

# List of publications

## Journal articles and books

### Peer reviewed journal articles

1. **Jung, T., Blaschke, H. & Neumann, P. (1996)** Isolation, identification and pathogenicity of *Phytophthora* species from declining oak stands. *European Journal of Forest Pathology* **26**: 253-272.
2. **Cooke, D. E. L., Jung, T., Williams, N. A., Schubert, R., Bahnweg, G., Osswald, W. & Duncan, J. M. (1999)** Molecular evidence supports *Phytophthora quercina* as a distinct species. *Mycological Research* **103**: 799-804.
3. **Heiser, I., Fromm, J., Giefing, M., Koehl, J., Jung, T. & Oßwald, W. (1999)** Investigations on the action of *Phytophthora quercina*, *P. citricola* and *P. gonapodyides* toxins on tobacco plants. *Plant Physiology and Biochemistry* **37**: 73-81.
4. **Jung, T., Cooke, D.E.L., Blaschke, H., Duncan, J.M. & Osswald, W. (1999)** *Phytophthora quercina* sp. nov., causing root rot of European oaks. *Mycological Research* **103**: 785-798.
5. **Schubert, R., Bahnweg, G., Nechwatal, J., Jung, T., Cooke, D.E.L., Duncan, J.M., Müller-Starck, G., Langebartels, C., Sandermann, H. Jr. & Oßwald, W. (1999)** Detection and quantification of *Phytophthora* species which are associated with root-rot diseases in European deciduous forests by species-specific polymerase chain reaction. *European Journal of Forest Pathology* **29**: 169-188.
6. **Jung, T., Blaschke H. & Oßwald, W. (2000)** Involvement of *Phytophthora* species in Central European oak decline and the effect of site factors on the disease. *Plant Pathology* **49**: 706-718.
7. **Nechwatal, J., Schlenzig, A., Jung, T., Cooke, D.E.L., Duncan, J.M. & Oßwald, W.F. (2001)** A combination of baiting and PCR techniques for the detection of *Phytophthora quercina* and *P. citricola* in soil samples from oak stands. *Forest Pathology* **31**: 85-97.
8. **Oßwald, W.F., Jung, T., Nechwatal, J., Schlenzig, A. & Fleischmann, F. (2001)** Significance of *Phytophthoras* and *Pythium* for oak, alder and spruce decline. *Journal of Forest Science* **47**: 96-103 (Special Issue).

9. **Jung, T., Hansen, E.M., Winton, L., Oßwald, W. & Delatour, C. (2002)** Three new species of *Phytophthora* from European oak forests. *Mycological Research* **106**: 397-411.
10. **Jung, T. & Dobler, G. (2002)** First report of littleleaf disease caused by *Phytophthora cinnamomi* on *Pinus occidentalis* in the Dominican Republic. *Plant Disease* **86**: 1275.
11. **Jönsson, U., Jung, T., Rosengren, U., Nihlgard, B. & Sonesson, K. (2003)** Pathogenicity of Swedish isolates of *Phytophthora quercina* to *Quercus robur* in two different soils. *New Phytologist* **158**: 355-364.
12. **Jönsson, U., Lundberg, L., Sonesson, K. & Jung T (2003)** First records of soilborne *Phytophthora* species in Swedish oak forests. *Forest Pathology* **33**: 175-179.
13. **Jung, T., Nechwatal, J., Cooke, D.E.L., Hartmann, G., Blaschke, M., Oßwald, W.F., Duncan, J.M. & Delatour, C. (2003)** *Phytophthora pseudosyringae* sp. nov., a new species causing root and collar rot of deciduous tree species in Europe. *Mycological Research* **107**: 772-789.
14. **Jung, T. & Blaschke, M (2004)** *Phytophthora* root and collar rot of alders in Bavaria: distribution, modes of spread, and possible management strategies. *Plant Pathology* **53**: 197-208.
15. **Brasier, C.M., Kirk, S.A., Delcan, J., Cooke, D.E.L., Jung, T. & Man in't Veld, W.A. (2004)** *Phytophthora alni* sp. nov. and its variants: designation of emerging heteroploid hybrid pathogens spreading on *Alnus* trees. *Mycological Research* **108**: 1172-1184.
16. **Cooke, D.E.L., Jung, T., Williams, N.A., Schubert, R., Oßwald, W. & Duncan, J. (2005)** Genetic diversity of European populations of the oak fine-root pathogen *Phytophthora quercina*. *Forest Pathology* **35**: 1-14.
17. **Jönsson, U., Jung, T., Sonesson, K. & Rosengren, U. (2005)** Relationships between health of *Quercus robur*, occurrence of *Phytophthora* species and site conditions in southern Sweden. *Plant Pathology* **54**: 502-511.
18. **Jung, T., Hudler, G.W., Jensen-Tracy, S.L., Griffiths, H.M., Fleischmann, F. & Oßwald, W. (2005)** Involvement of *Phytophthora* species in the decline of European beech in Europe and the USA. *Mycologist* **19**: 159-166.
19. **Jung, T., (2008)** Beech decline in Central Europe driven by the interaction between *Phytophthora* infections and climatic extremes. *Forest Pathology* **38**: doi: 10.1111/j.1439-0329.2008.00566.x, in press.

20. **Jung, T. & Nechwatal, J., (2008):** *Phytophthora gallica* sp. nov., a new species from rhizosphere soil of declining oak and reed stands in France and Germany. *Mycological Research* **112**: 1195-1205.
21. **Vettraino, A.M., Jung, T. & Vannini, A. (2008):** First Report of *Phytophthora cactorum* associated with beech decline in Italy. *Plant Disease* **92**: 1708. DOI: 10.1094/PDIS-92-12-1708A.
22. **Scott, P.M., Burgess, T.I., Barber, P.A., Shearer, B.L., Stukely, M.J.C., Hardy, G.E.St.J. & Jung, T. (2009):** *Phytophthora multivora* sp. nov., a new species recovered from declining *Eucalyptus*, *Banksia*, *Agonis* and other plant species in Western Australia. *Persoonia*: in press.

### Not peer-reviewed articles and books

1. **Jung, T. (1991)** Untersuchungen zur *in vitro* - Toxigenität aus Eiche isolierter Arten der Gattungen *Ceratocystis* / *Ophiostoma* und *Fusarium* (Investigations on *in vitro* toxigenicity of *Ceratocystis* / *Ophiostoma* and *Fusarium* species from oak). Diploma thesis, Institute of Forest Botany, Ludwig-Maximilians-University Munich, pp. 118.
2. **Blaschke, H., Jung, T., Paoletti, E. & Bussotti, F. (1995)** First reports of *Phytophthora* on roots of declining *Quercus ilex* in Central Italy. *Giornale Botanico Italiano* **129**: 132.
3. **Blaschke, H. & Jung, T. (1996)** Symptome und Nachweis eines *Phytophthora*-Befalls an Eichen (Symptoms and identification of *Phytophthora* infections of oaks). In: Eichensterben in Deutschland (Oak decline in Germany). *Mitteilungen der Biologischen Bundesanstalt für Land- und Forstwirtschaft*, Berlin-Dahlem, Volume **318**: 61-78.
4. **Jung, T. & Blaschke, H. (1996)** *Phytophthora* root rot in declining forest trees. *Phyton (Austria)* **36**: 95-102 (Special Issue).
5. **Jung, T., Blaschke, H., Lang, K.J. & Obwald, W.F. (1996)** *Phytophthora*-Wurzelfäule der Stiel- und Traubeneiche (*Phytophthora* root rot of pedunculate and sessile oak). *Allgemeine Forstzeitschrift* **26**: 1470-1474.
6. **Jung, T. (1998)** Die *Phytophthora* -Erkrankung der europäischen Eichenarten - wurzelzerstörende Pilze als Ursache des Eichensterbens (The *Phytophthora* disease of European oak species – root destroying fungi as cause of oak decline). Lincom Europe, Munich, pp. 143.

7. **Jung, T. (2000)** Das Eichensterben (Oak decline). *Der praktische Gartenratgeber* **9/2000**: 280-281.
8. **Jung, T., Schlenzig, A., Blaschke, M., Adolf, B. & Oßwald, W. (2000)** Erlensterben durch *Phytophthora* - Droht Bayerns Erlen eine Epidemie? (Alder mortality caused by *Phytophthora* – are Bavarian' s alders endangered by an epidemic?). *LWF aktuell* **24/2000**: 22-25.
9. **Blaschke, M. & Jung, T. (2001)** Die *Phytophthora*-Wurzelhalsfäule der Erlen (*Phytophthora* root rot of alders). *Jahrbuch des Vereins zum Schutz der Bergwelt* **66**: 99-102.
10. **Jung, T. & Blaschke, M. (2001)** *Phytophthora* –Wurzelhalsfäule der Erlen (*Phytophthora* collar rot of alders). LWF Merkblatt (LWF leaflet) No. 6, Bavarian State Institute of Forestry (LWF), Freising, Germany, pp. 2.
11. **Jung, T. & Blaschke, M. (2001)** Gefahr für Erlen (Alders in danger). *Deutsche Baumschule* **10/2001**: 42-43.
12. **Jung, T., Blaschke, M., Schlenzig, A. & Oßwald, W. (2001)** Mögliche Verbreitung der *Phytophthora*-Wurzelhalsfäule der Erlen mit infiziertem Baumschulmaterial? (Possible spread of *Phytophthora* root rot of alders via infected nursery stock?). Bund Deutscher Baumschulen e.V., *Verbandsorgan Grün* **04/2001**.
13. **Delatour, C., Desprez-Loustau, M.-L., Robin, C., Hansen, E.M., Brasier, C.M., Blaschke, H., Jung, T., Anselmi, P., Vannini, A., Vettraino, A.M., Bianco, M.C., Luisi, N., Paoletti, E., Barzanti, P., Capretti, P. & Ragazzi, A. (2001)** Occurrence of phytophthoras in oak stands. Chapter 2 in: '*Long term dynamics of oak ecosystems: assessment of the role of root pathogens and environmental constraints as interacting decline inducing factors*', Final report of the EU project PATHOAK (FAIR CT 97-3926) (Delatour, C., ed), pp 21.
14. **Delatour, C., Desprez-Loustau, M.-L., Robin, C., Marçais, B., Brasier, C.M., Blaschke, H., Jung, T., Oßwald, W., Anselmi, P., Vannini, A., Vettraino, A.M., Bianco, M.C., Luisi, N., Paoletti, E., Barzanti, P., Capretti, P. & Ragazzi, A. (2001)** Pathogenicity of *Phytophthora* spp. and host susceptibility. Chapter 3 in: '*Long term dynamics of oak ecosystems: assessment of the role of root pathogens and environmental constraints as interacting decline inducing factors*', Final report of the EU project PATHOAK (FAIR CT 97-3926) (Delatour, C., ed), pp 22.
15. **Gibbs, J.N., Cech, T., Jung, T. & Streito, J.-C. (2003)** Field studies on dissemination of the alder *Phytophthora* and disease development. In: *Phytophthora* disease of alder in

- Europe. (Gibbs, JN, Van Dijk, C and Webber, JF, eds), *Forestry Commission Bulletin* **126**: 55-64. Edinburgh, UK.
- 16. Jung, T. & Blaschke, M. (2003)** Erfassung der Schäden durch die *Phytophthora*-Wurzelhalsfäule der Erle in forstlichen Beständen in Bayern (assessment of damages caused by *Phytophthora* root and collar rot of alders in forest stands in Bavaria). *LWF aktuell* **38/2003**: 14-16.
  - 17. Jung, T. & Blaschke, M. (2003)** Ausmaß und Verbreitung der *Phytophthora* – Erkrankung der Erlen in Bayern, Ausbreitungswege und mögliche Gegenmaßnahmen (extent and distribution of the *Phytophthora* disease of alders in Bavaria, modes of spread and possible management strategy). *Forst und Holz* **58**: 246-251.
  - 18. Jung, T. & Blaschke, M. (2004)** Die *Phytophthora*-Wurzelhalsfäule in Bayern: Krankheitsverbreitung, Ausbreitungswege und Gegenmaßnahmen (*Phytophthora* root and collar rot of alders in Bavaria: distribution, pathways and management options). In: Beiträge zur Schwarzerle (Contributions to Black alder). (Bavarian State Institute of Forestry, ed), *LWF-Bericht* **42**: 35-41. Freising, Germany.
  - 19. Jung, T. (2004)** *Phytophthora* schädigt Buchenbestände in ganz Bayern (*Phytophthora* is damaging beech stands all across Bavaria). *LWF aktuell* **43/2004**: 36-37.
  - 20. Jung, T. & Blaschke, M. (2004)** Eichen und Buchen sind von eingeschlepptem Pilz bedroht (Oak and beech trees are endangered by an introduced fungus). *LWF aktuell* **45/2004**: 27-28.
  - 21. Jung, T. & Blaschke, M. (2005)** Internationale Forstliche *Phytophthora* – Tagung in Freising (International conference in Freising on *Phytophthora* in forests). *Forst und Holz* **60**: 28-31.
  - 22. Jung, T. (2005)** Wurzel- und Stammschäden an Buchen (*Fagus sylvatica* L.) durch bodenbürtige *Phytophthora* - Arten in Bayern: Schadbilder, Verbreitung und Standortbezüge (*Phytophthora* root and collar rot and aerial bleeding cankers of beech (*Fagus sylvatica* L.) in Bavaria: symptoms, distribution and site relations). *Forst und Holz* **60**: 131-139.
  - 23. Jung, T. & Blaschke, M. (2005)** *Phytophthora* an Waldbäumen (*Phytophthora* in forest trees). *AFZ - Der Wald* **8/2005**: 394-396.
  - 24. Cech, T. L. & Jung, T. (2005)** *Phytophthora* – Wurzelhalsfäulen an Buchen nehmen auch in Österreich zu (*Phytophthora*-disease of European beech – an increasing problem in Austria). *Forstschutz Aktuell* **34, 2005**: 7-8.

## Online publications

1. **Jung, T. & Blaschke, M. (2002)** Schäden an Erlen (damages on alders). Deutsche Gesellschaft für Mykologie (German Mycological Society DGfM): [http:// www.dgfm-ev.de/www/de/aktuelles/print/erle.htm](http://www.dgfm-ev.de/www/de/aktuelles/print/erle.htm), pp. 2.

## Peer-reviewed articles in Proceedings

1. **Jung, T., Blaschke H. & Oßwald, W. (2000)** Involvement of *Phytophthora* species in Central and Western European oak decline and the influence of site factors and nitrogen input on the disease. In: *Phytophthora Diseases of Forest Trees. Proceedings of the 'First International Meeting on Phytophthora's in Forest and Wildland Ecosystems'* (Hansen, EM and Sutton, W, eds) 30<sup>th</sup> Aug. – 3<sup>rd</sup> Sept. 1999, Grants Pass, Oregon: 28-33, Oregon State University, Corvallis, OR.
2. **Cooke, D.E.L., Jung, T., Williams, N.A., Schubert, R., Oßwald, W. & Duncan, J.M. (2000)** A comparison of AFLP diversity in *Phytophthora quercina* and *Phytophthora citricola* populations. Abstract in: *Phytophthora Diseases of Forest Trees. Proceedings of the 'First International Meeting on Phytophthora's in Forest and Wildland Ecosystems'* (Hansen, EM and Sutton, W, eds) 30<sup>th</sup> Aug. - 3<sup>rd</sup> Sept. 1999, Grants Pass, Oregon: 101, Oregon State University, Corvallis, OR.
3. **Oßwald, W., Brummer, M., Schlenzig, A., Koehl, J., Jung, T., Heiser, I. & Matyssek, R. (2000)** Investigations on photosynthesis of oak seedlings infected with *Phytophthora quercina* and characterization of the *P. quercina* toxin quercinin. In: *Phytophthora Diseases of Forest Trees. Proceedings of the 'First International Meeting on Phytophthora's in Forest and Wildland Ecosystems'* (Hansen, EM and Sutton, W, eds) 30<sup>th</sup> Aug. - 3<sup>rd</sup> Sept. 1999, Grants Pass, Oregon: 67-70, Oregon State University, Corvallis, OR.
4. **Schlenzig, A., Nechwatal, J., Jung, T., Cooke, D., Duncan, J. & Oßwald, W.F. (2000)** Detection of *Phytophthora quercina* and *Phytophthora citricola* in field soil samples and in infected baiting leaves with PCR and specific primers. Abstract in: *Phytophthora Diseases of Forest Trees. Proceedings of the 'First International Meeting on Phytophthora's in Forest and Wildland Ecosystems'* (Hansen, EM and Sutton, W, eds) 30<sup>th</sup> Aug. - 3<sup>rd</sup> Sept. 1999, Grants Pass, Oregon: 137, Oregon State University, Corvallis, OR.
5. **Jung, T., Blaschke H. & Oßwald, W. (2003)** Effect of environmental constraints on *Phytophthora* - mediated oak decline in Central Europe. In: *Phytophthora in Forests and*

- Natural Ecosystems. (McComb, JA, Hardy, G and Tommerup, I, eds). *Proceedings of the 2<sup>nd</sup> International IUFRO Working Party 7.02.09 Meeting*, 30<sup>th</sup> Sept. - 5<sup>th</sup> Oct. 2001, Albany, Western Australia: 89-98. Murdoch University Print, Perth.
6. **Jung, T., Blaschke, M., Schlenzig, A., Oßwald, W. & Gulder, H.-J. (2003)** *Phytophthora* disease of alders in Bavaria: extent of damage, mode of spread, and management strategies. In: *Phytophthora in Forests and Natural Ecosystems*. (McComb, JA, Hardy, G and Tommerup, I, eds). *Proceedings of the 2<sup>nd</sup> International IUFRO Working Party 7.02.09 Meeting*, 30<sup>th</sup> Sept. - 5<sup>th</sup> Oct. 2001, Albany, Western Australia: 226-234. Murdoch University Print, Perth.
  7. **Brasier, C. M. & Jung, T. (2003)** Progress in understanding *Phytophthora* diseases of trees in Europe. In: *Phytophthora in Forests and Natural Ecosystems*. (McComb, JA, Hardy, G and Tommerup, I, eds). *Proceedings of the 2<sup>nd</sup> International IUFRO Working Party 7.02.09 Meeting*, 30<sup>th</sup> Sept. – 5<sup>th</sup> Oct. 2001, Albany, Western Australia: 4-18. Murdoch University Print, Perth.
  8. **Delatour, C., Anselmi, P., Barzanti, P., Bianco, M.C., Blaschke, H., Brasier, C.M., Capretti, P., Desprez-Loustau, M.-L., Dreyer, E., Hansen, E.M., Heyne, C., Jung, T., Luisi, N., Marçais, B., Matyssek, R., Maurel, M., Oßwald, W., Paoletti, E., Ragazzi, A., Robin, C., Vannini, A., Vettraino, A.M. (2003)** *Phytophthoras* and oaks in Europe. In: *Phytophthora in Forests and Natural Ecosystems*. (McComb, JA, Hardy, G and Tommerup, I, eds). *Proceedings of the 2<sup>nd</sup> International IUFRO Working Party 7.02.09 Meeting*, 30<sup>th</sup> Sept. - 5<sup>th</sup> Oct. 2001, Albany, Western Australia: 78-88. Murdoch University Print, Perth.
  9. **Jung, T. (2006)** Root and collar rot and aerial bleeding cankers of beech in Bavaria caused by *Phytophthora* spp. In: *Progress in Research on Phytophthora Diseases of Forest Trees*. (Brasier, CM, Jung, T & Oßwald, W, eds). *Proceedings of the 3<sup>rd</sup> International IUFRO Working Party 7.02.09 Meeting*, 11<sup>th</sup> –17<sup>th</sup> Sept. 2004, Freising, Germany. Forest Research, Farnham, Surrey, UK: 129-134.
  10. **Jung, T. & Blaschke, M. (2006)** *Phytophthora* dieback of alders in Bavaria: distribution, pathways and management strategies. In: *Progress in Research on Phytophthora Diseases of Forest Trees*. (Brasier, CM, Jung, T & Oßwald, W, eds). *Proceedings of the 3<sup>rd</sup> International IUFRO Working Party 7.02.09 Meeting*, 11<sup>th</sup> –17<sup>th</sup> Sept. 2004, Freising, Germany. Forest Research, Farnham, Surrey, UK: 61-66.
  11. **Jung, T. & Dobler, G. (2006)** Littleleaf Disease caused by *Phytophthora cinnamomi* on *Pinus occidentalis* and *Pinus caribaea* in the Dominican Republic. Poster No. 28 in:

Progress in Research on *Phytophthora* Diseases of Forest Trees. (Brasier, CM, Jung, T & Oßwald, W, eds). *Proceedings of the 3<sup>rd</sup> International IUFRO Working Party 7.02.09 Meeting*, 11<sup>th</sup> –17<sup>th</sup> Sept. 2004, Freising, Germany. Forest Research, Farnham, Surrey, UK.

- 12. Brasier, C.M. & Jung, T. (2006)** Recent developments in *Phytophthora* diseases of trees and natural ecosystems in Europe. In: Progress in Research on *Phytophthora* Diseases of Forest Trees. (Brasier, CM, Jung, T & Oßwald, W, eds). *Proceedings of the 3<sup>rd</sup> International IUFRO Working Party 7.02.09 Meeting*, 11<sup>th</sup> –17<sup>th</sup> Sept. 2004, Freising, Germany. Forest Research, Farnham, Surrey, UK: 5-16.
- 13. Brasier, C.M., Jung, T. & Oßwald, W. (eds) (2006)** Progress in Research on *Phytophthora* Diseases of Forest Trees. *Proceedings of the 3<sup>rd</sup> International IUFRO Working Party 7.02.09 Meeting*, 11<sup>th</sup> –17<sup>th</sup> Sept. 2004, Freising, Germany. Forest Research, Farnham, Surrey, UK: pp. 181.
- 14. Jung, T., Vannini, A. & Brasier, C.M. (2008)** Progress in understanding *Phytophthora* diseases of trees in Europe 2004-2007. In: *Phytophthoras in Forests and Natural Ecosystems. Proceedings of the 4th International IUFRO Working Party 7.02.09 Meeting*, 26<sup>th</sup> –31<sup>st</sup> Aug. 2007, Monterey, California. In press.
- 15. Jung, T., Schumacher, J., Leonhard, S., Hartmann, G. & Cech, T. (2008)** Widespread *Phytophthora* infestations of nurseries in Germany and Austria and their role as primary pathway of *Phytophthora* diseases of trees. In: *Phytophthoras in Forests and Natural Ecosystems. Proceedings of the 4th International IUFRO Working Party 7.02.09 Meeting*, 26<sup>th</sup> –31<sup>st</sup> Aug. 2007, Monterey, California. In press.
- 16. Jung, T., Downing, M., Thomas, V., Blaschke, M., Tuffly, M.F. & Reich, R. (2008)** Modelling the potential distribution of *Phytophthora alni* root and collar rot of alders in Bavaria and preliminary application of the model to estimate the US susceptibility to *P. alni*. In: *Phytophthoras in Forests and Natural Ecosystems. Proceedings of the 4th International IUFRO Working Party 7.02.09 Meeting*, 26<sup>th</sup> –31<sup>st</sup> Aug. 2007, Monterey, California. In press.
- 17. Scott, P., Barber, P., Shearer, B., Jung, T. & Hardy, G.E.St.J. (2008)** Potential role of *Phytophthora* species in the decline of *Eucalyptus gomphocephala* (tuart forest). In: *Phytophthoras in Forests and Natural Ecosystems. Proceedings of the 4th International IUFRO Working Party 7.02.09 Meeting*, 26<sup>th</sup> –31<sup>st</sup> Aug. 2007, Monterey, California. In press.

## Not peer-reviewed articles in Proceedings

- 1. Jung, T. & Blaschke, H. (1996)** *Phytophthora* root rot in declining forest trees. In: *Proceedings of the International Colloquium on 'Bioindication of Forest Site Pollution: Development of Methodology and Training BIOFOSP'*. (Kraigher H, Batič F, Hanke DE, Agerer R and Grill D, eds), 22<sup>nd</sup>-31<sup>st</sup> Aug. 1995, Ljubljana, Slovenia: 153-157, Slovenian Forestry Institute, Ljubljana, Slovenia.
- 2. Oßwald, W.F., Heiser ,I., Albrecht, A., Giefing, M., Baker, R., Jung, T., Matyssek, R. & Elstner, E.F. (1997)** Investigations on the action of fungal toxins on plants (A mechanism also relevant for declining oak trees?) Poster presented at the workshop of the COST E6 / EUROSILVA Working Group III 'Biotic and abiotic interactions', 1997, Oulu, Finland.
- 3. Jung, T. & Paoletti, E. (1997)** Cambiamento globale e deperimento del leccio: il caso di *Phytophthora quercina*. Poster presented at "Primo Congresso SISEF'La Ricerca Italiana per le foreste e la selvicoltura'", 4<sup>th</sup>-6<sup>th</sup> June 1997, Agripolis, Legnaro (PD), Italy.
- 4. Blaschke H. & Jung T. (1998)** Decline symptoms on root systems of European beech and oak species caused by *Phytophthora* spp. In: Disease / Environment Interactions in Forest Decline. *Proceedings of a workshop of the IUFRO Working Party 'Disease / Environment Interactions in Forest Decline'*. (Cech TL, Hartmann G and Tomiczek C, eds), 16<sup>th</sup>-21<sup>st</sup> March 1998, Vienna, Austria: 9-13, Federal Forest Research Centre, Vienna, Austria.
- 5. Jung, T., Blaschke H. & Oßwald, W. (1998)** Isolation, identification, geographical distribution and pathogenicity of *Phytophthora* species from declining oak and beech stands in Europe. Abstract in: Disease / Environment Interactions in Forest Decline. *Proceedings of a workshop of the IUFRO Working Party 'Disease / Environment Interactions in Forest Decline'*. (Cech TL, Hartmann G and Tomiczek C, eds), 16<sup>th</sup>-21<sup>st</sup> March 1998, Vienna, Austria: 200, Federal Forest Research Centre, Vienna, Austria.
- 6. Jung, T., Blaschke H. & Oßwald, W. (1998)** Involvement of *Phytophthora* species in Central European oak decline and the influence of site factors and nitrogen input on the disease. Abstract in: Forest growth responses to the pollution climate of the 21<sup>st</sup> Century. *Proceedings of the 18<sup>th</sup> International IUFRO Meeting for Specialists in Air*

*Pollution Effects on Forest Ecosystems*. 21<sup>st</sup> - 23<sup>rd</sup> Sept. 1998, Edinburgh, UK: 46, Heriot-Watt University, Edinburgh, UK.

7. **Schubert, R., Bahnweg, G., Nechwatal, J., Jung, Müller-Starck, G., T., Langebartels, C., Sandermann, H. Jr., Cooke, D.E.L., Duncan, J.M. & Oßwald, W. (1998)** Detection and quantification of *Phytophthora* species which are associated with root-rot diseases in European deciduous forests by species-specific PCR. Abstract in: Forest growth responses to the pollution climate of the 21<sup>st</sup> Century. *Proceedings of the 18<sup>th</sup> International IUFRO Meeting for Specialists in Air Pollution Effects on Forest Ecosystems*. 21<sup>st</sup> - 23<sup>rd</sup> Sept. 1998, Edinburgh, UK: 100, Heriot-Watt University, Edinburgh, UK.
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