CURRICULUM VITAE

Dr. ANTONIOS N. PAPADOPOULOS

Drama, October 2010

Name **ANTONIOS PAPADOPOULOS**

Date of birth 25-11-1974

Place of birth Thessaloniki

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EDUCATION

- *Doctor of Philosophy (Ph.D)* in Wood Chemistry and Technology. University of Wales Bangor. School of Agricultural and Forest Sciences. (November 1999- November 2001). Title thesis: Swelling, cell wall porosity and chemical modification of wood.

- *Master of Science (M.Sc)* in Biocomposite Technology. University of Wales Bangor. School of Agricultural and Forest Sciences. Distinction degree. (September 1998 - September 1999). Title thesis: The effect of selected process variables on the mechanical properties and dimensional stability of particleboard.

- *B.Sc* Forestry. (1994-1997). Technological Educational Institute of Drama, branch of Kavala, Department of Forestry, Greece. Distinction degree (Class 1).(March 1994 - September 1997).

WORKING EXPERIENCE

Lecturer (13-10-2005 – present), in the field of wood technology and chemistry. Technological Educational Institute of Kαvala, Branch of Drama, Department of Forestry and Management of Natural Environment.

Researcher, in the project Archimed I 'Utilisation of agricultural residues for the manufacture of boards with low formaldehyde emission'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-01-2005 ἑως 31-12-2006).

Researcher, in the project 'Manufacture of laminated wood with finger joints'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-11-2004 ἑως 31-12-2004).

Researcher, in the project 'Development of new wood products in the wood sector of West Macedonia-Greece'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-03-2004 ἑως 30-09-2004).

Researcher, in the project 'Strategies for the production of cement bonded Oriented strand Board'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-07-2004 ἑως 30-09-2004).

Researcher, in the project 'Dimensional stability of chemically modified wood'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-05-2004 ἑως 30-06-2004).

Researcher, in the project '*Quality control of wood based panels*'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (12-12-2002 ἑως 12-12-2003).

Researcher, in the project 'Monitoring *wood and furniture industries in Thessaly area, Central Greece'*. Τεχνολογικό Εκπαιδευτικό Ἱδρυμα Λάρισας, Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (15-11-2002 ἑως 31-12- 2002).

Researcher, in the project 'Development of student practical exercise in wood and furniture wood industries'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-10-2001 ἑως 31-08- 2002).

Researcher, in the project 'Durability of chemically modified wood'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-02-2001 ἑως 31-08- 2001).

PROJECT LEADER

- Laboratory production of innovative Oriented Strand Board using cement as a binder. (Cement Bonded Oriented Strand Board). Duration 1-10-2006 έως 1-10-2008.

  Funding: Research Committee of TEI Kavala

  Budget 3.000 euro

PARTICIPATION IN RESEARCH PROJECTS

- **Researcher,** in the project Archimed I 'Utilisation of agricultural residues for the manufacture of boards with low formaldehyde emission'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-01-2005 έως 31-12-2006).

- **Researcher,** in the project 'Manufacture of laminated wood with finger joints'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-11-2004 έως 31-12-2004).

- **Researcher,** in the project 'Development of new wood products in the wood sector of West Macedonia-Greece'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-03-2004 έως 30-09-2004).

- **Researcher,** in the project 'Strategies for the production of cement bonded Oriented strand Board'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-07-2004 έως 30-09-2004).

- **Researcher,** in the project 'Dimensional stability of chemically modified wood'. Technological Educational Institute of Larisa, Branch

of Karditsa, Department of Wood and Furniture Technology-Design. (01-05-2004 ἑως 30-06-2004).

- **Researcher,** in the project '*Quality control of wood based panels*'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (12-12-2002 ἑως 12-12-2003).

- **Researcher,** in the project 'Monitoring *wood and furniture industries in Thessaly area, Central Greece'.* Τεχνολογικό Εκπαιδευτικό Ἱδρυμα Λάρισας, Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (15-11-2002 ἑως 31-12- 2002).

- **Researcher,** in the project 'Development of student practical exercise in wood and furniture wood industries'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-10-2001 ἑως 31-08- 2002).

- **Researcher,** in the project 'Durability of chemically modified wood'. Technological Educational Institute of Larisa, Branch of Karditsa, Department of Wood and Furniture Technology-Design. (01-02-2001 ἑως 31-08- 2001).

SUMMARY OF PUBLICATION RECORD

(A)	**Papers in journals with citation index**	**(39)**
(B)	**Papers in journals with out citation index**	**(23)**
(C)	**Papers in conference proceedings**	**(46)**
(D)	**Papers in journals with out review**	**(9)**
(E)	**Book chapters**	**(1)**

SUMMARY OF CITATION RECORD

According to the **Journal Citation Index** (until 9/2010, www.scopus.com , www.scholar.google.gr) the total citations received are **233**

According to the **Journal Citation Index** (until 9/2010, www.scopus.com , www.scholar.google.gr) the total impact factor of the published papers is **39.30**.

REVIEWER IN JOURNALS

- **Holzforschung**
  1. *Swelling of larch wood in organic liquids (September 2007)*
  2. *The reduction in the fibre saturation point of wood due to chemical modification using anhydride reagents: A reappraisal (January 2008)*
  3. *Adsorption rate of wood during moisture sorption processes (February 2009)*

- **Holz als Roh-und Werkstoff**
  1. *Manufacturing particleboards using hazelnut husk and European black pine wood mixture (August 2006)*
  2. *The manufacture of particleboards using mixture of Reed (surface layer) and commercial species middle layer (Sepetmber 2009)*
  3. *The manufacture of particleboards using mixture of Reed (surface layer) and commercial species middle layer (January 2010)*

- **Wood Science and Technology**
  1. *Reversivle volumetric changes of acetylated wood with after treatment (November 2004)*
  2. *Fitting the multi-temperature sorption data – a simple method for the prediction of energetics of water sorption by wood (October 2007)*
  3. *The manufacture of particleboards using mixture of Reed (surface layer) and commercial species (middle layer)(March 2009)*

4. *Influence of utilisation of bagasse in surface layer on bending strength of three layer of particleboard (Sepetmber 2009)*
5. *Dynamic vapour water sorption properties of wood treated with glutaraldehyde (October 2009)*
6. *Influence of utilisation of bagasse in surface layer on bending strength of three layer of particleboard (November 2009)*

- **Bioresource Technology**
  1. *Evaluation of mechanical, physical properties and decay resistance of particleboard made from particles impregnated with Pinus brutia bark extract (May 2005)*
  2. *Some of the properties of one layer particleboard made from the litter of Scotch pine (July 2006)*

- **Numerical Heat Transfer – An International Journal of Computation and Methodology**
  1. *Finite element analysis of coupled non-linear heat and moisture transfer in wood (November 2005)*

- **Journal of Tropical Forest Science**
  1. *Decay resistance study of esterified and oligoesterified rubber wood (March 2004)*

- **Journal Environmental Biology**

1. *Some technological propertiesof pine (Pinus nigra) and fir (Abies bornmulleriana) wood heat treated using the Thermowood Process (December 2009)*

- **Thermochimica Acta**

1. *Sorption behaviour of African tropical woods (August 2005)*
2. *Effect of enthalpy-entropy compensation during sorption of water vapour in tropical woods: the case of Bubinga (June 2007)*

- **Journal of Materials: Design and Applications**

1. *Particleboard made from waste paper flakes treated with maleic anhydride (January 2009)*
2. *Analysis of structure and bending property og quasi-three dimensional fabric composite (November 2009)*

- **Scientific Research Essays**

1. *Selected physico-mechanical properties of cement-bonded particleboard made from pine sawdust-coir combination (March 2008)*

- **African Journal of Microbiology Research**

1. *Colour removal of textile dyes by culture extracts obtained from white rot fungi (December 2008)*

- **Journal of Agricultural Science and Technology**

1. *Bonding strength of hydrothermally modified beech wood (June 2010)*

- **Fire and Materials**
  1. *Processing of urea-formaldehyde based particleboard from hazelnut shell and improvement of its requirements (January 2009)*
  2. *Processing of urea-formaldehyde based particleboard from hazelnut shell and improvement of its fire and water resistance (April 2009).*

- **Journal of Composite Materials**
  1. *Utilisation of waste of window joints for particleboard composite manufacturing (December 2009)*
  2. *Utilisation of waste of window joints for particleboard composite manufacturing (January 2010)*

- **Materials**
  1. *Some properties of strand board panels manufactured from Eastern Redcedar (June 2009)*

- **Environmental Engineering and Management Journal**
  1. *The use of waste materials for thermal insulation in buildings and environmental protection (June 2010)*

- **BioResources**
  1. *Roughness of esterified cotton wood (July 2010)*
  2. *Enhanced properties and biological resistance of chemically modified Acacia ssp. (September 2010)*

- **Journal of Horticulture and Forestry**

1. Floristic composition and canopy structure of homogardens of Sao Luis city, Marahao State, Brasil (November 2009)

PUBLICATION RECORD

(A) Papers in journals with citation index

(A1) Papadopoulos A.N., Hill C.A.S., Traboulay E. and J.R.B Hague (2002). Isocyanate resins for particleboard: PMDI *vs* EMDI. *Holz als Roh-und Werkstoff 60(2):81-83.*

(A2) Hill C.A.S and **A.N. Papadopoulos** (2002). The pyridine catalysed acylation of sapwood and phenolic model compounds with carboxylic acid anhydrides. Determination of activation energies and entropy of activation. *Holzforschung 56(2): 150-156.*

(A3) Papadopoulos A.N., C.A.S Hill and A. Gkaraveli (2003). Determination of surface area and pore volume of holocellulose and chemically modified wood flour using the nitrogen adsorption technique. *Holz als Roh-und Werkstoff 61(6):453-456.*

(A4) Papadopoulos A.N. and C.A.S Hill (2003). The sorption of water vapour by anhydride modified softwood. *Wood Science and Technology* 37(3-4):*221-231.*

(A5) Hill C.A.S and **A.N. Papadopoulos** (2004). Chemical modification employed as a means of probing the cell wall micropore of pine sapwood. *Wood Science and Technology 37(6):475-488.*

(A6) Papadopoulos A.N., C.A.S Hill and A. Gkaraveli (2004). Analysis of the swelling behaviour of chemically modified softwood: A novel approach. *Holz als Roh-und Werkstoff* 62(2*):107-112*.

(A7) Papadopoulos A.N. and E. Traboulay (2002). Dimensional stability of OSB made from acetylated fir strands. *Holz als Roh-und Werkstoff 60(2):84-87.*

(A8) Papadopoulos A.N. and C.A.S. Hill (2002). The biological effectiveness of wood modified with linear chain carboxylic acid anhydrides against *Coniophora puteana*. *Holz als Roh-und Werkstoff 60(5):329-332*.

(A9) Papadopoulos A.N., E. Traboulay and C.A.S. Hill (2002). One layer Experimental Particleboard from Coconut Chips -(*Cocos nucifera L.*). *Holz als Roh-und Werkstoff 60(6):394-396.*

(A10) Papadopoulos A.N. and J.R.B. Hague (2003). The potential for using flax (*Linum usitatissimun)* shiv as a lignocellulosic raw material for particleboard. *Industrial Crops and Products 17(2):143-147.*

(A11) Papadopoulos A.N. and A. Gkaraveli (2003). Dimensional stabilization and strength of particleboard by chemical modification with propionic anhydride. *Holz als Roh-und Werkstoff 61(2):142-144.*

(A12) Papadopoulos A.N, Hill C.A.S., A. Gkaraveli , Ntalos G., and S. Karastergiou. (2004). Bamboo chips (*Bambusa vulgaris*) as an alternative lignocellulosic raw material for particleboard manufacture**.** *Holz als Roh-und Werkstoff 62(1):36-39.*

(A13) Papadopoulos A.N, and G.A. Ntalos (2004). The effect of wood defects on chemical modification with acetic anhydride**.** *Holz als Roh-und Werkstoff 62(5):395-396.*

(A14) Papadopoulos A.N. (2005). Moisture adsorption isotherms of two esterified Greek hardwoods. *Holz als Roh-und Werkstoff 63(2):123-128.*

(A15) Papadopoulos A.N, Avramidis S. and D. Elustondo (2005). The sorption of water vapour by chemically modified softwood: Analysis using various sorption models. *Wood Science and Technology 39(2): 99-112.*

(A16) Papadopoulos A.N. (2005). An investigation of the cell wall ultrastructure of the sapwood of the ten Greek wood species by means of chemical modification. *Holz als Roh-und Werkstoff 63(6):437-441.*

(A17) Papadopoulos A.N, Ntalos G.A. and K. Soutsas (2006). Bonding behaviour of chemically modified wood particles for board production. *Holz als Roh-und Werkstoff 64(1):21-23.*

(A18) Papadopoulos A.N. (2006). Pyridine-catalyst acetylation of pine wood: influence of mature sapwood *vs* juvenile wood. *Holz als Roh-und Werkstoff 64(2):134-136***.**

(A19) Papadopoulos A.N. (2006). Decay resistance of acetylated OSB in ground stake test. *Holz als Roh-und Werkstoff 64(3): 245-246***.**

(A20) Papadopoulos A.N , G.A. Ntalos and I.A Kakaras (2006). Mechanical and physical properties of cement-bonded OSB. *Holz als Roh-und Werkstoff 64(6):517-518.*

(A21) Papadopoulos A.N. (2007). Natural durability in ground stake test of propionylated particleboards. *Holz als Roh-und Werkstoff 65(2):171-172*.

(A22) Papadopoulos A.N. (2007). An investigation of the suitability of some Greek wood species in wood-cement composites manufacture. *Holz als Roh-und Werkstoff 65(3):245-246*.

(A23) Papadopoulos A.N., P. Duquesnoy, S.M. Cragg and A.J. Pitman (2008). The resistance of wood modified with linear chain carboxylic acid anhydrides to attack by the marine wood borer *Limnoria quadripunctata* Hothius *International Biodeterioration & Biodegradation 61(2):199-202*.

(A24) Papadopoulos A.N., D. Avtzis and N. Avtzis (2008). The biological effectiveness of wood modified with linear chain carboxylic acid anhydrides against the subterranean termites *Reticulitermes flavipes. Holz als Roh-und Werkstoff 66(4):249-252*.

(A25) Papadopoulos A.N. (2008). The effect of acetylation on bending strength of finger jointed beech wood (*Fagus sylvatica* L.). *Holz als Roh-und Werkstoff 66(4):309-310*.

(A26) Papadopoulos A.N. (2008). The sorption of water vapour of wood modified with isopropyl glycidyl ether. *Wood Research 53(2): 39-44*.

(A27) Papadopoulos A.N. (2008). Natural durability and performance of hornbeam cement bonded particleboard. *Maderas. Ciencia y Tecnologia 10(2): 93-98*.

(A28) Papadopoulos A.N. (2008). Performance of cement bonded boards made from maple particles**.** *Holz als Roh-und Werkstoff 66(5):385-387.*

(A29) Papadopoulos A.N. (2009). Laboratory-made cement - bonded OSB with negligible swelling: fact or fantasy? *European Journal of Wood and Wood Products 67(1):117-118.*

(A30) Papadopoulos A.N. (2009). Decay resistance in ground stake test of acetylated OSB after six years of testing *European Journal of Wood and Wood Products 67(3):365-366.*

(A31) Papadopoulos A.N. (2009). Physical – mechanical properties and durability against basidiomycetes of particleboards made from cement and *C. betulus* L. wood particles. *Wood Research 54(2):95-100.*

(A32) Mantanis G.I and **A.N. Papadopoulos** (2010). The sorption of water vapour of wood treated with a nanotechnology compound *Wood Science and Technology 44:515-522.*

(A33) Mantanis G.I and **A.N. Papadopoulos** (2010). Reducing the thickness swelling of wood based panels by applying a nanotechnology compound *European Journal of Wood and Wood Products 68(2):237-239.*

(A34) Papadopoulos A.N. and G. Pougioula (2010). Mechanical behaviour of pine wood chemically modified with a homologous series of linear chain carboxylic acid anhydrides. *BioResource Technology 101(15):6147-6150.*

(A35) Papadopoulos A.N., Militz H. and A. Pfeffer (2010). The biological behaviours of pine wood chemically modified with linear chain

carboxylic acid anhydrides against soft rot fungi. *International Biodeterioration & Biodegradation 64(5):409-412.*

(A36) Papadopoulos A.N., Tountziarakis P. and G. Pougioula (2010). Fire resistance of two panel products made from chemically modified raw material. *Maderas. Ciencia y Tecnologia 12 (1):53-55.*

(A37) Papadopoulos A.N. (2010). Durability of particleboards made from wood particles chemically modified with propionic anhydride: Results after six years in ground stake-test. *European Journal of Wood and Wood Products 68(3):353-354.*

(A38) Papadopoulos A.N. and P.Tountziarakis (2010). The effect of acetylation on the Janka hardeness of pine wood. *European Journal of Wood and Wood Products (in press)*

(A39) Papadopoulos A.N., Militz H. and A. Pfeffer (2011). Durability of pine wood modified with a series of linear chain carboxylic acid anhydrides against soft rot fungi. *Wood Research (in press)*

→ **<u>Total number: thirty nine (39)</u>**

(B) Papers in journals with out citation index

(B1) Papadopoulos A.N. and C.A.S. Hill (2001). Urea formaldehyde and PMDI isocyanate resin for particleboard: Property comparison and

the effect of selected process variables on their bonding efficiency. *Journal of the Institute of Wood Science 15(5): 278-283.*

(B2) Papadopoulos A.N. and C.A.S Hill (2003). The effect of process variables upon the bonding efficiency of EMDI bonded particleboards. *Journal of the Institute of Wood Science 16(3):179-181.*

(B3) Hill C.A.S and **A.N. Papadopoulos** (2001). A review of methods used to determine the size of the cell wall microvoids of wood. *Journal of the Institute of Wood Science 15(6):337-345.*

(B4) Papadopoulos, A.N. (2001). Swelling, cell wall porosity and chemical modification of wood. *Journal of the Institute of Wood Science 15(6):347.*

(B5) Ntalos GA, **Papadopoulos AN,** Tantos VA and IG Chouliaras (2003). Treatment of MSW landfill leachate by electrochemical oxidation. *Journal of International Research Publications* Bulgaria, Science Invest LTD., branch Bourgas, Vol. IV, Issue Technomat & Infotel – Matarials, Methods and Technology, pp 1-5.

(B6) Papadopoulos A.N. (2004). Dimensional stability and decay resistance against *Coniophora puteana* of Scots pine sapwood due to reaction with propionic anhydride. *Journal of the Institute of Wood Science 16(4):211-214.*

(B7) Kakaras I. and **A.N. Papadopoulos** (2004). The effects of drying temperature of wood chips upon the internal bond strength of particleboard. *Journal of the Institute of Wood Science 16(5):277-279.*

(B8) Ntalos G.A. and **A.N. Papadopoulos** (2005). Noise emission levels in Greek wood and furniture processing industry. *Journal of the Institute of Wood Science 17(2): 99-103.*

(B9) Ntalos G.A. and **A.N. Papadopoulos**. (2006). Determination of key board properties based on cylindrical specimens**.** *Journal of the Institute of Wood Science 17(3):146-147.*

(B10) Papadopoulos A.N. (2006). Decay resistance of cement bonded Oriented Strand Board. *Bioresources 1(1): 62-66.*

(B11) Papadopoulos A.N. (2006). Chemical modification of pine wood with propionic anhydride: Effect on decay resistance and sorption of water vapour . *Bioresources 1(1): 67-74.*

(B12) Papadopoulos A.N. (2006). Property comparisons and bonding efficiency of UF and PMDI bonded particleboards as affected by key process variables. *Bioresources 1(2):201-208.*

(B13) Papadopoulos A.N., Takos I and D. Emmanouloudis. (2007). The sorption of water vapour of elm wood chemically modified with acetic or maleic anhydride. *Journal of International Research Publications* Bulgaria, Science Invest LTD., branch Bourgas, Vol. 1, Issue Technomat & Infotel – Materials, Methods and Technology, pp 115-123.

(B14) Papadopoulos A.N. (2007). Experimental particleboard made from wood bark mixtures and bonded with EMDI resin**.** *Journal of the Institute of Wood Science 17(4):223-224.*

(B15) Papadopoulos A.N. (2007). The application of various resin systems in the manufacture of wood-straw composites. *Journal of International Research Publications* Bulgaria, Science Invest LTD.,

branch Bourgas, Vol. 2, Issue Technomat & Infotel – Materials, Methods -and Technology, pp 98-103.

(B16) Papadopoulos A.N.(2007). Physical-mechanical properties and decay resistance of *Acer platanoides L.* cement bonded particleboards. *Journal of International Research Publications* Bulgaria, Science Invest LTD., branch Bourgas, Vol. 2, Issue Technomat & Infotel – Materials, Methods -and Technology, pp 81-87.

(B17) Papadopoulos A.N. (2008). Mechanical properties and decay resistance of hornbeam cement bonded particleboard. *Research Letters in Materials Science.* Article ID 379749, 4 pages. Doi:10.1155/2008/379749.

(B18) Papadopoulos A.N. and G.J. Goroyias (2008). Performance of CCB (Chromium-Copper-Boron) and creosote treated fence posts after 18 years of exposure in Greece. *Journal of the Institute of Wood Science 18(1): 19-23.*

(B19) Papadopoulos A.N., Gkaraveli A, and T. Merou. (2009). Social trends of the people of the region of Eastern Macedonia and Thrace – Greece- about the potential of using biofuels from forest products residues. *The Environmentalist 29:333-335.*

(B20) Papadopoulos A.N. (2009). Decay Resistance of Cement Bonded Oriented Strand Board. *Journal of the Institute of Wood Science 18(2):*109-111.

(B21) Papadopoulos A.N., Gkaraveli A. and T. Merou. (2009). Utilization of biofuels from forest products residues in the periphery of

Eastern Macedonia and Thrace – Greece. *Journal of the Institute of Wood Science 19(1):44-47.*

(B22) Skarvelis M. and **Papadopoulos A.N**. (2009). Classification of forest products in Greece: The case of wood flooring**.** *Journal of the Institute of Wood Science 19(2):104-108.*

(B23) Papadopoulos A.N. (2010). Chemical modification of solid wood and wood raw materials for composites production with linear chain carboxylic acid anhydrides: a brief Review. *Bioresources 5(1): 499-506.*

→ **Total number: twenty three (23)**

(C) Papers in conference proceedings

(C1) Papadopoulos A.N. (2000). Urea formaldehyde and isocyanate resins: Property comparisons. *Proceedings of the 4th European Panel Products Symposium.* Llandudno, Wales, U.K. pp: 279-283.

(C2) Papadopoulos A.N. (2001). Bonding efficiency of UF and EMDI bonded particleboards as affected by mat moisture and wax content. *Proceedings of the 5th European Panel Products Symposium.* Llandudno, Wales, U.K. pp: 277-279.

(C3) Kakaras J., **Papadopoulos A.N**., Goroyias G., Hale M.D. and M.C. Breese (2001). The effect of 18 years exposure on toughness of treated pine fence posts in Greece. *Proceedings of the 5th European Panel Products Symposium*. Llandudno, Wales, U.K. pp: 298-302.

(C4) Papadopoulos A.N., C.A.S Hill and M.D. Hale (2001). Efficacy of linear chain linear chain carboxylic acid anhydrides as wood protection chemicals. *Proceedings of the 5th European Panel Products Symposium*. Llandudno, Wales, U.K. pp: 288-292.

(C5) Papadopoulos A.N. and C.A.S Hill (2001). The biological effectiveness of wood modified with linear chain carboxylic acid anhydrides against brown rot fungi. *Proceedings of the International Conference: FOREST RESEARCH: a challenge for an integrated European approach*. Thessaloniki, Greece, pp: 811-816.

(C6) Papadopoulos A.N., M.D. Hale and C.A.S Hill (2002). Efficacy of linear chain carboxylic acid anhydrides as wood protection chemicals. *International Research Group on Wood Preservation*. Cardiff, Wales, U.K. (Document No. IRG/WP 02-30295).

(C7) Kakaras J., Goroyias G., **Papadopoulos A.N**. and M.D. Hale. (2002). Observation on the performance of CCB and creosote treated fence posts after 18 years of exposure in Greece. *International Research Group on Wood Preservation*. Cardiff, Wales, U.K. (Document No. IRG/WP 02-30288).

(C8) Papadopoulos A.N. and J. Kakaras (2002). Bonding efficiency of UF and EMDI bonded particleboards as affected by mat moisture and wax content. *Proceedings of the 4th International Wood and*

Natural Fibre Composites Symposium. Kassel, Germany. pp: 47:1-47:3.

(C9) Papadopoulos A.N. and J.A. Kakaras (2002). Bonding efficiency of UF and EMDI bonded particleboards as affected by platen temperature. *Proceedings of the 6th European Panel Products Symposium*. Llandudno, Wales, U.K. pp: 1-3.

(C10) Kakaras A.J. and **A.N. Papadopoulos** (2002). The effect of drying temperature of wood chips on the internal bond strength of particleboard. *Proceedings of the 6th European Panel Products Symposium*. Llandudno, Wales, U.K. pp: 18-20.

(C11) Papadopoulos A.N. and G. Ntalos (2002). EMDI isocyanate resin for particleboard: The effect of process variables on its bonding efficiency. *Proceedings of the International Symposium* on *Wood based Materials-Wood Composites and Chemistry*. *Proceedings: Symposium Wood kplus*- Cost action E13 Workshop, Vienna, Austria. pp: 41-44.

(C12) Hill C.A.S., M.D. Hale, M.R. Farahani, S. Forster, E.D. Suttie, D.L. Jones, and **A.N. Papadopoulos** (2003). Decay of Anhydride Modified Wood. *Proceedings of the 1st European Conference on Wood Modification*. Ghent, Belgium. Pp: 143-152.

(C13) Ntalos, G., **Papadopoulos A.N**., Karastergiou, S., Mantanis, G. and J. Kakaras (2003). Dimensional stability and decay resistance against *Coniophora puteana* of Scots pine sapwood due to reaction with propionic anhydride. *Bulgarian Academy of Sciences, Forest Research Institute*. *Proceedings of Scientific papers*. Sofia, Bulgaria. Pp: 269-274.

(C14) Ntalos G., **Papadopoulos A..N**, Tantos V. and J. Chouliaras (2003). The potential using of flax and vine pruning chips as alternative lignocellulosic raw materials for particleboard manufacture. In: *Proc. of the 5th International Symposium Technomat & Infotel*, Bourgas, Bulgaria. Pp: 145-149.

(C15) Papadopoulos, A.N. (2004). Dimensional stabilisation and strength of OSB by chemical modification with acetic anhydride. *Proceedings of the 8th World Conference on Timber Engineering*. Lathi, Finland. Pp: 5400: 23-25.

(C16) Παπαδόπουλος A.N., Καραστεργίου Σ.Π., Νταλός Γ.Α., Μαντάνης Γ.Ι. και Ι.Α. Κακαράς (2004). Θερμικά τροποποιημένη ξυλεία στην Ευρώπη: Υφιστάμενη κατάσταση-προοπτικές. *Πρακτικά 1ου Πανελληνίου Περιβαλλοντικού Συνεδρίου*. Ορεστιάδα, σελ: 418-424.

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