

Curriculum Vitae



Personal Information

Name:Ajang
Surname:Tajdini
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Place of Birth:Tehran
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Position

Associate Professor in Forest Products Marketing and Economics (grade 11)
Department of Wood and Paper Science and Technology
Faculty of Agriculture and Natural Resources
Islamic Azad University-Karaj Branch
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Education

Ph.D: 2005,Forest Products Economics/Islamic Azad University-Sciences and Researches Branch,Tehran,Iran
Ms.C:1999,Wood and Paper Science and Technology/University of Tehran ,Faculty of Natural Resources,Karaj,Iran
Bs.c: 1996,Wood and Paper Science and Technology/University of Tehran ,Faculty of Natural Resources,Karaj,Iran

Research Interests

Forest Products Marketing
Forest Economics
Economic Forecasting
Customer Satisfaction
Statistical Methods in Wood and Paper Sciences

Current Teaching

Course Title	Degree	Levels	Course ID	Credits
Probability & Statistics		Bs.C	55318	2
Engineering Statistics		Bs.C	55319	2
Advanced Statistical Methods		Ms.C	55015	3
Forest Products Marketing		Bs.C	55315	2
Research Methodology		Ms.c	55029	2

Professional Experiences

Dean of Faculty of Agriculture and Natural Resources, Islamic Azad University –Karaj Branch: 2006-2011

Articles

- 1)Tajdini,A.,Amiri,S.,Peykani,G.R.,Latibari,A.J. and Hemmasi,A.H.2007. An Optimized programming model for establishing pulp & paper factories using cereal straw with an annual production capacity of 75000 mt of pulp in Mazandaran province. Iranian Journal of Natural Resources, 60(1):225-242
- 2)Tajdini,A.,Roohnia ,M.,Darvishqadima,F. and Moradbak,A.2008. Structural Analysis and consumption prediction on fine papers(writing and printing paper&newspaper) in Iran. Journal of Sciences and Techniques in Natural Resources, 3(3):27-42
- 3)Tajdini,A. and Roohnia ,M.2008 .Investigation and prediction on fluting paper supply & demand in. Iranian Journal of Wood and paper Science Research, 23(2):123-135
- 4)Roohnia,M. and Tajdini,A.2008. Investigation on the Possibility of Modulus elasticity and damping factor measurements ,in timbers from Arizona Cypress using free vibration NDT in comparison with static bending and forced vibration NDT. Journal of Agricultural Sciences, 13(4):1017-1027
- 5)Latibari,A.J., Roohnia,M.,Tajdini,A.,Darvishqadima,F. and Moradbak,M.2008. Feasibility of Utilizing Corn Stalk Residues in Chemi- Mechanical Pulping (CMP) and Papermaking. Quarterly Journal of Applied Chemical Research , 2(6):34-44
- 6) Bayramzadeh,V.,Attarod,P.,Shirvani,A.,Heshmatolvaezin,S.M.,Roohnia,M. and Tajdini,A. 2009. Vessel Element length Related to the Physiological Traits of Leaves in *Fagus crenata* Seedlings Originated from Different Provenances . Research Journal of Environmental Sciences, 3(4):461-465
- 7)Attarod,P., Bayramzade,V., Tajdini,A. and Roohnia,M.2009. Annual Trends in Evapotranspiration from Major Vegetations of Thailand. American Journal of Plant Physiology, 3(4):100-108
- 8)Biglari,M.,Tajdini,A.,Roohnia,M. and Borimnejad,V.2010. Estimation of Demand and Supply function of Writing & Printing Paper in Iran. Journal of Sciences and Techniques in Natural Resources, 5(1):39-54
- 9)AlaviTabar,S.E.,Roohnia,M. and Tajdini,A.2009. Investigation on Quality and Damping in Iranian Beech Timbers. Journal of Sciences and Techniques in Natural Resources, 4(2):59-68
- 10)Roohnia,M.,Alavitabar,S.E.,Hossein,M.A.,Brancheriau,L. and Tajdini,A.2011. Dynamic Modulus of Elasticity of Drilled Wooden Beams. Nondestructive Testing and Evaluation, 26(2):141-153
- 11)Tajdini,A.,Tavakkoli,A.,Roohnia,M. and Jahan Latibari,A.2010. Factors Influencing Corrugated Board supply and Demand in Iran: A Systematic Approach. Journal of Sciences and Techniques in Natural Resources, 5(3):31-44
- 12)Tavakkoli,A.,Tajdini,A.,Roohnia,M. and Jahan Latibari,A.2011. Simultaneous estimation of demand and supply functions & production and consumption projection of corrugated board in Iran. Iranian Journal of Wood and paper Science Research, 26(2):256-270

- 13)Roohnia,M.,Hashemitabalvandani,S.M.,Shafie,P. and Tajdini,A.2011. Damping factor of *Pinus silvestris* timbers in longitudinal, transverse and torsional free vibrations. *Journal of Sciences and Techniques in Natural Resources*,5(4):19-30
- 14)Roohnia,M.,Yavari.A. and Tajdini,A.2010. Elastic Parameters of Poplar Wood with End-Cracks . *Annals of Forest Science*,67(4):409-414
- 15)Roohnia,M.,Behnam,B.,Hossein,M.A.,Alavitabar,S.E.,Tajdini,A. and Manouchehri,N.2010. Evaluating the Dynamic Modulus of Elasticity of Arizona Cypress Wood Using Iranian Forced Vibration System. *Journal of Sciences and Techniques in Natural Resources*,5(2):61-73
- 16)Roohnia,M.,Hossein,M.A.,Alavitabar,S.E.,Tajdini,A.,Latibari,A.J. and Manouchehri,N.2011. Acoustic Properties in Arizonica Cypress Logs: A Tool to Select Wood for Sounding Board.*BoiResources*,6(1):386-399
- 17)Roohnia,M.,Tajdini,A. and Manouchehri,N.2011. Assessing Wood in Sounding Boards Considering the ratio of Acoustical Anisotropy. *NDT&E International*,44(?)13-20
- 18)Roohnia,M.,Hashemidizaji,S.F.,Brancheriau,L.,Tajdini,A.,Hemmasi,A.H.andManouchehri,N.2011. Effect of soaking process in water on the acoustical quality of wood for traditional musical instruments.*BioResources*,6(2):2055-2065
- 19)Hosseinpour,R., Jahan Latibari,A.,Tajdini,A.,Sepidehdam,S.J. and Hossein,M.A.2012.Potential of Rapeseed Stem in Papermaking.*Iranian Journal of Chemistry and Chemical Engineering*,30(4):83-95
- 20)Jahan Latibari,A.,Hosseinpour,R.,Farnood,R.,Tajdini,A. and Sepidehdam,S. J.2010. Investigation on The Effect of Chemical Treatment on The Properties of Chemi-Mechanical Pulp from Rapeseed Stem. *Journal of Wood &Forest Science and Technology*,17(2):1-20
- 21)Hosseinpour,R.,Jahan Latibari,A.,Tajdini,A.,Sepidehdam,S.J and Hossein,M.A.2011. Investigation on the Influence of Chemical Treatment Time and Temperature on the Properties of CMP from Colza Stem. *Iranian Journal of Wood and Paper Science Research* , 26 (2):371-386
- 22)Darvishqadima,F.,Jahan Latibari,A.,Sepidehdam,S.J.Tajdini,A. and Moradbak,A.2008. The study of the properties of the high yield pulp from corn stalks . *Journal of Sciences and Techniques in Natural Resources*,3(4):27-42
- 23)Hossein,M.A.,Sepidehdam,S.J.,Jahan Latibari,A. and Tajdini,A.2011. Investigation on Properties of Soda and Soda/AQ Pulps from Corn Stalk. *Journal of Wood & Forest Science and Technology*,18(2):57-72
- 24)Tajdini,A.,Rabie,D.,Jahan Latibari,A. and Pourmousa,Sh.2011.Study on effective indexes on exports of wooden furniture in Iran. of *Sciences and Techniques in Natural Resources*,6(2):71-87
- 25)Kohan Torabi,M.,Ghaznavi,M.,Roohnia,M.,Tajdini,A. and Kazemi Najafi,S.2012.The effects of Join on Acoustical Properties of Jointed Beams. *Journal of Sciences and Techniques in Natural Resources*,6(4):117-128
- 26)Tajdini,A.,Tavakkoli,A.,Jahan Latibari,A.,Roohnia,M. and Haji Mirza Tayeb,S.A.2011. Application of simultaneous equations model to estimate particleboard demand and supply.*BioResources*,6(3):3199-3209
- 27)Tajdini,A.,Mofrad,H.,Jahan Latibari,A. and Roohnia,M.2011.Analysis Wood-based panels import to Iran :simultaneous equations model approach.*African Journal of Business Management*.5(34):13169-13175
- 28)Tajdini,A.,Tavakkoli,A.,Jahan Latibari,A. and Roohnia,M.2012. The factors influencing corrugated board supply and demand In Iran: Simultaneous equations models.*African Journal of Business Management*.6(44):10945-10951
- 29)Tajdini,A., Ghajebeigloo,Jafar.,Roohnia,M.2012. Veneer Supply and Demand Estimation Using Simultaneous Equations Model.*Journal of Business &Industrial Marketing*, 28 (7):547-553.
- 30)Haji Mirza Tayeb,S.A.,Jahan Latibari,A.,Tajdini,A. and Sepidehdam,M.J.2012.The influence of pulp refining on de-inking potential and strength properties of ink jet printed paper.*BioResources*,7(3):3837-3746

- 31)Roohnia,M.,Kohantorabi,M.,Jahan Latibari,A.,Tajdini,A. and Ghaznavi,M.R.2012.Nondestructive assessment of glued joints in timber applying vibration-based methods.European Journal of wood and wood products, 7(6):791-799.
- 32)Roohnia,M.,Yaghmaeipour,A.,Kubojima,Y. and Tajdini,A.2012. Free vibration of both-end clamped wooden beams: is it potentially applicable as an in-situ assessment method?Turkish Journal of Agriculture and Forestry.36(12): doi:10.3906/tar-1111-22
- 33)Roohnia,M.,Tajdini A.,Ghaznavi,M. and Bayramzadeh ,V.2012. Specific dynamic shear modulus of drilled beech wood, Lignocellulose. 1(2):100-107
- 34)Mollahassani,A.,Tajdini,A.,Roohnia ,M. and Tavakkoli,A.2012. Investigation the Causal Relation of Factors Influencing on Demand for Lumber Imports in Iran.Iranian Journal of Wood and Paper Science Research,28(1):134-152.
- 35)Tajdini,A.,Taghadosi,A.H.,Pourmousa,S., Jahan Latibari.A.,Safdari,A. and Roohnia,M.2012. Study of the effective indices on imports of Wooden furniture in Iran, Iranian Journal of Wood and Paper Science Research.28(2):24-34.
- 36)Tajdini,A.,Mollahasani,A.,Jahan Latibari,A.and Roohnia,M.2012. Assessment of the effective factors on sawn wood import in Iran,Austrian Journal of Forest Science,3-4(2012):242-258.
- 37)Mohebi,R.A.,Tajdini,A.,Jahan Latibari,A.,Nourbakhsh,A.and Rashno,A.2012 .The Influence of Silica Content on Mechanical Properties of Polypropylene/Wood Powder/Silica Composite, Iranian Journal of Wood and Paper Science Research,27(4):606-618.
- 38)Mollahasani,A.,Tajdini,A. and Roohnia,M.2013. Investigation the factors influencing on demand for lumber imports in Iran.Iranian Journal of Wood and Paper Industries.4(1):101-116.
- 39)Maleki Ghalanduz,M.,Tajdini,A.,Pourmousa,Sh. and Agharafie,E.2014. Identifying and Ranking of the effective factors on customer satisfaction of the household wood furniture industry by Multi-Attribute Decision Making method (Case Study: Wood home furniture), Iranian Journal of Wood and Paper Science Research,28(4):691-708.
- 40) JahanLatbari,A.,Tajdini,A.,Sepidehdam,S.J.,Hossein.M.A.,Hosseinpour,R.and Gaza,M.2013.Investigation on applying wheat straw chemi-mechanical pulp tp produce fluting paper,Journal of Forest and Wood Product,66(2):233-241
- 41)Pourmousa,Sh.,Tajdini,A. and BakhshandehNavroodi,B.2013.Performance evaluation of Iranian wood supplying projects using Data Envelopment Analysis,Journal of Sciences and Techniques in Natural Resources,7(4):55-66
- 42)Tajdini,A.,Tavakkoli,A.,Jahan Latibari,A.,Roohnia,M. and Pourmousa,Sh.2013. Statistical Modeling to Forecast the Wood-Based Panels Consumption in Iran,International Journal of Biosciences,4(12):1-11.
- 43)Namaki,A.A.,Tajdini,A. and Roohnia,M.2014. Investigation the causal relation the economic growth with consumption and imports of fine papers (Writing and printing & Newsprint paper) in Iran, Iranian Journal of Wood and Paper Science Research,29(1):117-131.
- 44)Bagheri,A.,Safdari,V.,Lashgari,A.and Tajdini,A.2013. Comparative wood anatomy of three Ephedra species (Ephedra procera, Ephedra strobilacea and Ephedra intermedia) of Iran, Iranian Journal of Wood and Paper Science Research,28(4):709-719.
- 45) Lashgari,A.,Eshghi,A.,Kargarfrad,A.and Tajdini,A.2013. Effect of nanoclay-particles on physical and mechanical properties of composites made of almond shell powder-polypropylene, Iranian Journal of Wood and Paper Science Research, 28(4):654-671.
- 46)Haji Rafieeha,E.,Roohnia,M.,Jahan Latibari,A.and Tajdini,A.2014. Shear and elastic moduli of Poplar wood affected by glue coverage deficiency of lamination in a vibration based nondestructive approach, Iranian Journal of Wood and Paper Science Research,Article in Press.
- 47)Roohnia,M. and Tajdini,A.2014.Identification of the severity and position of a single defect in a wooden beam,BioResources ,9(2):3428-3438

- 48) Jahan Latibari,A.,Hossein ,M.A.,Hosseinpour,R. and Tajdini,A.2014.Elemental Chlorine free bleaching of wheat straw chemimechanical pulp ,Cellulose Chemistry and Technology,48(1-2):119-125
- 49)Rezaei Niaraki ,P.,Jahan Latibari,A.,Roohnia,M.and Tajdini,A.2014.The influence of fiber lignin content on mechanical properties of wood fiber-polypropylene composites ,Iranian Journal of Wood and Paper Science Research ,29(1):1-11
- 50)Darvishzadeh,O.,Jahan Latibari,A.,Sepidehdam,S.M.J. and TAjdini,A.2014.Effect of simultaneous addition of cationic starch and bentonite on some properties of wrting and printing paper ,Forest and Wood Products ,66(4):519-527
- 51)Zamani,A.,Jahan Latibari,A.,Tajdini,A. and Kargarfard,A.2014.The influence of beech wood drying condition on its pH, buffering capacity and UF bond strength,Iranian Journal of Wood and Paper Science Research ,29(2):275-286
- 52)Khoshkar,Langerudi,Sh., Tajdini,A., Safdari,V.R.and Roohnia,M.2014. The impact of macroeconomics variables on imports of particleboard and MDF in Iran,Journal of Wood and Forest Science and Technology,Article in Press.
- 53) Emami,A., Safdari, V.R., Kargarfard, A. and Tajdini,A.2014. The Investigation of the Utilization Impact of *Alnus subcordata* Waste and *Poplar* Wood in Particle Board Production,Iranian Journal of Wood and Paper Science Research,Article in Press.
- 54)Roohnia,M., Kohantorabi,M. and Tajdini,A.2014. Maple wood extraction for a better acoustical performance,European Journal of Wood and Wood Products,?

Supervision of Master studies

- 1) Gudarzi,E.2014. Identifying and Ranking of the effective factors on compatibility of the household wood furniture industry by multi-Attribute Decision Making Method in Iran(TOPSIS and AHP). Islamic Azad University,Karaj Branch.
 - 2) Mehri,M.2014. Identifying and ranking of the effective factors on customer loyalty by Fuzzy DEMATEL and Analytic Network Process (Case Study: home wood furniture). Islamic Azad University,Karaj Branch.
 - 3) Sobhi Nosrat,A.2014. The Evaluation of Effective Factors on Buyers' Satisfaction in Supply chain (A Case Study of wooden furniture`s industry). Islamic Azad University,Karaj Branch.
 - 4) Sayadi,M.2013. Cointegration analysis of the effective factors on demand for imported wood-based panels in Iran. Islamic Azad University,Karaj Branch.
 - 5) Khoshkar,L.Sh. The impact of Macroeconomics variables on wood products import in Iran. Islamic Azad University,Karaj Branch.
 - 6) Alasti,H. Evaluating Wood and Paper Science and Technology Students' Attitudes toward their Discipline and Future Career. Islamic Azad University,Karaj Branch.
 - 7) Namaki,A.A.2013. The granger- causality relationship between economic growth and consumption and imports demand quantities of Fine Papers(writing and printing paper, newsprint) in Iran. Islamic Azad University,Karaj Branch.
 - 8) Tusi,V.2013. The granger- causality relationship between economic growth and consumption and imports demand quantities of Tissue Paper in Iran. Islamic Azad University,Karaj Branch.
 - 9) Jafari,A.2012. The investigation of effective factors on customer satisfaction from wood-based panel products in Iran(Particleboard and MDF)).
 - 10) Maleki,M.2012. Evaluation of customer satisfaction from wooden furniture products (Case study :Office and House Furniture). Islamic Azad University,Karaj Branch.
- Roshani,M.A.2012. Comparison of different methods to forecast the Fine papers import values (Writing and Printing paper and Newspaper

- 11) Mollahassani,A.2012. Investigation of Effective Factors on Demand for Imports of Round wood in Iran. Islamic Azad University,Karaj Branch.
- 12) Taghadosi,A.2012. Study of the effective indices on imports of Wooden furniture in Iran. Islamic Azad University,Karaj Branch.
- 13) Nabavizadeh,A.2011. Statistical Modeling to Forecast the Wood-Based Panels Consumption in Iran. Islamic Azad University,Karaj Branch.
- 14) Rabie,D.2011.Study of the effective indices on esports of wooden furniture in Iran. Islamic Azad University,Karaj Branch.
- 15) Mohebi,R.2010.The Effect of Silica Compound on Mechanical &Physical Properties of Wood - Plastic Composites. Islamic Azad University,Karaj Branch.
- 16) Alaei Khanghah,A.2010.Relative Efficiency Evaluation of Wood Production Plans in Iranian North Forests Using Data Envelopment Analysis . Islamic Azad University,Karaj Branch.
- 17) Mofrad,H.2010. Analysis of wood-based panels import to Iran:Simultaneous equations model approach. Islamic Azad University,Karaj Branch.
- 18) Biglou,Gh.J.2010.simultaneous estimation for demand and supply&consumption projection of venner and plywood in Iran. Islamic Azad University,Karaj Branch.
- 19) Biglari,M.2009.estimation for demand function &consumption projection of writing and printing paper in Iran. Islamic Azad University,Karaj Branch.
- 20) Jahanshahi,B.2009. the Modeling & projection of supply and demand particleboard in Iran. Islamic Azad University,Karaj Branch.
- 21) Tavakkoli,A.2009. Simultaneous Estimation for Corrugated Board Supply and Demand &Consumption Projection in Iran . Islamic Azad University,Karaj Branch.

International Conferences

- 1) Roohnia, M., Tajdini, A. and Manouchehri, N. 2005 - Variation in linear shrinkage of *Morus alba* wood planted in Karaj - Iran, International Symposium on Wood and Paper Science, ISWPS2005, Yokohama, Japan .
- 2) Roohnia, M., Alavitabar, E. and Tajdini, A. 2008 - Quality and Damping in Timbers from Iranian Beech (*Fagus Orientalis*) – FUNCFIBER International Symposium on Biology and Biotechnology of Wood – Umea – Sweden.
- 3) Roohnia, M., Yavari, A. and Tajdini, A. 2009 - Damping and Acoustic Coefficient in End-cracked Rectangular Bars of Poplar Wood, 16th International Nondestructive Testing and Evaluation of Wood Symposium.Beijing, China.
- 4) Tajdini, A., Tavakkoli, A., Roohnia, M. and latibari, J. A..2009 - Simultaneous estimation for demand and supply function of corrugated board in Iran, International conference on applied business & economics,Kavalla,Greece.
- 5) Roohnia, M., Tajdini, A. and Alavitabar, S.E. 2010 – Effect of drilling on dynamic modulus of elasticity of wooden beam, The first National Congress on New Technologies in Wood and Paper Industry, Kellarabad,Iran
- 6) Roohnia,M., Tajdini,A. and Manouchehri,N.2010.Effect of drillings as artificial defects on dynamic shear modolous of wood, 40th International Conference and NDT Technique Exposition - NDE for Safety 2010/ Defektoskopie, Plzen, Czech Republic
- 7) Hashemi tabalvandani,S.M., Roohnia,M. and Tajdini,A.2010 .identify the sound wood, The first national congress on forests and wood and paper industry, Astara, Iran
- 8) Tajdini,A., Tavakkoli,A., latibari,J.A. and Roohnia,M.2010. The Investigation Effective factors on supply and Demand of Particleboard in Iran, SWST/UNCE-TC Annual Convention-The role of wood science in the green building movement, Geneva, Switzerland.
- 9) Yavari,A., Roohnia, M. and Tajdini,A. 2010 .A few Elastic Properties of Drilled Rectangular Bars of Poplar Wood, The Final Conference of COST Action E53 ‘The Future of Quality Control for Wood & Wood Products’, Edinburgh, Scotland.

- 10) Roohnia,M., Shafiee,P., Manouchehri,N. and Tajdini,A.2011.Fixed-free against free-free beams for dynamic young's modulus of wood,17th International Nondestructive Testing and Evaluation of Wood Symposium, Sopron, Hungary.
- 11) Tajdini,A. and Roohnia,M.2012. Import demand function for writing and printing paper in Iran,IUFRO All Divisions Conference ,Lisbon ,Portugal
- 12) Tajdini,A.,Khoshkar Langerudi,Sh. and Roohnia ,M.2014. The 57th SWST International Convention in conjunction with The 7th Wood Structure and Properties Conference The 6th European Hardwood Conference " Sustainable Resources and Technology for Forest Products ",Zvolen ,Slovakia.

Research Projects

- 1) The investigation and measurement of longitudinal permeability in Iranian Hardwoods.University of Tehran.1996- 1999.
- 2) The comparative investigation on economical feasibility of paper production using wheat straw at scale of 5000MT.Islamic Azad University,Karaj Branch.2005- 2007.
- 3) The investigation of lignocellulosic resources used as raw materials in pulp and paper industries in Iran.Islamic Azad University,Karaj Branch.2006-2009.
- 4) The Simultaneous Estimation of Supply and Demand functions & consumption projection for the most important paper products in Iran. Islamic Azad University,Karaj Branch.2010- 2011.
- 5) The Estimation of Imports for Demand Function of Forest Products in Iran . Islamic Azad University,Karaj Branch.2010-2011.
- 6) Comparison of forecasting various Methods for Imports of Forest Products in Iran. Islamic Azad University,Karaj Branch.2011-2012.
- 7) The granger- causality relationship between consumption and imports demand quantities of Forest Products and economic growth in Iran. Islamic Azad University,Karaj Branch.2012-2013 .

Skills

- 1) English Speaking and Listening, Writing and Reading.
- 2) Softwares :SPSS, MSOffice, Eviews.

Foundings and Plannings

- 1) Laboratory of Biotechnology Faculty of Agriculture and Natural Resources - Islamic Azad University, Karaj Branch. 2007
- 2) Laboratory of Horticulture Faculty of Agriculture and Natural resources-Islamic Azad University. 2007