

# **CURRICULUM VITÆ**

of Dr. Stergios Adamopoulos

## Personal data

- Name and contact details

Stergios Adamopoulos

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- Date of birth: 24 March 1973
- Current position, employer and start date:
  - From September 1, 2013: Associate Professor (Permanent position) with specialisation *Wood Technology and Forest Utilisation* at the Department of Wood & Furniture Design and Technology, TEI of Thessaly, 431 00 Karditsa, Greece

## Education

- Degrees

• Dates	May 1996 – March 2001
• Name and type of organisation providing education and training	Aristotle University, Department of Forestry and Natural Environment, Laboratory of Forest Utilisation, Thessaloniki, GREECE
• Title of qualification awarded	PhD
• Principal subjects/occupational skills covered	Thesis Title: “Anatomical characteristics and technical properties of black locust wood ( <i>Robinia pseudoacacia</i> L.)” Grade “Honors” with 1 year scholarship from the Research Committee of the Aristotle University of Thessaloniki Advisory committee: Professor Dr. E. Voulgaridis (supervisor), Associate Professor Dr. C. Passialis, Assistant Professor Dr. V. Vassiliou
• Dates	October 1990 – November 1995
• Name and type of organisation providing education and training	Aristotle University, Department of Forestry and Natural Environment, Thessaloniki, GREECE
• Title of qualification awarded	BSc
• Principal subjects/occupational skills covered	Harvesting and Technology of Forest Products, Forest Production and Protection of Forests and Natural Environment, Design and Development of Natural Resources, Grasslands and Wildlife Management, Forest Road Construction and Hydraulic Works
• Level in national classification	Forest Engineer

- Language skills
 

Mother tongue	<b>GREEK</b>	
Other languages		
	<b>ENGLISH</b>	<b>SPANISH</b>
Reading skills	Excellent	Basic
Writing skills	Excellent	Basic
Verbal skills	Excellent	Basic

**Previous positions and mobility**

- Previous employments and post-doc
  - Dates March 2006 – August 2013
  - Name and address of employer Technological Educational Institute of Thessaly, Department of Forestry and Management of Natural Environment, 431 00 Karditsa, GREECE
  - Occupation or position held Associate Professor (Permanent position), specialisation: Wood Technology and Forest Utilisation
    - Main activities and responsibilities Lecturing and research in the Wood Science & Technology area
  - Dates 1.4.2009 – 30.9.2009 & 1.10.2010 – 30.9.2012 & 28.1.2013 – 8.2.2013
  - Name and address of employer Georg-August Universität Göttingen, Abteilung Holzbiologie & Holzprodukte, Büsgenweg 4, D-37077 Göttingen, Germany
  - Occupation or position held Guest lecturer and researcher (DAAD-Guestlectureship “International Wood Technology”)
    - Main activities and responsibilities Lecturing postgraduate students (Master and PhD) and participation in the research activities of the group in Wood and Fibre Modification, and Wood and Fibre Products area
  - Dates November 2004 – September 2010
  - Name and address of employer Democritus University of Thrace, Department of Forestry & Management of the Environment and Natural Resources , 193 Pantazidou Str., 68200 Nea Orestiada, GREECE
  - Occupation or position held Assistant Professor (Non-Permanent staff)
    - Main activities and responsibilities Lecturing (both at undergraduate and postgraduate level) and research in the Wood & Fibre Science area. For the postgraduate students lecturing from 2006
  - Dates 5.5.2003 – 5.11.2004
  - Name and address of employer AIDIMA (Wood, Furniture and Packaging Technology Institute), Technology Park of Valencia, Av. Benjamin Franklin 13, P.O.Box 50, E- 46980 Paterna / Valencia, SPAIN
  - Occupation or position held Post-doctoral fellow (EC Marie Curie Post-Doctoral Fellowship)
    - Main activities and responsibilities Responsible for the project “Characterisation of packaging from paper and paper products through the study of fibre composition” (contract number HPMD-CT-2000-00043)

- Dates September 2001 – January 2003  
Military service
- Dates May 1996 – September 2001
- Name and address of employer Aristotle University, Department of Forestry and Natural Environment, Laboratory of Forest Utilisation, 541 24 Thessaloniki, GREECE
- Occupation or position held PhD student & Research and training assistant
  - Main activities and responsibilities
    1. Training assistant in the practicals of the following subjects of the Department of Forestry and Natural Environment: Wood Structure and Properties, Wood Identification
    2. Assistance in diploma theses undertaken at the Laboratory of Forest Utilisation
    3. Participation in other than PhD work research projects of the Laboratory of Forest Utilisation

## Publications

- Peer-reviewed articles

### Journals

1. **Adamopoulos, S.**, Passialis, C., Voulgaridis, E. and J-V. Oliver. 2014. Grammage and structural density as quality indexes of packaging grade papers manufactured from recycled pulps. *Wood. Research papers. Reports. Announcements* 57(191): 145-151
2. Kielmann, B., **Adamopoulos, S.**, Militz, H., and C. Mai. 2014. Decay resistance of ash, beech and maple wood modified with N-methylol melamine and a metal complex dye. *International Biodeterioration & Biodegradation* 89: 110-114
3. Kielmann, B., **Adamopoulos, S.**, Militz, H., Koch, G. and C. Mai. 2014. Modification of three hardwoods with an N-methylol melamine compound and a metal-complex dye. *Wood Science and Technology* 48: 123-136
4. Kielmann, B., **Adamopoulos, S.**, Militz, H. and C. Mai. 2013. Strength changes in ash, beech and maple wood modified with a N-methylol melamine compound and a metal-complex dye. *Wood Research* 58(3): 343-350
5. Gascón-Garrido, P., Oliver-Villanueva, J.V., Ibiza-Palacios, M.S., Militz, H., Mai, C. and S. **Adamopoulos**. 2013. Resistance of wood modified with different technologies against Mediterranean termites (*Reticulitermes* spp.). *International Biodeterioration & Biodegradation* 82: 13-16
6. Mahnert, K-C., **Adamopoulos, S.**, Koch, G. and H. Militz. 2013. Topochemistry of heat-treated and N-methylol melamine modified wood of Koto (*Pterygota macrocarpa* K. Schum.) and Limba (*Terminalia superba* Engl. et Diels). *Holzforschung* 67(2): 137-146
7. Sint, K.M., **Adamopoulos, S.**, Koch, G., Hapla, F. and H. Militz. 2013. Impregnation of *Bombax ceiba* and *Bombax insigne* wood with a N-methylol melamine compound. *Wood Science and Technology* 47(1): 43-58
8. Sint, K. M., **Adamopoulos, S.**, Koch, G., Hapla, F., and H. Militz. 2013. Wood anatomy and topochemistry of *Bombax ceiba* L. and *Bombax insigne* Wall. *BioResources* 8(1): 530-544
9. Lykidis, C., Mantanis, G., **Adamopoulos, S.**, Kalafata, K. and I. Arabatzis. 2013. Effects of nano-sized zinc oxide and zinc borate impregnation on brown-rot resistance of black pine

- (*Pinus nigra* L.) wood. *Wood Material Science & Engineering* 8(4): 242-244
10. **Adamopoulos, S.**, Voulgaridis, E., Passialis, C. 2013. Morphology and identification of fibre furnish components of papers used in the production of corrugated board. *Celuloză și Hârtie* 62(3): 3-10
  11. **Adamopoulos, S.**, Bastani, A., Gascón-Garrido, P., Militz, H. and C. Mai. 2012. Adhesive bonding of beech wood modified with a phenol formaldehyde compound. *Eur. J. Wood Prod.* 70: 897-901
  12. Voulgaridis, E., Passialis, C., Negri, M. and **S. Adamopoulos**. 2012. Shear bond strength of black locust with three different adhesive systems. *Wood Research* 57(3): 489-496
  13. Xiao, Z., Xie, Y., **Adamopoulos, S.**, and C. Mai. 2012. Effects of chemical modification with glutaraldehyde on the weathering performance of Scots pine sapwood. *Wood Science and Technology* 46(4): 749-767
  14. **Adamopoulos, S.** and E. Voulgaridis. 2012. Effect of hot-water extractives on water sorption and dimensional changes of black locust wood. *Wood Research* 57(1): 69-78
  15. **Adamopoulos, S.**, Wimmer R. and E. Milios. 2012. Tracheid length – growth relationships of young *Pinus brutia* grown on reforestation sites. *IAWA J.* 33(1): 39-49
  16. **Adamopoulos, S.**, Gellerich, A., Mantanis, G., Kalaitzi, T. and H. Militz. 2012. Resistance of *Pinus leucodermis* heartwood and sapwood against the brown-rot fungus *Coniophora puteana*. *Wood Material Science & Engineering* 7(4): 242-244
  17. **Adamopoulos, S.**, Chavenetidou, M. and C. Passialis. 2011. Span-to-depth ratio for shear free deformations in static bending of small wood specimens. *Wood Research* 56(3): 429-434
  18. **Adamopoulos, S.**, Karageorgos, A., Passialis, C. and M. Chavenetidou. 2011. Mathematical approach for defining juvenile-mature wood transition zone in black locust and chestnut. *Wood and Fiber Science* 43(3): 336-342
  19. **Adamopoulos, S.**, Xie, Y. and H. Militz. 2011. Distribution of blue stain in untreated and DMDHEU treated Scots pine sapwood panels after six years of outdoor weathering. *Eur. J. Wood Prod.* 69(2): 333-336
  20. Sint, K.M., Militz, H., **Adamopoulos, S.** and F. Hapla. 2011. Treatability and penetration indices of four lesser-used Myanmar hardwoods. *Wood Research* 56(1): 13-22
  21. **Adamopoulos, S.** and G. Koch. 2011. Wood structure and topochemistry of *Juniperus excelsa*. *IAWA J.* 32(1): 67-76
  22. Scholz, G., **Adamopoulos, S.** and H. Militz. 2011. Migration of blue stain hyphae within wax treated wood. *IAWA J.* 32 (1): 88-96
  23. **Adamopoulos, S.**, Chavenetidou, M., Passialis C. and E. Voulgaridis. 2010. Effect of cambium age and ring width on density and fibre length of black locust and chestnut wood. *Wood Research* 55(3): 25-36
  24. **Adamopoulos, S.**, Passialis, C. and E. Voulgaridis. 2010. Ring width, latewood proportion and density relationships in black locust wood of different origin and clones. *IAWA journal* 31(2): 169-178
  25. **Adamopoulos, S.** and C. Passialis. 2010. Relationship of the toughness and the modulus of elasticity in static bending of small clear spruce wood specimens. *Eur. J. Wood Prod.* 68(1): 109-111
  26. Mantanis, G., Adamopoulos, S. and E. Rammou. 2010. Physical and mechanical properties of *Pinus leucodermis* wood. *Wood Material Science & Engineering* 5(1): 50-52
  27. **Adamopoulos, S.**, Milios, E., Doganos, D., Bistinas, I. 2009. Ring width, latewood proportion and dry density in stems of *Pinus brutia* Ten. *Eur. J. Wood Prod.* 67(4): 471-477
  28. **Adamopoulos, S.**, Passialis, C., Voulgaridis, E. 2009. Fibre characteristics of papers used in

- European corrugated packaging industry. ATIP 63(4): 14-21
29. Passialis, C., Voulgaridis, E., **Adamopoulos, S.**, Matsouka, M. 2008. Extractives, acidity, buffering capacity, ash and inorganic elements of black locust wood and bark of different clones and origin. Holz als Roh- und Werkstoff 66(6): 395-400
  30. **Adamopoulos, S.**, Passialis, C. and E. Voulgaridis. 2007. Strength properties of juvenile and mature wood in black locust (*Robinia pseudoacacia* L.). Wood and Fiber Science 39(2): 241-249
  31. **Adamopoulos, S.**, Martinez, E. and D. Ramirez. 2007. Characterization of packaging grade papers from recycled raw materials through the study of fibre morphology and composition. Global NEST Journal 9(1): 20-28
  32. **Adamopoulos, S.** and J-V. Oliver. 2006. Fiber composition of packaging grade papers as determined by the Graff "C" staining test. Wood and Fiber Science 38(4): 567-575
  33. **Adamopoulos, S.** 2006. Identification of fibre components in packaging grade papers. IAWA J. 27 (2): 153-172
  34. **Adamopoulos, S.** 2006. Quantification of softwood, hardwood and nonwood fibres in packaging grade papers. TAPPI JOURNAL 5(3): 27-32
  35. **Adamopoulos, S.** and J-V. Oliver. 2006. Qualitative and quantitative fibre analysis in recycled raw materials for packaging. Forest Products Journal 56(2): 58-60
  36. **Adamopoulos, S.**, Voulgaridis, E. and C. Passialis. 2005. Variation of certain chemical properties within the stemwood of black locust (*Robinia pseudoacacia* L.). Holz als Roh- und Werkstoff 63(5): 327-333
  37. **Adamopoulos, S.** and E. Voulgaridis. 2003. Dimensional changes of extracted and non-extracted small wood specimens of black locust (*Robinia pseudoacacia* L.). Holz als Roh- und Werkstoff 61(4): 264-268
  38. **Adamopoulos, S.** and E. Voulgaridis. 2002. Within-tree variation in growth rate and cell dimensions in the wood of black locust (*Robinia pseudoacacia* L.). IAWA J. 23(2): 191-199
  39. Passialis, C. and **S. Adamopoulos.** 2002. A comparison of three NDT methods for determining the modulus of elasticity in flexure of fir and black locust small clear wood specimens. Holz als Roh- und Werkstoff 60(5): 323-324
  40. **Adamopoulos, S.** 2002. Flexural properties of black locust (*Robinia pseudoacacia* L.) small clear specimens in relation to the direction of load application. Holz als Roh- und Werkstoff 60(5): 325-327
  41. **Adamopoulos, S.** 2002. Influence of hot-water extractives on radial and tangential shrinkage of black locust wood (*Robinia pseudoacacia* L.). Holz als Roh- und Werkstoff 60(5): 377-378
  42. **Adamopoulos, S.** Voulgaridis, E. and C. Passialis. 2001. Wood quality of black locust wood (*Robinia pseudoacacia* L.). Forest Research 14: 63-72 9 (in Greek)

#### National and international conferences

1. Mahnert, K-C., **Adamopoulos, S.**, Koch, G. and H. Militz. 2014. UV-microspectrophotometry: A method to prove wood-modification with MMF? In Proceedings of the The Seventh European Conference on Wood Modification, Lisbon, Portugal, 10-12 March 2014, Session 6A
2. **Adamopoulos, S.**, Voulgaridis, E., Passialis, C. 2013. Morphology and identification of fibre furnish components of papers used in the production of corrugated board. In Proceedings of the 7th International Symposium on Advanced Technologies for the Pulp, Paper and Corrugated Board Industry, 3-6 September 2013, Braila, Romania
3. Altgen, M., **Adamopoulos, S.**, Ala-Viikari, J., Hukka, A., Tetri, T. and H. Militz. 2012. Factors

- influencing the crack formation in thermally modified wood. In Proceedings of the The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 17-18 September 2012, p. 149-158
4. Bodo Caspar Kielmann, B.C., Militz, H. and **S. Adamopoulos**. 2012. Combined N-Methylol melamine-colouring agent modification of hardwoods to improve their performance under use class 3. In Proceedings of the The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 17-18 September 2012, p. 437-446
  5. Gellerich, A., Röhl, K., **Adamopoulos, S.**, Militz, H. 2012. Evaluation of fungal infestation and decay in a simulated use class 3 situation (block test) after some years of exposure. 43th Annual IRG Meeting, Kuala Lumpur, Malaysia, 6-10 May 2012. International Research Group on Wood Protection, IRG/WP 12-20487, 9 pp.
  6. **Adamopoulos, S.** 2012. New technologies for harvesting forest products. Proceedings of the Conference "Harvesting, Supply and Trade of Woody Biomass". Centre for Renewable Energy Sources and Saving (CRESS) and Department of Forestry and Management of Natural Environment, TEI of Larissa, 19 October 2012, Karditsa, Greece (in Greek)
  7. **Adamopoulos, S.**, Voulgaridis, E. and C. Passialis. 2011. Wood recycling in Europe. In Proceedings of the 15<sup>th</sup> Panhellenic Forestry Conference "Multipurpose Forestry and climate change - protection and exploitation of natural resources", 16-19 October 2011, Karditsa, Greece (in Greek)
  8. **Adamopoulos, S.**, Voulgaridis, E., Passialis, C., Beaver, T. and T. Bouras. 2011. Properties of microwave heat treated oak wood and impregnated with soybean oil. Poster presented at the 1st Workshop of COST Action FP0904: Thermo-Hydro-Mechanical Wood Behaviour and Processing, 16–18 February 2011, Biel, Switzerland. Book of abstracts, p. 145
  9. **Adamopoulos, S.** and C. Mai. 2011. From wood fibre modification to paper technology: properties of fibres modified with DMDHEU and glutaraldehyde 3rd biennial International Fibre Engineering Conference, 24 - 26 May 2011. Barcelo Sants Hotel, Barcelona, Spain
  10. Voulgaridis, E., Passialis, C. and **S. Adamopoulos**. 2010. Identification of the wooden finds from the Tumulus of Mikri Doxipara-Zoni. Pp. 151-173 in Triantafyllos D., Terzopoulou D. (eds.) Proceedings of the One Day Scientific Meeting "Horses and Wagons in the Ancient World". Orestiada-Greece, September 30, 2006. Ministry of Culture and Tourism, Fund of Credits Management for Archaeological Projects
  11. **Adamopoulos, S.**, Voulgaridis, E., Passialis, C. 2009. Recycled waste paper and the corrugated packaging industry in Europe. In Proceedings of the 24th International Conference on Solid Waste Technology and Management ICSW 2009, 15-18 March, Philadelphia, PA U.S.A. pp. 400-411
  12. Blanco Suarez, A., Hansen, P., Lopez Exposito, P., Thomsson, L., Oliver, J.V., **Adamopoulos, S.** 2009. Quality prediction of board boxes made from recycled paper. In Proceedings of the 24th International Conference on Solid Waste Technology and Management ICSW 2009, 15-18 March, Philadelphia, PA U.S.A. Poster Session 2
  13. **Adamopoulos, S.**, Passialis, C., Voulgaridis, E., Oliver, J-V. 2008. Utilization of recycled fibre materials in the European corrugated packaging industrial sector. In Proceedings of the 2nd International Conference on Engineering for Waste Valorisation WasteEng08, June 3-5, Patras, Greece. Paper No.87, 8 p.
  14. **Adamopoulos, S.**, Passialis, C., Voulgaridis, E. 2008. Fibre characteristics of papers used in European corrugated packaging industry. In Proceedings of the 5th CTP/PTS Packaging Paper and Board Recycling International Symposium, March 18-19, Grenoble, France. Paper No.12, 10 p.
  15. Voulgaridis, E., Passialis, C., **Adamopoulos, S.** and D. Triantafyllos. 2008. Identification of

- wood and charcoal specimens from the ancient tomb of Mikri Doxipara-Zoni, Evros Prefecture. National Archaeological Conference, March 13-15, Thessaloniki, Greece
16. **Adamopoulos, S.**, Milios, E. 2007. Brutia pine wood properties from young reforestations. In Proceedings of the 6th International Conference "Wood Science and Engineering in the Third Millennium" ICWSE 2007, M. Ispas, Ed., 20-22 June 2007, Brasov, Romania, ISSN 1843-2689. pp. 11-18
  17. **Adamopoulos, S.** 2006. Fiber analysis techniques for sustainable manufacturing of corrugated board and packaging. In Proceedings of the International Conference "Sustainable Management and Development of Mountainous and Island Areas", September 29, 30 and October 1, Naxos Island, Cyclades, Greece. Vol. I, pp. 1-9
  18. **Adamopoulos, S.** 2006. Radial variation of fiber and vessel member dimensions as an indication of juvenile/mature wood transition in black locust. In Proceedings of the 5th IUFRO Symposium "Wood Structure and Properties", S. Kurjtatko, J. Kúdela and R. Lagaňa, Eds., September 3-6, Sliač - Sielnica, Slovakia. Arbora Publishers, Zvolen, Slovakia, ISBN 80-968869-4-3. pp. 19-23
  19. **Adamopoulos, S.** 2006. Quality control of packaging fiber sources. In Abstracts of the Balkan Conference "Trends in the Production of Pulp and Paper in the Balkan Countries", September 28-29, Sofia, Bulgaria (Invited speaker)
  20. **Adamopoulos, S.**, Martinez, E. and D. Ramirez. 2005. Characterization of packaging grade papers from recycled raw materials through the study of fibre morphology and composition. In Proceedings of the 9th International Conference on Environmental Science and Technology, September 1-3, Rhodes island, Greece. Vol. A. pp. 18-25
  21. **Adamopoulos, S.**, Passialis, C. and E. Voulgaridis. 2001. Prediction of bending and shear strength properties by using nondestructive parameters in fir and black locust. In Proceedings of the 4th Workshop of COST Action E10: Wood properties for Industrial Use, 7-9 March, Bordeaux, France. pp. 34-40
  22. Voulgaridis, E., Passialis, C. and **S. Adamopoulos.** 2000. Wood quality characterization in black locust of different origin. In Proceedings of the 3rd Workshop of COST Action E10: Wood properties for Industrial Use "Measuring of wood properties, grades and qualities in the conversion chains and global wood optimization", 19-21 June, Espoo, Finland. pp. 147-162
  23. **Adamopoulos, S.** 1999. Silvicultural practices in relation to quality of timber produced in Greece. In Proceedings of the 2nd Workshop of COST Action E10: Wood properties for Industrial Use, 13-15 June, Tapada de Mafra, Portugal. pp. 50-53
  24. **Adamopoulos, S.** and E. Voulgaridis. 1998. Impregnation of timber and regulations applied to preservation practice in Greece. In Proceedings of the 4th International Symposium "The Challenge Safety and Environment in Wood Preservation", 2-3 Feb., Cannes-Mandelieu, France. pp. 31-41

- Other scholarly articles

**Adamopoulos, S.** and E. Voulgaridis. 2012. Wood quality and variation in relation to its utilisation. Pages 213-227 in A. Papageorgiou, G. Karetzos και G. Katsadorakis (Eds). Forest: An integrated approach. WWF Greece, Athens (in Greek)

### **Professional activities and achievements**

- External research funding

- Coordination of the FP7 project Research for the benefit of SME associations “Fibre+ – Innovative paper packaging products for European SMEs based on functional modification of recovered fibres” with total budget 1.2 M €, December 2012–November 2015, <http://www.fibreplus.org/>
- Participation in the EC research project LIFE09 ENV/ES/000454 WOODRUB “Utilisation of recovered wood and rubber for alternative composite products with total budget 1.8 M €, September 2010 – today, <http://www.woodrub.com/>
- Coordination of the project NSRF (National Strategic Reference Framework) 2007–2013 Archimedes III “RF-CORRUG – Quality control of raw materials from recovered fibres for the production of corrugated board” with total budget 90,000 €, January 2013 – December 2014
- Participation in the project NSRF (National Strategic Reference Framework) 2007–2013 Archimedes III “TRENATOIL – Development of an innovative preservative treatment method using natural oils to improve wood properties with total budget 90,000 euros, September 2012 – August 2013
- Participation in the project NSRF (National Strategic Reference Framework) 2007–2013 Thales “WOOLASER – Improvement of wood treatability in refractory to impregnation conifer species by surface drilling with laser” with total budget 500,000 €, January 2012 – December 2014
- Participation in the project funded by the Dutch company Plato International “Testing of Platowood products in a 3-year outdoor exposure in Greece using weathering and block-tests” with total funding 20,000 €, July 2011 – today
- Participation in the project FP7 project TORCHWOOD “Development of an affordable heat treatment process for wood” with total budget 1.3 M €, February 2010 – December 2010
- Technical coordination of the FP6 Collective Research MODELPACK “Advanced quality prediction tool for knowledge-driven packaging design and manufacturing in European SMEs” with total budget 2.8 M €, December 2006 – November 2009, <http://www.aidima.es/modelpack/coordinator2.htm>
- Coordination of the project within the Program EUREKA NASA E!2319 “Database of ecological materials for the manufacturing of furniture for elderly people” with total budget 2,000 €, January 2009 – February 2009
- Participation in the project funded by the Hellenic Ministry of Culture “Identification of wood and charcoal specimens from the ancient tomb of Mikri Doxipara, Evros Prefecture, Greece” with total budget 13,000 €, May 2006 – April 2007
- Coordination of the EC Marie Curie Post-Doctoral project “Characterisation of packaging from paper and paper products through the study of fibre composition” with total budget 100,000 €, May 2003 – November 2004
- Participation in the project EC project INCO-Copernicus ERB-IC 15 CT98-0135 “B.Lo.R.I.D.A.R. Black Locust (*Robinia pseudoacacia* L.) Resources Investigation for Degraded Areas Rehabilitation”. Participation in the research team, July 1999 – September 1999
- Participation in the project funded by the EC and the Greek Ministry of Industry, Energy and Technology “Utilization Potentials of Kenaf (*Hibiscus cannabinus* L.) in Door and Furniture Industry”, October 1996 – April 1997

- Research visits

- April – September 2009, October 2010 – September 2012, January-February 2013: Guest lecturer and researcher at Georg-August Universität Göttingen, Abteilung Holzbiologie & Holzprodukte, Germany. Within this period, several visits to Thünen Institute of Wood Research, Hamburg, contact Priv. Doz. Dr. habil. Gerald Koch, <http://www.ti.bund.de/en/startseite/institutes/wood-research/research-areas/wood-structure-wood-properties-and-wood-quality.html> for cooperation and joint publications in the wood anatomy area
  - May 2003 – November 2004: EC Marie Curie Post-doctoral fellow at AIDIMA, Valencia, Spain
  - 5-18/12/1998: Performance evaluation of painted pine wood specimens after 3-year natural exposure under different climatic conditions. Short Term Scientific Mission of COST Action E2 “Wood Durability” at BFH-Institute for Wood Biology and Wood Protection, Hamburg, Germany
  - 7-22/12/1996: Determination of the structural changes of weathered wood of beech and pine in surfaces and in depth (up to about 1 mm) as well as in painted wood surfaces after 1 or 2 years of natural exposure by the Scanning Electron Microscope. Short Term Scientific Mission of COST Action E2 “Wood Durability” at BFH-Institute for Wood Biology and Wood Protection, Hamburg, Germany
- Expert and reviewer tasks
    - Independent expert assisting the EC Research Executive Agency for evaluating research proposals within the call FP7-PEOPLE-2013-IAPP (February – March 2013)
    - Member of examining committee of applications for postdoctoral research scholarships in Greece for the academic year 2010-11 (May 2010)
    - Peer reviewed journals covered by ISI: IAWA journal (at least 2-3 times per year), Wood and Fiber Science (at least 2-3 times per year), Chemical Engineering Communications (at least 1 time per year), BioResources (at least 2-3 times per year), Dendrochronologia (at least 1 time per year), Canadian Journal of Forest Research (at least 1 time per year)
    - Peer reviewed journals: Journal of Tropical Forest Science (at least 2-3 times per year), Agricultural Science Research Journal (at least 1 time per year), Agriculture, Forestry and Fisheries (at least 1 time per year)
    - Greek peer reviewed journals: Forest Research (at least 1 times per year), Geotechnical Scientific issues (at least 1 times per year)
- Assessments for academic posts
    - Member of the Selection Committee for three (3) positions at the Department of Forestry and Management of Natural Environment the years 2007 and 2008
- Member of scientific organisations
    - Member of the International Association of Wood Anatomists (IAWA), 2007-
    - Member of the Geotechnical Chamber of Greece, 1996-
    - Member of the Hellenic Forestry Association, 1996-
    - Management Committee member of COST Action FP0904: Thermo-Hydro-Mechanical Wood Behaviour and Processing (2010 - )
    - Management Committee member of COST Action FP1003: Impact of Renewable Materials in Packaging for Sustainability - Development of Renewable Fibre and Bio-Based Materials for New Packaging Applications (2011 - )

- Management Committee member of COST Action E48: The Limits of Paper Recycling (2006-2009)
- Prizes and awards
  - EC Marie Curie post-doctoral (AIDIMA, Spain, 2003-2004)
  - PhD scholar of excellence (Aristotle University of Thessaloniki, 1999)
- Administrative qualifications and management tasks
  - Head of the Department of Forestry and Management of Natural Environment, Technological Educational Institute of Larissa, Greece (since 1st January 2013)
  - Vice Head of the Department of Forestry and Management of Natural Environment, Technological Educational Institute of Larissa, Greece (May 2011 – December 2012)
  - Vice responsible for the 3rd Section of Courses (Academic years 2006-07 & 2007-08)
  - Responsible for the 3rd Section of Courses (Academic year 2008-09)
  - Member of the Department Committee (Academic year 2008-09)
  - Responsibilities included monitoring of the implementation of the study programme in my Section, expenses, requests by other professors, etc.
  - Responsible for the new study programme of the Department (2010)

### **Teaching experience including supervision of doctoral and master level theses**

- Teaching at undergraduate and graduate level

#### Course 1: Wood Utilization and Wood Biotechnology

Year: 2013, University: Georg-August University of Gottingen, Department of Wood Biology and Wood Products, Germany, Level: Postgraduate (Master & PhD students), Number of academic credits: 6, Participant numbers: Aprox. 10, Degree of involvement (hours): 28 hours per semester (winter)

#### Course 2: Wood Science and Technology

Year: 2009 & 2010-2012, University: Georg-August University of Gottingen, Department of Wood Biology and Wood Products, Germany, Level: Postgraduate (Master & PhD students), Number of academic credits: 6, Participant numbers: Aprox. 10, Degree of involvement (hours): 56 hours per semester (winter and summer)

#### Course 3: Wood Products

Year: 2009 & 2010-2012 & 2013, University: Georg-August University of Gottingen, Department of Wood Biology and Wood Products, Germany, Level: Postgraduate (Master & PhD students), Number of academic credits: 6, Participant numbers: Aprox. 10, Degree of involvement (hours): 56 hours per semester (winter and summer)

#### Course 4: Ecological Wood Anatomy

Year: 2006 – 2010, University: Democritus University of Thrace, Greece, Level: Postgraduate (Master students), Number of academic credits: 4, Participant numbers: Aprox. 10, Degree of involvement (hours): 30 hours per semester (winter semester)

#### Course 5: Wood Quality and Utilization

Year: 2006 – 2010, University: Democritus University of Thrace, Greece, Level: Postgraduate (Master students), Number of academic credits: 2, Participant numbers: Aprox. 5, Degree of involvement (hours): 15 hours per semester (summer semester)

#### Course 6: Forest Utilisation (Harvesting, Wood anatomy & properties)

Year: 2006 – today, University: Technological Educational Institute of Larissa (University of applied Sciences), Greece, Level Undergraduate, Number of academic credits: 7, Participant

numbers: 90, Degree of involvement (hours): 6 hours per week (3 theory, 3 practice) in winter semester

#### Course 7: Wood Technology

Year: 2006 – today, University: Technological Educational Institute of Larissa (University of applied Sciences), Greece, Level: Undergraduate, Number of academic credits: 5, Participant numbers: 90, Degree of involvement (hours): 4 hours per week (2 theory, 2 practice) in summer semester

#### Course 8: Wood Structure and Properties

Year: 2004 – 2010, University: Democritus University of Thrace, Greece, Level: Undergraduate, Number of academic credits: 5, Participant numbers: Aprox. 60, Degree of involvement (hours): 40 hours per semester (winter semester)

#### Course 9: Wood Technology

Year: 2004 – 2010, University: Democritus University of Thrace, Greece, Level: Undergraduate, Number of academic credits: 5, Participant numbers: Aprox. 60, Degree of involvement (hours): 40 hours per semester (winter semester)

#### Course 10: Chemistry and Chemical Products of Wood

Year: 2004 – 2010, University: Democritus University of Thrace, Greece, Level: Undergraduate, Number of academic credits: 5, Participant numbers: Aprox. 60, Degree of involvement (hours): 40 hours per semester (summer semester)

Elective courses 11-15: Chemical Technology of Wood (winter semester), Preservative Treatment of Wood (summer semester), Technology of Glued Wood Products (winter semester), Wood Identification (winter semester), Wood Quality (summer semester)

Year: 2004 – 2010, University: Democritus University of Thrace, Greece, Level: Undergraduate, Number of academic credits: 2, Participant numbers: Aprox. 5, Degree of involvement (hours): 20 hours per semester

- Supervisor experience

#### Undergraduate level work

As an Associate Professor at the Department of Forestry and Natural Environment, Technological Educational Institute of Larissa, Greece I supervised 48 students in 28 diploma thesis works related to Forest Products area.

For every diploma thesis I was the exclusive responsible for selection of topic, guidance, supervision correction and evaluation. For diploma thesis work a 2-hours/per week from our working time is needed. Each diploma thesis has 20 academic credits in our Department.

Also, I participated in the Examination Committee of a very big number of other diploma thesis works at the Department.

I employed 11 students for the 6-month practical training in my Laboratory (Laboratory of Forest Utilisation and Wood Technology). The students worked 8-hours per day participating in the research and training activities of the Laboratory and got 30 academic credits.

#### Masters and Doctorate level work

1. Member of the Advisory Committee of 2 PhD thesis on gluing of modified wood and on fibre modification at the Department of Wood biology & Wood Products, University of Gottingen, Germany (2011 -)
2. Member of the Advisory Committee 1 PhD thesis on improvement of wood properties by using recycled polysterene at the Department of Forestry and Natural Environment, Aristotle University, Thessaloniki, Greece (2009 - 2013)

3. Member of the Advisory Committee and principal supervisor of 2 Master thesis on wood quality at the Department of Forestry & Management of the Environment and Natural Resources, Democritus University of Thrace, Greece (both finished in 2012)

- Non-university teaching

1. Participation of the staff training of wood and furniture companies at the Thessaly prefecture, Greece which took place at the Institute of Professional Education of Karditsa, Greece. Subject: Wood identification. Duration: 15 hours. Dates: 11.4.2008 – 13.4.2008
2. Lecturing 6 hours weekly of the wood technology related subjects Wood Machinery, Wood Technology, Technology of Furniture Manufacture at the Institute of Professional Education of Neapoli, Thessaloniki, Greece. The educated were students after high school looking for professional opportunities at wood and furniture companies. Academic period 1998 – 1999.

- Other pedagogical achievements and experience

1. Responsible for the organization and participation of the Department of Forestry and Natural Environment with a stand at the 11th International Educational Fair, Athens, 5-8 March 2009. Printed material and posters giving information of the Department were prepared with the assistance of the Lecturer George Efthimiou and students
2. Ecological wood anatomy, 5th International Winter School "Wood anatomy of tree rings", Davos Laret, Switzerland organized by the Swiss Federal Institute for Forest, Snow and Landscape Research (20-26/11/2005). During this study trip I had the opportunity to stay one week with approx. other 20 participants which are interested in teaching wood anatomy. The instructor was the Emeritus Professor F. Schweingruber who is renowned for his pedagogical methods in teaching wood anatomy. He might be contacted for references

### **Teaching and learning materials**

As Assistant Professor at the Technological Educational Institute of Thessaly, Greece I have prepared 2 textbooks (in Greek) for our undergraduate students:

- Forest Utilisation (theory and practice), 2008, 167 p.,
- Wood Technology (practice), 2008, 52 p.

As a Guest lecturer at University of Gottingen I have prepared laboratory materials to be used in my classes as well as by other professors (Prof. Holger Militz, Dr. Carsten Mai). The materials refer to fibre analysis techniques (Appendix 4) and examination of decayed wood.

### **Experience in educational leadership**

The period January – August 2013 I used to be the head of the Department of Forestry and Natural Environment, Technological Educational Institute of Thessaly, Greece (2013). My duties include participation in all Committees related to studies, research, administration and management of the Department.

Previously, my position as Associate Professor at the Department of Forestry and Natural Environment, Technological Educational Institute of Thessaly, Greece involved active participation in the administration:

- Vice responsible for the 3rd Section of Courses (Academic years 2006-07 & 2007-08)
- Responsible for the 3rd Section of Courses (Academic year 2008-09)
- Member of the Department Committee (Academic year 2008-09)

Responsibilities included monitoring of the implementation of the study programme in my Section, expenses, requests by other professors, etc.

In 2010 I was responsible for the new study programme of the Department. My duties involved analysis of the current state of the art in modern studies within the Forestry and Environmental areas and co-editing of the study programme.

### **Other information**

- Social skills and competences
  - Team work: I have worked with various wood and paper research teams in Greece (wood utilisation and wood technology group), Spain (Fibre based paper group) and Germany (wood modification group) and I have collaborated extensively with other scientists within the forest sector (geneticists, silviculturists, ecologists, etc.) as well as with wood, paper, furniture and related industries
  - Intercultural skills: I am experienced at working in a European dimension as an EU Marie Curie Post-Doctoral Fellowship at a Wood Technology Institute in Spain and as guest lecturer-researcher at Göttingen University, Germany. Also, I have actively participated in 2 scientific missions and various Workshops of 4 COST Actions of the forest product sector for a period of more than 15 years
- Organisational skills and competences
  - Responsible for a number of industrial applied research projects
  - Responsible for an EC Marie Curie post-doctoral research project
  - Academic experience in lecturing of wood related subjects at undergraduate and postgraduate level
- Technical skills and competences
  - Wood science (anatomy, ultrastructure, properties) and technology of wood and fibre products
  - Wood and fibre modification (thermal, chemical, impregnation)
  - Wood protection and wood preservation
  - Paper properties and recovery
  - Wood recovery
- Other skills and competences
  - Experience in the wood-based industry, knowledge of wood and wood products quality, forestry issues, market conditions and requirements
  - Experience in the commissioning and completion of research projects to the EC (technical coordinator of 2 EC projects within FP6 and FP7)