environmental Radioactivity 63:1-14.
- Glynn C., Rönberg-Wästljung A.C., Julkunen-Tiito R., Weih M.** 2004. Willow genotype, but not drought treatment, affects foliar phenolic concentrations and leaf-beetle resistance. Entomologia Experimentalis et Applicata (in press)

- Hoffmann D., Weih M.** 2004. Limitations and improvement of the potential utilisation of woody biomass for energy derived from short rotation woody crops in Sweden and Germany. *Biomass and Bioenergy* (in press)
- Jonsson M., Dimitriou I., Aronsson P., Elowsson T.** 2004. Effects of soil type, irrigation volume and plant species on treatment of log yard run-off in lysimeters. *Water Research* 38:3634-3642.
- Karacic A.** 2000. Allometrics and growth potential of hybrid poplar and hybrid aspen in Sweden. In: Isebrands, J.G. and Richardson, J. -(Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 89.
- Karacic A., Verwijst T., Weih M.** 2003. Aboveground biomass production of short rotation *Populus* plantations on agricultural land in Sweden. *Scandinavian Journal of Forest Research* 18: 427-437.
- Karlsson P.S., Eckstein R.L., Weih M.** 2000. Seasonal variation in 15N natural abundance in subarctic plants of different life-forms. *Ecoscience* 7:365-369.
- Karlsson P.S., Schleicher L.F., Weih M.** 2000. Seedling growth, allocation patterns and nitrogen utilisation in three birch forms originating from different environments. *Ecoscience* 7:80-85.
- Karlsson P.S., Weih M.** 2001. Soil temperatures near the distribution limit of the mountain birch: implications for seedling nitrogen economy and survival. *Arctic Antarctic and Alpine Research* 33:88-92.
- Karlsson P.S., Weih M.** 2003. Long-term pattern of leaf, shoot and wood production after insect herbivory in the mountain birch. *Functional Ecology* 17:841-850.
- Karlsson P.S., Weih M.** 2003. Mountain birch productivity. In: Laine K., Skre O. and Wielgolaski F.-E. (eds.) *Human Interactions with the Mountain Birch Ecosystem: Implications for Sustainable Development (HIBECO)*. Final report for the EU project EU FP5, QLK5-CT-1999-01515, p. 112.
- Karlsson P.S., Weih M.** 2004. Mountain birch growth in relation to climate and herbivores. In: Wielgolaski F.E. (ed.) *Production and Sustainable Use of the Fennoscandian Mountain Birch*. Ecological Studies Vol. 00. New York, Springer. (in press)
- Karlsson P.S., Tenow O., Bylund H., Hoogesteger J., Weih M.** 2004. Determinants of mountain birch growth in situ: effects of temperature and herbivory. *Ecography* 27: 659-667.
- Klang-Westin E., Perttu K.** 2002. Effects of nutrient supply and soil cadmium concentration on cadmium removal by willow. *Biomass and Bioenergy* 23:415-426.
- Larsson S., Cuingnet C., Clause P., Jakobsson I., Dawson M., Backlund A., Mavrogianopoulos G., Åhman I., Perttu K., Aronsson P., Rosenqvist H., Wilson F., Riddel-Black D., Stenström T., Carlander A., Hasselgren K.** 2003. Short rotation willow biomass plantations irrigated and fertilised with wastewaters. Results from a 4-year multidisciplinary field project in Sweden, France, Northern Ireland and Greece supported by the EU-FAIR Programme (FAIR-CT97-3947). Final report, 48 pp.
- Mirck J.** 2002. Different indicators of stress caused by wastewater in willow vegetation filters. Rep. 71. Dept. of Short Rotation Forestry, Uppsala, Sweden.
- Mirck J., Isebrands J.G., Verwijst T., Ledin S.** 2004. Development of short rotation willow coppice systems for environmental purposes in Sweden. Accepted for publication in *Biomass and Bioenergy*.
- Mrema F.A.** 2001. Abiotic and biotic factors influencing the performance of *Leucaena leucocephala* and *Newtonia buchananii* trees in Tanzania. Doctoral thesis. Swedish University of Agricultural Sciences. *Acta Universitatis Agriculturae Sueciae*. Silvestria 229.

- Nordh N-E.** 2000. Stand development and biomass yield in an eight-year-old willow (*Salix* spp.) clone trial. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 133.
- Nordh N.-E., Christersson L.** 2000. Förädlingsperspektiv för *Salix*. I: Jørgensen, U. (red.) Har energiafgrödor en framtid i Danmark? DJF Rapport nr.29/Markbrug, 136-143.
- Nordh N-E.** 2003. Sustainability of willow SRF during later cutting cycles. In: Proc. IEA Bioenergy, Short Rotation Crops for Bioenergy, IEA Task 30 Conference, December 1st-5th, 2003, Tauranga, New Zealand.
- Nordh N-E., Dimitriou I.** 2003. Harvest techniques in Europe. In: Proc. IEA Bioenergy, Short Rotation Crops for Bioenergy, IEA Task 30 Conference, December 1st-5th, 2003, Tauranga, New Zealand.
- Nordh N-E., Verwijst T.** 2004. Above-ground biomass assessments and first cutting cycle production in willow (*Salix* sp.) coppice—a comparison between destructive and non-destructive methods. *Biomass and Bioenergy* 27, 1-8.
- Noronha-Sannervik A.** 2003. Modelling Productivity of Willow Stands in Sweden. Doctoral Thesis. Swedish University of Agricultural Sciences. Acta Universitatis Agriculturae Sueciae, Silvestria 286.
- Noronha-Sannervik A., Kowalik P.** 2003. Annual variations in the solar energy conversion efficiency in a willow coppice stand. *Biomass & Bioenergy* 25:227-233.
- Perttu K.** 2001. Pilodling gör avloppsvattnet rent. *Miljö forskning* nr 3:28-30.
- Rytter L., Sennerby-Forsse L., Alriksson A.** 2000. Natural regeneration of grey alder (*Alnus incana* (L.) Moench) stands after harvest. *Journal of Sustainable Forestry* 10 (3/4): 287-294.
- Rytter R-M.** 2001. Biomass production and allocation, including fine-root turnover, and annual N uptake in lysimeter-grown basket willows. *For. Ecol. Manage.* 140, 177-192.
- Rönberg-Wästljung A-C., Glynn C., Weih M.** 2002. Quantitative trait loci (QTL) in *Salix* for traits related to growth and water use efficiency. In: Proc. International Poplar Symposium on Basic and Applied Aspects of Poplar and Willow Biology, Uppsala, Sweden, 26-29 Aug. 2002, p. 90.
- Statens Energimyndighet.** 2003. Förråd och flöden av kadmium i systemet mark – *Salix*. Författare: Perttu, K., Eriksson, J., Greger, M., Göransson, A., Blombäck, K., Klang-Westin, E. och Landberg, T. Energimyndigheten, SE-63104 Eskilstuna, Rep. No. ER19:2003, 102 pp., ISSN 1403-1892. (Swe., Eng. Summary).
- Verma K., Christersson L., Khurana.** 2004. Short Rotation Forestry. Biomass Production. International conference on short rotation forestry for industrial and rural development.--- IUFRO News Vol. 33, Issue 1, 2004.
- Verwijst T.** 2000. Willows: An underestimated resource for environment and society. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 193.
- Verwijst T.** 2001. Willows: An underestimated resource for environment and society. *The Forestry Chronicle*, Vol. 77, No 2:281-285.
- Verwijst T.** 2002. Short-rotation forestry for energy purposes: current development in Sweden. In: Bartle, J.R. (Ed.). IEA, Bioenergy: Task 17. Proceedings of the fourth meeting of IEA, Bioenergy, Task 17, held at Albany, Western Australia 7-9 March, 2000. Department of Conservation and Land Management, pp. 18-21.
- Verwijst T.** 2003. Short Rotation Crops in the world. In: Proc. 2003 IEA Bioenergy, Short Rotation Crops for Bioenergy, IEA Task 30 Conference December 1st-5th, 2003, Tauranga, New Zealand.

- Verwijst T.** 2003. Global Development of Short Rotation Crops for Bioenergy. In: Proc. 2003 Bioenergy Australia 2003 Conference "Sustainable Energy for our Future" December 8-10, 2003, Novotel Brighton Beach, NSW.
- Volk T.A., Verwijst T., Tharakan P.J., Abrahamson L.P., White E.H.** 2004. Are Short-Rotation Woody Crops Sustainable? Accepted for publication in: *Frontiers in Ecology*.
- Weih M.** 2000. Growth rate of mountain birch seedlings in early-successional patches: a year-round perspective. *Plant Biology* 2:428-436.
- Weih M.** 2000. Delayed growth response of mountain birch seedlings to a decrease in fertilisation and temperature. *Functional Ecology* 14:566-572.
- Weih M.** 2000. Ecological clone characterization for increased biomass production. In: Isebrands, J.G. and Richardson, J. (Eds.) 21st Session of the International Poplar Commission (IPC 2000). Poplar and willow culture: Meeting the needs of the society and the environment. September 24 –28, 2000. USDA, Forest Service, North Central Research Station. General technical report NC-215, p. 203.
- Weih M.** 2001. Evidence for increased sensitivity to nutrient and water stress in a fast-growing hybrid willow compared with a natural willow clone. *Tree Physiology* 21:1141-1148.
- Weih M., Karlsson P.S.** 2001. Variation in growth patterns among provenances, ecotypes and individuals of mountain birch. Pages 143-154 in: *Nordic Mountain Birch Ecosystems* (ed. F. Wielgolaski), Man And The Biosphere Series Vol. 27. (bunden bok, 390 sidor).
- Weih M., Karlsson P.S.** 2001. Growth response of Mountain birch to air and soil temperature. Is increasing leaf-nitrogen content an acclimation to lower air temperature? *New Phytologist* 150:147-155.
- Weih M., Karlsson P.S.** 2002. Low winter soil temperature affects summertime nutrient uptake capacity and growth rate of mountain birch seedlings in the Subarctic, Swedish Lapland. *Arctic Antarctic and Alpine Research* 34 (4).
- Weih M., Nordh N-E.** 2002. Characterising willows for biomass and phytoremediation: growth, nitrogen and water use of 14 willow clones under different irrigation and fertilisation regimes. *Biomass and Bioenergy* 23:397-413.
- Weih M., Nordh N-E.** 2002. Ecological characterisation of willow clones (*Salix* spp.): Relevance of pot study results for growth performance in the field (Central Sweden). In: Proc. International Poplar Symposium on Basic and Applied Aspects of Poplar and Willow Biology, Uppsala, Sweden, 26-29 Aug. 2002, p. 52.
- Weih M., Karacic A., Munkert H., Verwijst T., Diekmann M.** 2002. Influence of young poplar stands on floristic diversity in agricultural landscapes (Sweden). *Basic and Applied Ecology*. (In press).
- Weih M.** 2003. Short rotation forestry in boreal climate. In: Proc. 2003 Annual Meeting of the Poplar Council of Canada, Rouyn-Noranda, Québec, Canada, 16-19. Sep. 2003, p. 45.
- Weih M.** 2003. Trade-offs in plants and the prospects for breeding using modern biotechnology. *New Phytologist* 158: 7-9.
- Weih M., Karlsson P.S.** 2003. Variation in growth patterns among provenances, ecotypes and individuals of mountain birch. In: Laine K., Skre O. and Wielgolaski F.-E. (eds.) *Human Interactions with the Mountain Birch Ecosystem: Implications for Sustainable Development (HIBECO)*. Final report for the EU project EU FP5, QLK5-CT-1999-01515, p. 85-87.
- Weih M., Karacic A., Munkert H., Verwijst T., Diekmann M.** 2003. Influence of young poplar stands on floristic diversity in agricultural landscapes. *Basic and Applied Ecology* 4: 149-156.
- Weih M.** 2004. Intensive short rotation forestry in boreal climates: present and future perspectives. *Canadian Journal of Forest Research* 34: 1369-1378.
- Weih M., Embaye K., Ledin S., Christersson L.** 2004. Biomass and nutrient distribution in a highland bamboo forest in Southwest Ethiopia: implications for management. *Forest Ecology and Management* (in press)

Turkey

- Diner A., Koçer S.** 1999. The Effects of Agricultural Intercropping on I-214 poplar Plantations Economics. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 189. İzmit/Turkey.
- Ercan M., Uluer K., Selek F.** 2002. A Study For Poplar Plantations Area Inventory Using Remote-Sensing Techniques in The Adapazarı and Düzce Regions of Turkey. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 192. İzmit/Turkey.
- Kiliçaslan H., Zoralioğlu T., Uludağ S., Karabulut S.** 2004. Investigations on the determination of Standard Methods of One and Two Years-Old Rootless I-214 and 77/51 Saplings in Nurseries and their on Usage Possibilities in Plantations. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin. İzmit/Turkey.
- Koçer S.** 1999. New Financing Opportunities for Private Sector's Poplar Cultivations in Turkey. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 190. İzmit/ Turkey.
- Özay F.Ş., Güler N., Uluer K., Selek F.** 2000. Investigation on *Pygaera anastomosis* L. that is harmful on poplars. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 191. İzmit/ Turkey.
- Özcan B.G.** 2003. Growth and Yield of Pinus pinaster Ait. Plantations. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 195. İzmit/ Turkey.
- Tunçtaner K.** 1990. Investigation on Genetic Variations of Various Willow Clones and Their Adaptability to Different Regions in Turkey, Annual Bulletin, Number of Bulletin 150. İzmit/ Turkey.
- Tunçtaner K., Akbulut T., Tulukçu M.** 2002. Adaptation of Some Poplar and Willow Clones to the Lakes Region and Using Possibilities in Particleboard Industry. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 194. İzmit/TURKEY.
- Tunçtaner K., As N., Özden Ö.** 2004. Investigation into Growth Performance, Some Technological Wood Properties and Suitability to Paper Production of Some Poplar Clones. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 196. İzmit/ Turkey.
- Uludağ S., Zoralioğlu T., Kiliçaslan H., Karabulut S.** 2004. Investigations on the Influences of Different Lengths and Thickness of Cuttings on the Quality of Willow Saplings. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin. İzmit/ Turkey.
- Zengin M., Karakaş A.** 2002. Use of Corn (Maize) Plant Compost in Seedling Containers for Pinus nigra Plantations in Eskişehir Region, Turkey. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin 193. İzmit/ Turkey.
- Zoralioğlu T., Uludağ S., Koçer S., Diner A., Kiliçaslan H., Karabulut S.** 2004. Investigations on the Determination of Techniques, Standard Times, Standard Costs for Pulling out the Roots of the Poplar Trees after Harvesting. Poplar and Fast Growing Forest Trees Research Institute, Annual Bulletin, Number of Bulletin. İzmit/ Turkey.

United Kingdom

- Alker G., Godley A.R.** 2002. Final technical report. WRc ref: CO5126, December 2002.
- Casella E., Sinoquet H.** 2003. A method for describing canopy structure in coppice poplar with allometric relationships. *Tree Physiology* 23, pp1153-1170.
- Crow P., Houston T.J.** 2004. The Influence of soil and coppice cycle on the rooting habit of short rotation poplar and willow coppice. *Biomass and Bioenergy* 26, pp 497 –505.
- Edwards R.R.** 2000. The potential for the use of willow (*Salix* spp.) in buffer zones for reducing nitrate and atrazine pollution. PhD Thesis, University of Bristol. April 2000.
- Godley A., Alker G., Hallett J., Marshall R., Riddell-Black D.** 2004. Landfill leachate nutrient recovery by willow short rotation coppice I. Yield, tissue consumption and wood quality. *Arboricultural Journal* Vol. 27, pp281-295.
- Godley A., Alker G., Marshall R., Riddell-Black D., Hallett J.** 2003. Full-scale demonstration of onsite treatment of landfill leachate using willow short rotation coppice. Paper given at Advances in Waste Management and Recycling Symposium, Dundee, Sept., 2003.
- Hallett J.E., Alker G., Godley A.R.** 2002. Landfill Leachate management using short rotation coppice; operational guide, WRc ref: CO5127, December 2002.
- Pulford I.D., Riddell-Black D., Stewart C.** 2002. Heavy metal uptake by willow clones from sewage sludge treated soil: the potential for phytoremediation. *International Journal of Phytoremediation*, Vol 4 p 59-72.
- Riddell-Black D.** 2001. Leachate treatment using short rotation coppice. *Biomass and Bioenergy Crops II*, Association of Applied Biologists, University of York, December 2001.
- Riddell-Black D.** 2003. Keynote (invited) Speaker: The environmental role of willow and poplar . 1st International Conference on the Future of Poplar Culture, FAO Rome. November 2003.
- Watson C., Pulford I., Riddell-Black D.** 2003. Development of a hydroponic screening technique to assess heavy metal resistance in willow (*Salix*). *International Journal of Phytoremediation* 5(4): 333-349.
- Watson C., Pulford I., Riddell-Black D.** 2003. Screening of willow species for resistance to heavy metals: comparison of performance in a hydroponics system and field trials. *International Journal of Phytoremediation* 5(4):351-365.

United States of America

Websites: the International Populus Genome Consortium Sequence of the genome of a Populus trichocarpa pedigree and near-completion of quaking aspen Populus tremuloides (www.jgi.doe.gov/poplar).

The selected publications listed below support the text of the report.

Agroforestry

- Garrett H.E. et al.** 2000. North American Agroforestry: An Integrated Science and Practice. Agronomy Society of America, Madison, Wisconsin. 402 pp.
- Lee K., Isenhardt T.M., Schultz R.C., Mickelson S.K.** 2000. Multi-species riparian buffer system in Central Iowa for controlling sediment and nutrient losses during simulated rain. *J. Environ. Qual.* 29: 1200-1205.

- Pallardy S.G. et al.** 2003. Biomass production by 2 year-old poplar clones on flood plain sites in the lower Midwest. *Agroforestry Systems* 59:21-26.
- Schultz R.C. et al.** 2004. Riparian forest buffers in agro-ecosystems – lessons learned from the Bear Creek Watershed, Central Iowa, USA. *Agroforestry Systems* 61: 35-50.

Carbon Sequestration

- Coleman M.D., Isebrands J.G., Tolsted D.N., Tolbert V.R.** 2004. Comparing soil carbon of short rotation poplar plantations with agricultural crops and woodlots in the North Central region, USA. *Environmental Management*: 33 (Suppl. 1) S299-S309
- Lacointe A., Isebrands J.G., Host G.E.** 2002. A new way to account for the effect of source-sink spatial relationships in whole plant carbon allocation models. *Can J for Res* 32:1838-1848.-
- Tuskan G.A., Walsh M.E.** 2001. Short rotation woody crop systems, atmospheric carbon dioxide, and carbon management: A US case study. *Forestry Chronicle* 77: 259-264.

Genetics

- Bradshaw H.D.Jr, Strauss S.H.** 2001. Breeding strategies for the 21st century. In: Dickmann, D.I, et al. *Poplar Culture in North America - NRC Research Press, Ottawa, Canada.* p.383-394
- Brunner A.M., Busov V.B., Strauss S.H.** 2004. Poplar genome sequence: functional genomics in an ecologically dominant plant species. *Trends in Plant Sci, Elsevier*, 9, 49-56.
- Brunner A.M. et al.** 2000. Structure and expression of duplicate AGAMOUS orthologs in poplar. *Plant Mol. Biol.*, 44 (5), 619-634.
- Busov V.B. et al.** 2003. Activation tagging of a dominant gibberellin catabolism gene (GA 2-oxidase) from poplar that regulates tree stature. *Plant Physiol.*, 132, 1283-1291.
- Dickmann D.I., Isebrands J.G.** 2001. Poplar clones: an introduction and caution. In: *Poplar Culture in North America NRC-CNRC Press, Ottawa, Ontario, Canada.* p. 309-324
- Dickmann D.I. et al.** 2001. *Poplar Culture in North America.* NRC Research Press. Ottawa, Canada.
- Groover A. et al.** 2004. Gene and enhancer trap tagging of vascular-expressed genes in poplar trees. *Plant Physiol.*, 134, 1742-1751.
- Han K.-H. et al.** 2000. An Agrobacterium transformation protocol effective in a variety of cottonwood hybrids (genus *Populus*). *Plant Cell Rep.*, 19, 315-320.
- Jeong M.L. et al.** 2004. Metabolic profiling of the sink-to-source transition in developing leaves of quaking aspen. *Plant Physiology* 136:1-12.
- Land S.B. Jr. et al.** 2002. A tree improvement program for eastern cottonwood in the Southeastern United States. *Proc 26th Biennial Southern Tree Improvement Conference, Athens, Georgia. June 26-29, 2001.* pp. 84-93
- Li B.** 2001. Hybrid aspen heterosis and breeding. In: P. Pulkkinen, et al. *Aspen in Papermaking.* University of Helsinki Press, Helsinki, Finland. p. 8-25.
- Meilan R. et al.** 2000. Development of glyphosate-tolerant hybrid cottonwoods. *Tappi J.*, 83(1), 164-166.
- Meilan R. et al.** 2002. Stability of herbicide resistance and GUS expression in transgenic hybrid poplars (*Populus sp.*) during several years of field trials and vegetative propagation. *HortScience*, 37(2), 277-280.
- Mohamed R. et al.** 2001. Bacterio-opsin gene overexpression fails to elevate fungal disease resistance in transgenic poplar (*Populus*). *Can. J. For. Res.*, 31, 268-275.

- Ranjan P. et al.** 2004. Suppression substrate hybridization-mediated transcriptome analysis from multiple tissues of aspen (*Populus tremuloides*) altered in phenyl propanoid metabolism. *Planta* 219:694-704.
- Riemenschneider D.E. et al.** 2001. Poplar breeding and testing strategies in the north-central US: Demonstration of potential yield and consideration of future needs. *Forestry Chronicle* 77: 245-253.
- Rottmann W.H. et al.** 2000. Diverse effects of overexpression of LEAFY and PTLF, a poplar (*Populus*) homolog of LEAFY/FLORICAULA, in transgenic poplar and Arabidopsis. *Plant J.*, 22, 235-246.
- Shang T.Q. et al.** 2001. Trichloroethylene oxidative metabolism in plants: the trichloroethanol pathway. *Phytochemistry* 58:1055-1065.
- Strauss S.H., Martin F.M.** 2004. Poplar genomics comes of age. *New Phytol.*, 164, 1-4.
- Strauss S.H., DiFazio S.P., Melan R.** 2001. Genetic modified poplars in context. *Forestry Chronicle* 77(2): 271-279.
- Tabor G.M., Kubisiak T.L., Klopfenstein N.B., Hall R.B., McNabb H.S. Jr.** 2000. Bulked segregant analysis identifies molecular markers linked to *Melampsora medusae* resistance in *Populus deltoides*. *Phytopathology* 90:1039-1042.
- Tsai C.J., Hubscher S.L.** 2004. Cryopreservation in *Populus* functional genomics. *New Phytol* 164:73-81.
- Van Aken B. et al.** 2004. *Methylobacterium oliveri* sp. nov.: A novel aerobic, pink-pigmented, facultatively methylotrophic, methane-utilizing bacterium isolated from poplar trees (*Populus deltoides* x *nigra* DN34). *Int. J. Systematic & Evolutionary Microbiology*. In press.

Global Climate Change

- Coleman M.D., Dickson R.E., Isebrands J.G.** 2000. Contrasting fine root production survival, and soil CO₂ efflux in pine and poplar plantations. *Plant and Soil* 225:129-139.
- Dickson R.E., Coleman M.D., Pechter P., Karnosky D.F.** 2001. Growth and crown architecture of two aspen genotypes exposed to interacting ozone and carbon dioxide. *Environmental Pollution* 115:319-334.
- Holmes W.E., Zak D.R., Pregitzer K.S., King J.S.** 2003. Soil nitrogen transformations under *Populus tremuloides*, *Betula papyrifera* and *Acer saccharum* following 3 years exposure to elevated CO₂ and O₃. *Global Change Biology* 9:1743-1750.
- Isebrands J.G. et al.** 2001. Growth responses of *Populus tremuloides* clones to interacting carbon dioxide and tropospheric ozone. *Environmental Pollution* 115:359-371.
- Isebrands J.G. et al.** 2003. Growth responses of aspen clones to elevated carbon dioxide and ozone. In: D.F. Karnosky, K.E. Percy, A.H. Chappelka, C. Simpson, and J.M. Pikkarainen (Eds.), *Air Pollution, Global Change and Forests in the New Millennium*. Elsevier Press, Amsterdam. pp. 411-435.
- Kaakinen S. et al.** 2004. Stem wood properties of *Populus tremuloides*, *Betula papyrifera* and *Acer saccharum* saplings after three years of treatments to elevated carbon dioxide and ozone. *Global Change Biology* 10:1513-1525.
- Karnosky D.F., Oksanen E., Dickson R.E., Isebrands J.G.** 2001. Impacts of interacting greenhouse gases on forest ecosystems. In: Karnosky, D.F., G. Scarascia-Mugnozza, R. Ceulemans, and J. Innes (eds.), *The impact of carbon dioxide and other greenhouse gases on forest ecosystems*. CABI Publishing, New York pp. 253-267.
- Karnosky D.F. et al.** 2002. Interacting elevated CO₂ and tropospheric O₃ predisposes aspen (*Populus tremuloides* Michx.) to infection by rust (*Melampsora medusae* f.sp. *tremuloidae*). *Global Change Biol.* 8:329-338.
- Karnosky D.F. et al.** 2003. Tropospheric O₃ moderates responses of temperate hardwood forests

- to elevated CO₂: A synthesis of molecular to ecosystem results from the Aspen FACE project. *Functional Ecology* 17:289-304.
- King J.S., Pregitzer K.S., Zak D.R., Sober J., Isebrands J.G., Dickson R.E., Hendrey G.R., Karnosky D.F.** 2001. Fine root biomass and fluxes of soil carbon in young stands of paper birch and trembling aspen as affected by elevated atmospheric CO₂ and tropospheric O₃. *Oecologia* 128:237-250.
- Kopper B.J., Lindroth R.L.** 2003. Responses of trembling aspen (*Populus tremuloides*) phytochemistry and aspen blotch leafminer (*Phyllonorycter tremuloidiella*) performance to elevated levels of atmospheric CO₂ and O₃. *Agricultural and Forest Entomology* 5:17-26.
- Kubiske M.E., Zak D.R., Pregitzer K.S., Takeuchi Y.** 2003. Photosynthetic acclimation of overstory *Populus tremuloides* and understory *Acer saccharum* to elevated atmospheric CO₂ concentration: interactions with shade and soil nitrogen. *Tree Physiol.* 22:321-329.
- Larson J.L., Zak D.R., Sinsabaugh R.L.** 2002. Microbial activity beneath temperate trees growing under elevated CO₂ and O₃. *Soil Science Society of America Journal* 66:1848-1856.
- Lindroth R.L., Kopper B.J., Parsons W.F.J., Bockheim J.G., Sober J., Hendrey G.R., Pregitzer K.S., Isebrands J.G., Karnosky D.F.** 2001. Effects of elevated carbon dioxide and ozone on foliar chemical composition and dynamics in trembling aspen (*Populus tremuloides*) and paper birch (*Betula papyrifera*). *Environmental Pollution* 115:395-404.
- Lindroth R.L., Wood S.A., Kopper B.J.** 2002. Response of quaking aspen genotypes to enriched CO₂: foliar chemistry and insect performance. *Agricultural and Forest Entomology* 4:315-323.
- Loranger G.I., Pregitzer K.S., King J.S.** 2004. Elevated CO₂ and O₃ concentrations differentially affect selected groups of the fauna in temperate forest soils. *Soil Biol. & Biochem.* 36:1521-1524.
- Mankovska B., Percy K., Karnosky D.F.** 2003. Impact of greenhouse gases on epicuticular waxes of *Populus tremuloides* Michx.: Results from an open-air exposure and a natural O₃ gradient. *Ekológia* 22 (Supplement 1):173-178.
- Mankovska B., Percy K., Karnosky D.F.** 2003. Impact of greenhouse gases on epicuticular waxes of *Populus tremuloides* Michx.: Results from an open-air exposure and a natural O₃ gradient. *Ekológia (Bratislava)* 22 (Supplement 1):182-194.
- Martin M.J., Host G.E., Lenz K.E., Isebrands J.G.** 2001. Simulating the growth response of aspen to ozone exposure: a mechanistic approach to scaling a leaf-level model of ozone effects on photosynthesis to a complex canopy architecture. *Environmental Pollution* 115:425-436.
- McDonald E.P., Kruger E.L., Riemenschneider D.E., Isebrands J.G.** 2002. Competitive status influences tree-growth responses to elevated CO₂ and O₃ in aggrading aspen stands. *Functional Ecology* 16 (6), 792-801.
- Noormets A., Sober A., Pell E.J., Dickson R.E., Podila G.K., Sober J., Isebrands J.G., Karnosky D.F.** 2001. Stomatal and non-stomatal limitation to photosynthesis in two trembling aspen (*Populus tremuloides* Michx.) clones exposed to elevated CO₂ and/or O₃. *Plant, Cell and Environ.* 24:327-336.
- Noormets A., McDonald E.P., Kruger E.L., Sober A., Isebrands J.G., Dickson R.E., Karnosky D.F.** 2001. The effect of elevated carbon dioxide and ozone on leaf- and branch-level photosynthesis and potential plant-level carbon gain in aspen. *Trees* 15:262-270.
- Oksanen E., Sober J., Karnosky D.F.** 2001. Interactions of elevated CO₂ and ozone in leaf morphology of aspen (*Populus tremuloides*) and birch (*Betula papyrifera*) in aspen FACE experiment. *Environmental Pollution* 115:437-446.

- Percy K.E., Awmack C.S., Lindroth R.L., Kubiske M.E., Kopper B.J., Isebrands J.G., Pregitzer K.S., Hendrey G.R., Dickson R.E., Zak D.R., Oksanen E., Sober J., Harrington R., Karnosky D.F.** 2002. Altered performance of forest pests under CO₂- and O₃-enriched atmospheres. *Nature* 420:403-407.
- Takeuchi Y., Kubiske M.E., Isebrands J.G., Pregitzer K.S., Hendrey G., Karnosky D.F.** 2001. Photosynthesis, light and nitrogen relationships in a young deciduous forest canopy under open-air CO₂ enrichment. *Plant Cell Environ.* 24:1257-1268.
- Wustman B.A., Oksanen E., Karnosky D.F., Sober J., Isebrands J.G., Hendrey G.R., Pregitzer K.S., Podila G.K.** 2001. Effects of elevated CO₂ and O₃ on aspen clones varying in O₃ sensitivity: Can CO₂ ameliorate the harmful effects of O₃? *Environmental Pollution* 115:473-481.
- Zak D.R., Holmes W.E., Finzi A.C., Norby R.J., Schlesinger W.H.** 2003. Soil nitrogen cycling under elevated CO₂: a synthesis of forest FACE experiments. *Ecological Applications* 13:1508-1514.

Insects

- Doyle D.R. et al.** 2002. Cottonwood leaf beetle (Coleoptera: Chrysomelidae) defoliation impact on *Populus* growth and above-ground volume in a short rotation woody crop plantation. *Agricultural Forest Entomology* 4: 293-300.
- Fang Ying, Hart E.R.** 2000. Effect of cottonwood leaf beetle (Coleoptera: Chrysomelidae) larval population levels on *Populus* terminal damage. *Environ. Entomol.* 29:43-48.
- Fang Ying, Pedigo L.P., Colletti J.P., Hart E.R.** 2002. Economic injury level for second-generation cottonwood leaf beetle (Coleoptera: Chrysomelidae) in two-year-old *Populus*. *J. Econ. Entomol.* 95:313-316.
- Mattson W.J., Hart E.A., Volney W.J.A.** 2001. Insect pests of *Populus*: coping with the inevitable. In Dickmann, D.I. et al. *Poplar Culture of North America*. NRC Research Press, Ottawa, Canada. p. 219-248.

Pathology

- Erickson J.E., Stanosz G.R., Kruger E.L.** 2003. Photosynthetic consequences of *Marsonnina* leaf spot differ between two poplar hybrids. *New Phytologist* 161:577-583.
- James R.R., Newcombe G.** 2000. Defoliation patterns and genetics of insect resistance in cottonwoods. *Canadian Journal of Forest Research* 30:85-90.
- Newcombe G.** 2000. First report of *Pestalotiopsis populi-nigrae* on poplar in North America. *Plant Disease* 84(5):595.
- Newcombe G.** 2000. Inheritance of resistance to *Glomerella cingulata* in *Populus*. *Canadian Journal of Forest Research* 30:639-644.
- Newcombe G.** 2003. Native *Venturia inopina* sp. nov., specific to *Populus trichocarpa* and its hybrids. *Mycological Research* 107: 108-116.
- Newcombe G., Ostry M.** 2001. Recessive resistance to *Septoria* stem canker of hybrid poplar. *Phytopathology* 91:1081-1084.
- Newcombe G., Stirling B., Bradshaw J.D. Jr.** 2001. Abundant pathogenic variation in the new hybrid rust population of *Melampsora xcolumbiana* on hybrid poplar. *Phytopathology* 91:981-985.
- Newcombe G., Stirling B., McDonald S.K., Bradshaw H.D. Jr.** 2000. *Melampsora x columbiana*, a natural hybrid of *M. medusae* and *M. occidentalis*. *Mycological Research* 104: 261-274.

- Newcombe G. et al.** 2001. Poplar Diseases. In Poplar Culture in North America. D.I. Dickmann, J.G. Isebrands, J.E. Eckenwalder, and J. Richardson. NRC Research Press, Ottawa, Canada. pp. 249-276.
- Stanosz J.C., Stanosz G.R.** 2002. A medium to enhance identification of *Septoria Musiva* from poplar cankers. For Pathology 32:145-152.
- Stirling B., Newcombe G., Vrebalov J., Bosdet I., Bradshaw H.D. Jr.** 2001. Suppressed recombination around the *MXC3* locus, a major gene for resistance to poplar leaf rust. Theoretical and Applied Genetics 103:1129-1137.
- Weiland J.E., Stanosz J.C., Stanosz G.R.** 2003. Prediction of long term canker disease damage from the responses of juvenile poplar clones to inoculation with *Septoria musiva*. Plant Disease 87:1507-1514

Phytoremediation

- Cooper D.J., D'Amico D.R., Scott M.L.** 2003. Physiological and morphological reponse patterns of *Populus deltoides* to alluvial groundwater pumping. Environmental Management 31(2) 215-226.
- Isebrands J.G.** 2003. Using poplars and willows for phytoremediation in the USA. Proc IEA Task 30 Meeting, December 1-5, 2003. Tauranga, New Zealand. 7pp.
- Isebrands J.G. Karnosky D.F.** 2001. Environmental benefits of poplar culture. In: Poplar Culture in North America NRC-CNRC Press, Ottawa, Ontario, Canada. p. 207-218
- Licht L.A., Isebrands J.G.** 2004. Linking phytoremediation pollutant removal to biomass economic opportunities. Biomass and Bioenergy (In press)
- Ma X., Burken J.G.** 2002. VOC's fate and partitioning in vegetation: Use of tree cores in groundwater analysis. Environmental Science & Technology 34, 4663-4668.
- McCutcheon S.C., Schnoor J.L.** 2003. Phytoremediation: Transformation and Control of Contaminants. John Wiley and Sons Publishing, Hoboken, New Jersey. 987 pp.
- Mirck J. et al.** 2003. Development of short rotation willow coppice systems for environmental purposes in Sweden. Biomass and Bioenergy (In press)
- Rockwood D.L. et al.** 2004. Fast growing trees for heavy metal and chlorinated solvent phytoremediation. Proc 7th International Symposium Bioremediation June 2-5, 2003. Orlando FL (In press)
- Rockwood D.L. et al.** 2004. Short rotation woody crops and phytoremediation: opportunities for agroforestry? Agroforestry Systems 61:53-63
- US Environmental Protection Agency.** 1998. A citizen's guide to phytoremediation. EPA-542 -F-98-011. Office of Solid Waste and Emergency Response. Washington, D.C. 6 pp.
- Vroblesky D.A. et al.** 2004. Ground water chlorinated ethenes in tree trunks: Case studies, influence of recharge, and potential degradation mechanism. Ground Water Monitoring & Remediation 24:124-138.
- Westphal L.M., Isebrands J.G.** 2002. Phytoremediation of Chicago's brownfields – Consideration of ecological approaches and social issues. Proc Brownfields 2001 Conference, September 24-26, 2001, Chicago, IL BB-11-02.

Production-Cultural Practices

- Allen Mark.** 2000. Fiber farming produces record growth. Tree Farmer (Mar/Apr.) 14-17.
- Blatner Keith, Johnson Jon D., Baumgartner David M. (eds.).** 2000. Hybrid poplars in the Pacific Northwest: culture, commerce, and capability. Washington State University Cooperative Extension, MISCO272. Pullman, Washington.

- Coleman M. et al.** 2004. Production of short rotation woody crops grown with a range of nutrient and water availability: Establishment report and first-year responses. USDA Forest Service - GTR-SRS-072
- Dickmann D.I. et al.** 2001. Poplar Culture in North America. NRC Research Press, Ottawa, Ontario, Canada. 397 pp.
- Dickmann D.I. et al.** 2001. Physiological ecology of poplars. In: Poplar Culture in North America. NRC Research Press, Ottawa, Ontario, Canada. p. 77-118.
- Eaton J.** 2003. Utilization of short rotation woody crops in Western USA. Proc IEA Task 30 Meeting, Tauranga, New Zealand, December 1-5, 2003. p. 191-198.
- Friend A.L., Mobley J.A., Ryan E.A., Bradshaw H.A. Jr.** 2000. Root growth plasticity of hybrid poplar in response to soil nutrient gradients. *J. Sust. Forestry* 10:133-140.
- Gochis D.J., Cuenca R.H.** 2000. Plant water use and crop curves for hybrid poplars. *J. Irrigation and Drainage Engr.* 126 (4):206-214.
- Gordon J.C.** 2001. Poplars: Trees of the people, trees of the future. *Forestry Chronicle* 77: 217-219.
- Isebrands J.G., Richardson J.** 2000. 21st Session of the International Poplar Commission (IPC 2000) Poplar and willow culture: Meeting the needs of society and the environment. North Central Research Station, St. Paul, MN. General Technical Report NC-215. 220 pp.
- Kern C. et al.** 2004. Fine root dynamics in a developing *Populus deltoides* plantation. *Tree Physiology* 24: 651-660.
- Moser Brian W.** 2000. A comparison of physical, chemical, and genetic controls to reduce deer browse damage to hybrid poplar seedlings. *Vertebrate Pest Conference Proceedings* 19:88-92.
- Netzer, D.A. et al.** 2002. Growth, yield, and disease resistance of 7-12 year-old poplar clones in the north central United States. North Central Research Station. St. Paul, MN, General Technical Report NC-229. 33 pp.
- Stanturf J.A. et al.** 2001. Ecology and silviculture of poplar plantations. In Dickmann, D.I. et al. *Poplar Culture of North America*. NRC Research Press. Ottawa, Canada. p. 153-206.
- Zasada J.C. et al.** 2001. Ecology and silviculture of natural stands of *Populus* species. In Dickmann, D.I. et al. *Poplar Culture in North America*. NRC Research Press, Ottawa, Canada. p. 119-151.

Utilization

- Balatinecz J.J., Kretchmann D.E.** 2001. Properties and utilization of poplar wood. In: Dickmann, D.I. et al. *Poplar Culture in North America – NRC Research Press*. Ottawa, Canada. p. 277-291.
- Balatinecz J.J., Kretchmann D.E., Leclercq A.** 2001. Achievements in the utilization of poplar wood – guideposts for the future. *Forestry Chronicle* 77: 265-269.
- Sedjo R.A.** 2001. The role of forest plantations in the world's future timber supply. *Forestry Chronicle* 77: 221-225.
- Semen E., Kuo M., Su Y.C., Hall R.B., Stokke D.D.** 2001. Physical properties of kraft pulp from four-year-old aspen hybrids and crosses. *Wood and Fiber Science* 33(1):140-147.

Willows

- Abrahamson L.P. et al.** 2002. Willow biomass producers handbook. State University of New York, College Environmental Science and Forestry, Syracuse, NY. 31pp.
- Adegbidi H.G. et al.** 2003. Effect of organic amendments and slow release nitrogen fertilizer on willow biomass production and soil chemical characteristics. *Biomass and Bioenergy* 25:389-398.

- Dulohery C.J., Kolka R.K., McKeulin M.R.** 2000. Effects of a willow overstory on planted seedlings in a bottomland restoration. *Ecological Engineering* 15:557-566.
- Hardig T.M., Brunfeld S.J., Fritz R.S., Morgan M., Orians C.M.** 2000. Morphological and molecular evidence for hybridization and introgression in a willow (*Salix*) hybrid zone. *Molecular Ecology* 9: 9-24.
- Fritz R.S., Crabb B.A., Hochwender C.G.** 2003. Preference and performance of a gall-inducing sawfly: Plant vigor, sex, gall traits and phenology. *Oikos* 102: 601-613.
- Fritz R.S., Hochwender C.G.** 2004. Genetic architecture of susceptibility to herbivores in hybrid willows. *Journal of Evolutionary Biology* (in press).
- Heller M.C., Keoleian G.A., Volk T.A.** 2003. Life cycle assessment of a willow biomass cropping system. *Biomass and Bioenergy* 25(2):147-165.
- Heller M.C. et al.** 2004. Life cycle energy and environmental benefits of generating electricity from willow biomass. *Renewable Energy* 29:1023-1042.
- Kopp R.F. et al.** 2001. The development of improved willow clones for eastern North America. *Forestry Chronicle* 77: 287-292.
- Orians C.M., Lower S., Fritz R.S., Roche B.M.** 2003. The effects of plant genetic variation and soil nutrients on secondary chemistry and growth in a shrubby willow, *Salix sericea*: patterns and constraints on the evolution of resistance traits. *Biochemical Systematics and Ecology* 31: 233-247.
- Tharakan P.J., Volk T.A., Lindsey C.A., Abrahamson L.P., White E.H.** 2004. Evaluating the impact of three incentive programs on co-firing willow biomass with coal in New York State. *Energy Policy* 33(3): 337-347.
- Volk T.A., Verwijst T., Tharakan P.J., Abrahamson L.P.** 2004. Growing energy: Assessing the sustainability of willow short-rotation woody crops. *Frontiers in Ecology and the Environment* 2(8):411-418.
- Volk T.A., Ballard B., Robison D.J., Abrahamson L.P.** 2004. Effect of cutting storage conditions during planting operations on the survival and biomass production of four willow (*Salix* L.) clones. *New Forests* 28:63-78.