CURRICULUM VITA

Personal Information

Name: **Alireza**
Surname: **Ashori**
Nationality: **Iranian**
Date of Birth: **Nov. 6, 1966**
Place of Birth: **Tehran, Iran**
Languages: **Persian, English**
Status: **Married (with two children)**

Mailing Address

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Academic Qualifications

1986-1990	B.Sc	Wood and Paper Science and Technology	Gorgan University*	Iran
1993-1996	M.Sc	Wood and Paper Science and Technology	Gorgan University*	Iran
2000-2004	Ph.D	Biocomposite Technology	University of Putra Malaysia	Malaysia

* Gorgan University of Agricultural & Natural Resources Sciences

Areas of Research Interest

- Pulp and paper technology;
- Printability of paper;
- Pulp bleaching;
- Property enhancement of non-wood fibers;
- Wood cement bonded composites;
- Wood plastic composites; and
- Nano biocomposite.

Scientific Positions

2011-Present	Associate Professor, Department of Chemical Technologies, IROST
2004-2011	Assistant Professor, Department of Chemical Technologies, IROST
1996-2000	Lecturer, Department of Chemical Technologies, IROST

Appointments

2011-Present	Director, Technology Incubator Center, IROST
2006-2011	Acting Director, Institute of Advanced Technology (IAT), IROST
2005-2011	Associate Director, Research and Technology of IAT, IROST
2000-2001	Director General, Industry- University Liaison Office, IROST
1996-2000	Director, Development & Transfer of Technology Dept., IROST
1990-1996	Production manager, Choob va Sanate Iran Co., Kaveh Industry City, Saveh, Iran

Awards and Recognitions

- Excellence researcher award, 13th Festival of Appreciation of Distinguished Researchers and Technologists, Ministry of Science, Research and Technology of Iran (2012).
- Excellence researcher award, IROST (2012).
- Associate professor at the Department of Chemical Technologies, IROST (from 2011).
- Excellence researcher award, IROST (2010).
- Publication Incentive Award, The highest Incentive for the highest citations and scientific publications, IROST (2010).
- Gold Medal, Topography and printability of kenaf (*Hibiscus cannabinus*) sized paper, Exhibition of Invention, Research and Innovation UPM, 19 March 2005.
- Silver Medal, Effect of environmental friendly TCF and ECF bleaching sequences on whole stem kenaf characteristics, Exhibition of Invention, Research and Innovation UPM, 19 March 2005.
- Bronze Medal, High performance security paper from kenaf (*Hibiscus cannabinus*) fiber, Exhibition of Invention, Research and Innovation UPM, 23 July 2003.
- Silver Medal, Development high quality writing and printing paper using kenaf (*Hibiscus cannabinus*) fiber, Exhibition of Invention, Research and Innovation UPM, 30 August 2002.
- Alumni award for ranked 1st M.Sc. in Wood and Paper Sciences & Industries, 1996, Gorgan University, Gorgan, Iran.

Major Research Topics

1. Preparation of functionalized graphene oxide and its application in epoxy/ carbon fiber composites.
2. Evaluation of physical and mechanical properties of reinforced bio-composites.
3. Investigation on the carbon fiber composites for storing hydrogen gas: Lab preparation and testing.
4. Preparation of wood plastic composite using nano graphene
5. Investigation on the surface properties of chemically modified natural fibers using inverse gas chromatography**.**
6. Modification of poly(vinyl chloride) for using in construction applications.
7. Chemical and morphological characterization of lemon balm (*Melissa officinalis* L.) as a residual of medicinal herbals.
8. Micro-algae as a promising source of bio-diesel fuel.
9. Hybrid composites from waste materials for automotive industry applications.
10. A study of different methods of characterizing surface properties and print quality of paper.
11. Development of high quality printing paper using Malaysian cultivated kenaf (*Hibiscus cannabinus*) fibers.
12. An investigation on data and its by-products in Iran's industries.
13. Feasibility study on the establishment of a small scale pulp & paper mill, using non-wood plant fibers and waste paper.
14. Technology assessment of national projects related to wood & paper industries.
15. Differences of moisture content and shrinkage between inner and outer wood of oak tree.
16. Rules & regulations for technology transfer of pulp & paper industries.
17. Establishing kiln drying schedule for oak (*Quercus castaneafolia*) lumber.
18. Pulping characteristics of kenaf (*Hibiscus cannabinus*).

Responsibilities in Major Committees

► Presidential board member of IROST (from 2005 to present).

► Founding board member, Association of Iran Printing Science and Technology (2013).

► Committee member of IROST Technology Incubator Center (from 2010 to present).

► Scientific jury member, chemistry committee of the 22nd, 23rd, 25th, 27th, and 28th Khwarizmi International Award (KIA) in 2008, 2009, 2011, 2013, and 2014, respectively.

► Representative of Iran at the Expert Group Meeting "Networking of R&D Institutions in the Asia-Pacific to strengthen capacity of R&D Management and Innovation in the field of Nanotechnology" held by the Asian and Pacific Center for Transfer of Technology (APCTT-ESCAP). December 7-8, 2011. Bangkok, Thailand.

► Scientific jury member, chemistry committee of the 10th, 11th, 12th, 13th, 14th, and 15th Youth Khwarizmi Award (YKA) in 2008, 2009, 2010, 2011, 2012, and 2013, respectively.

► Scientific member of knowledge and industry coordination center of wood and pulp (from 2009 to present)

► Participating in the first training program of "*Design and Innovation Policy in Developing Countries*", held at UNU-MERIT in Maastricht, Netherlands from 22-26 October 2007.

► Fellow researcher, Commonwealth Scientific and Industrial Research Organization (CSIRO), from Feb. to Sept. 2004, Melbourne, Australia.

► Executive manager, the 1st Research & Technology Outcomes Exhibition, due to the Research Week, Jan. 2001, Tehran, Iran.

► Scientific Jury member, the 3rd International Conference on Forest & Forest Products, Nov. 2001, Tehran, Iran.

► Chairman, pulp and paper session, International Workshop held by Asian and Pacific Center for Transfer of Technology (APCTT), June 1998, Mashad, Iran.

List of Theses / Dissertations under Supervision

No	Title	Name	Degree	Supervisor		Institute	Year	Status
				Main	Co-			
1	Effects of dry-strength additives on pre-extracted bagasse fibers	Z. Khorasani	M.Sc		x	Uni. of Tehran	2011	Completed
2	Characterizations of chemical treatment on lignocellulosic fibers for making wood-plastic composites	H. Norouzi	M.Sc	x		Islamic Azad Uni.	2012	Completed
3	Effect of molasses nano-structure on OCC recycling runs	M. Marashi	M.Sc		x	Uni. of Gorgan	2012	Completed
4	Effect of chitosan, cationic starch and polyvinyl alcohol on dry strengths properties of recycled fibers	S. Sabbaghi	M.Sc		x	Uni. of Tehran	2012	Completed
5	The effect of IPBC and Irgaguard preservatives on the physical, mechanical and biological properties of wood plastic composite	H. Matini Behzad	M.Sc		x	Uni. of Tehran	2012	Completed
6	Preparation and characterization of graphene or graphene oxide composites	M. Zahed	M.Sc		x	Islamic Azad Uni.	2013	Completed
7	Effects of nano graphene on the physical and mechanical properties of natural fiber-plastic composites	M. Chaharmahali	Ph.D		x	Uni. of Tehran	2012	Completed
8	Preparation and characterization of bio-composite reinforced with modified cellulose nanofibers	M. Babaee	M.Sc		x	Uni. of Tehran	2013	Completed
9	Preparation and characterization of grapheme oxide and its composite with chitosan	M.A. Heshmat Khah	M.Sc		x	Islamic Azad Uni.	2014	Completed
10	Preparation of functionalized graphene oxide and its application in epoxy/ carbon fiber composites	R. Bahrami	M.Sc	x		IROST	2015	Completed
11	Chemical modification of carbon fibers to improve its performance in epoxy/ carbon fiber composite	N. Varnaseri	M.Sc	x		IROST	2015	Completed
12	Preparation of modified starch nanoparticles and their application as drug carrier	M. Baghaee	M.Sc		x	IROST	2015	Completed

No	Title	Name	Degree	Supervisor		Institute	Year	Status
				Main	Co-			
13	Preparation and evaluation of anti bacterial polylactic acid nano-biocomposite reinforced with modified cellulosic nano fibers	J. Hosseinzadeh	M.Sc		x	Uni. of Tehran	2015	Completed
14	The effect of wood extractives on physical and mechanical properties of clear coating wood face	F.Z. Mirkhandozi	M.Sc		x	Uni. of Shahid Rajaee Teacher Training	2015	Completed
15	Investigation on the sound absorption and heat transfer on the particleboard -vermiculite	R. Mehrabi	M.Sc	x		Uni. of Shahid Rajaee Teacher Training	2015	On going

Editorial Activities

■ Editorial board member, Industrial Crops and Products (IF=3.208), published by the Elsevier (from 2012 to present).

■ Editorial board member, International Journal of Polymer Science (IF=1.322), published by the Hindawi Publishing Corporation (from 2014 to present).

■ Editorial board member, Lignocellulose Journal, published by the Shahid Beheshti University, Tehran, Iran (from 2011 to present).

■ Editorial board member, International Journal of Agriculture and Forestry, published by the Scientific and Academic Publishing (SAP), CA, USA (from 2011 to present).

■ Editorial board member, Journal of Forest & Forest Products, published by the University of Tehran, Iran (from 2009 to present).

■ Editorial board member, Journal of Wood and Forest Science and Technology, published by the Gorgan University of Agricultural & Natural Resources Sciences, Iran (from 2015 to present).

■ Editorial board member, Journal of Iran wood and paper Industries, published by the Association of Science and Industries of Wood and Paper, Iran (from 2014 to present).

■ Editorial board member, Journal of Iran Wood, Furniture & Paper Industries, Tehran, Iran (from 2007 to present).

■ Invited referee for the highly ranked international scientific journals including:

Bioresource Technology, Carbohydrate Polymers, Materials and Design, Industrial Crops and Products, Composites Part B, Iranian Polymer Journal, Cellulose, Polymer Composites, Polymers and the Environment, Applied Polymer Science, Waste Management, BioResources, Journal of Wood and Forest Science and Technology, Thermoplastic Composite Materials, Polymer Bulletin, Mechanical Engineering Science, Journal of Engineering Tribology, Materials Science & Engineering C, Journal of Agricultural Science and Technology, Journal of Forestry Studies in China, Advances in Polymer Technology, African Journal of Agricultural Research, Fibers and Polymers, Scientific

Research and Essays, Iranian Journal of Chemistry and Chemical Engineering, Lignocellulose Journal, Journal of Forestry Research, International Journal of Sustainable Energy, Iranian Journal of Wood and Paper Science Research, Forest Products Journal, and Journal of Colloid and Polymer Science.

Book Published

Ashori, A. 2010. Development of high quality printing paper using kenaf (*Hibiscus cannabinus*) fibers. Lambert Academic Publishing, Saarbrucken (Germany) ISBN 978-3-8383-2112-7, 233 pages, 57 illustrations.

Book Chapter

1. Ayrilmis, N., & **Ashori, A.** 2015. "Alternative solutions for reinforcement of thermoplastic composites". *In*: Natural Fiber Composites: Overview and Recent Developments. Editor: Campilho, R., CRC Press (USA), ISBN 9781482239003, 356 pages, 170 illustrations.

2. Ayrilmis, N., **Ashori, A.**, & Kwon, J.H., 2016. "Properties and utilization of plant-fibers and nanocellulose for composite materials". *In*: Polyethylene-based biocomposites and bionanocomposites. Editors: Visakh, P.M. and Sigrid, L., John Wiley & Sons (USA), ISBN 978-1-119-03845-0, 500 pages.

3. **Ashori, A.**, 2017. "Hybrid thermoplastic composites using non-wood plant fibers". In: Volume 3, Preparation and characterization. Editors: Thakur, V.K., Thakur M.K. and Pappu, A. Woodhead Publishing, Elsevier. (Under preparation)

4. **Ashori, A.**, 2017. "Recent applications on the polymer composites reinforced with natural fibers". In: Volume 4, Applications. Editors: Thakur, V.K., Thakur M.K. and Pappu, A. Woodhead Publishing, Elsevier. (Under preparation)

List of Papers in Refereed Journals

(*Reverse chronological order*)

1. **Ashori, A.** ✉, Ghofrani, M., Rezvani, M.H., & Ayrilimis, N. Development and material properties of reinforced plywood using carbon fiber and waste rubber. (Under preparation)

2. Mahmoudi Najafi, S.H. ✉, Baghaie, M., & **Ashori, A.** Preparation and characterization of modified starch nanoparticles as drug delivery system. (Under review)

3. Ghofrani, M., Mirkhandozi, F.Z., & **Ashori, A.**✉ 2015. Effects of extractives removal on the performance of clear varnish coatings on boards. *Composite Materials* (DOI: 10.1177/0021998315615205)

4. Rahmani, H., **Ashori, A.**✉, & Varnaseri, N. 2015. Surface modification of carbon fiber for improving the

interfacial adhesion of between carbon fiber and polymer matrix. *Polymers for Advanced Technologies* (DOI: 10.1002/pat.3720)

5. **Ashori, A.**✉, Rahmani, H., & Bahrami, R. 2015. Preparation and characterization of functionalized graphene oxide/carbon fiber/epoxy nanocomposites. *Polymer Testing* 48: 82–88.

6. Sheshmani, S., Akhundi Nematzadeh, M., Shokrollahzadeh, S., & **Ashori, A.** ✉, 2015. Preparation of graphene oxide/ chitosan/FeOOH nanocomposite for the removal Pb(II) from aqueous solution. *International Journal of Biological Macromolecules* 80: 475–480.

7. Nourbakhsh, A., **Ashori, A.** ✉, & Kargarfard, A. 2015. Evaluation of multi-walled carbon nanotubes as reinforcement for natural fiber-based composites. *Polymer Composites* (DOI: 10.1002/pc.23525)

8. Abdulkani, A., Hosseinzadeh, J., **Ashori, A.**✉**,** & Esmaeeli, H. 2015. Evaluation of the antibacterial activity of cellulose nanofibers / polylactic acid composites coated by ethanolic extract of propolis. *Polymer Composites* (DOI: 10.1002/pc.23554)

9. **Ashori, A.**✉**,** Ghofrani, M., Rezvani, M.H., & Khojasteh Khosro, S. 2015. Utilization of waste tire rubber in hybrid plywood composite panel. *Polymers for Advanced Technologies* 26 (8): 1034–1040.

10. Babaee, M., Jonoobi, M., Hamzeh, Y.✉, & **Ashori, A.** 2015. Biodegradability and mechanical properties of reinforced starch nanocomposites using cellulose nanofibers. *Carbohydrate Polymers* 132: 1–8.

11. Rahmani, H., Mahmoudi Najafi, S.H., **Ashori, A.**✉, & Golriz, M. 2015. Elastic properties of carbon fiber-reinforced epoxy composites. *Polymers and Polymer Composites* 23 (7): 475–481.

12. Faezipour, M., Shamsi, R., **Ashori, A.**✉**,** Abdulkhani, A., & Kargarfard, A. 2015. Hybrid composites using recycled polycarbonate/ waste silk fibers and wood flour. *Polymer Composites* (DOI: 10.1002/pc.23339)

13. Khazaeian, A., **Ashori, A.**✉, & Yahyavi Dizaj, M. 2015. Suitability of sorghum stalk fibers for production of particleboard. *Carbohydrate Polymers* 120: 15–21.

14. Ghofrani, M., Nikkar Mokaram, K., **Ashori, A.**✉**,** & Torkaman, J. 2015. Fiber-cement composites using rice stalk and rice husk ash: Mechanical and physical properties. *Composite Materials* 49 (26): 3317–3322.

15. **Ashori, A.**✉**,** Behzadi Shahrebabak, A., & Madhoushi, M. 2015. Effects of nanoclay and coupling agent on fungal degradation and physical properties of sanding dust/ high density polyethylene composites. *Composite Materials* 49 (9): 1107–1114.

16. Mohammadkazemi, F., Azin, M., & **Ashori, A.**✉ 2015. Production of bacterial cellulose using different carbon

sources and culture media. *Carbohydrate Polymers* 117: 518–523.

17. Ghahremani Habashi, M., Hedjazi, S., **Ashori, A.**✉, & Abdulkhani, A. 2014. Environmental friendly pulping of kenaf using monoethanolamine; Influence of the process variables on the strength properties. *Advances in Polymer Technology* 23 (S1): 21456.

18. Rahmani, H., Mahmoudi Najafi, S.H., Saffarzadeh-Matin, S., & **Ashori, A.**✉, 2014. Mechanical properties of carbon fiber / epoxy composites; Effects of numbers of plies, fiber contents and angle-ply layers. *Polymer Engineering & Science* 54 (11): 2676–2682.

19. Ayrilmis, N.✉, & **Ashori, A.**, 2014. Lignocellulosic fibers and nanocellulose as reinforcing filler in thermoplastic composites. *Euroasian Journal of Forest Science* 2 (2): 1–6.

20. Babaee, M., Hamzeh, Y.✉, Jonoobi, M., & **Ashori, A.,** 2014. Chemical modification of cellulose nanofibers and its impact on their hydrophobicity and dispersibility. *Journal of Forest & Wood Products* 67 (2): 295–306. (In Persian)

21. Sheshmani, S., **Ashori, A.**✉**,** & Hasanzadeh, S. 2014. Removal of Acid Orange 7 from aqueous solution using magneticgraphene/chitosan: A promising nano-adsorbent. *International Journal of Biological Macromolecules* 68: 218–224.

22. Madhoushi, M., Chavooshi, A., **Ashori, A.**✉, Ansell, M.P., & Shakeri, A. 2014. Properties of wood plastic composite panels made from waste sanding dusts and nanoclay. *Composite Materials* 48 (14): 1661–1669.

23. **Ashori, A.**✉ 2014. Effects of graphene on the behavior of chitosan and starch nanocomposite films. *Polymer Engineering & Science* 45 (10): 2258–2263.

24. Ghanbari, A. Madhoushi, M., & **Ashori, A.**✉ 2014. Wood plastic composite panels; Influence of species, formulation variables and blending process on the density and withdrawal strength of fasteners. *Polymers and the Environment* 22 (2): 260–266.

25. Abdulkhani, A., Hosseinzadeh, J., **Ashori, A.**✉, Dadashi, S., & Takzare, Z. 2014. Preparation and characterization of modified cellulose nanofiber reinforced polylactic acid nanocomposite. *Polymer Testing* 35: 73–79.

26. **Ashori, A.**✉**,** Babaee, M., Jonoobi, M., & Hamzeh, Y. 2014. Solvent-free acetylation of cellulose nanofibers for improving compatibility and dispersion. *Carbohydrate Polymers* 102: 369–275.

27. Rahmani, H., Mahmoudi Najafi, S.H., & **Ashori, A.**✉ 2014. Mechanical performance of epoxy/carbon fiber

laminated composites. *Reinforced Plastics & Composites* 33 (8): 733–740.

28. **Ashori, A.**✉, & Bahrami, R. 2014. Modification of physico-mechanical properties of chitosan-tapioca starch blend films using nano graphene. *Polymer-Plastics Technology & Engineering* 53 (3): 312–318.

29. **Ashori, A.**✉**,** Nourbakhsh, A., & Kazemi Tabrizi, A. 2014. Thermoplastic hybrid composites using bagasse, corn stalk and E-glass fibers; Fabrication and characterization. *Polymer-Plastics Technology & Engineering* 53 (1): 1–8.

30. Torkaman, J., **Ashori, A.**✉, & Sadr Momtazi, A. 2014. Using wood fiber waste, rice husk ash, and limestone powder waste as cement replacement materials for lightweight concrete blocks. *Construction & Building Materials* 50: 432–436.

31. Hasanjanzadeh, H., Hedjazi, S., **Ashori, A.**✉, Mahdavi, S., & Yousefi, H. 2014. Effects of hemicelluloses pre-extraction and cellulose nanofibers on the properties of rice straw soda-anthraqinone pulp. *International Journal of Biological Macromolecules* 68: 198–204.

32. Chaharmahali, M., Hamzeh, Y., Ebrahimi, G., **Ashori, A.**✉, & Ghasemi, I. 2014. Effects of nano-graphene on the physico-mechanical properties of bagasse/polypropylene composites. *Polymer Bulletin* 71 (2): 337–349.

33. Nourbakhsh, A., **Ashori, A.**✉**,** & Kazemi Tabrizi, A. 2014. Characterization and biodegradability of polypropylene composites using fish and agricultural residues. *Composites Part B* 56 (1): 279–283.

34. **Ashori, A.**✉, Hamzeh, Y., & Ziapour, A. 2014. Application of soybean stalk for the removal of hazardous dye from aqueous solution. *Polymers Engineering & Science* 54 (1): 239–245.

35. Nourbakhsh, A. ✉, **& Ashori, A.** 2013. Effects of nanoclay and microcrystalline cellulose on wood plastic composites properties. *Journal of Forest & Wood Products* 66 (2): 81–90. (In Persian)

36. Abdulkhani, A., Hojati Marvast, E., **Ashori, A.**✉**,** Hamzeh, Y., & Karimi, A.N. 2013. Preparation of cellulose/polyvinyl alcohol biocomposite films using 1-n-butyl-3-methylimidazolium chloride. *International Journal of Biological Macromolecules* 62: 379–386.

37. Yadollahi, R., Hamzeh, Y. ✉, Pourmousa, S., **Ashori, A.**, Jafari, M., & Rashedi, K. 2013. Fabricating flooring panels using recycled paper de-inking solid wastes. *Journal of Civil & Environmental Engineering* 53 (1): 76–83. (In Persian)

38. Abdulkhani, A., Hojati Marvast, E., **Ashori, A.**✉**,** & Karimi, A.N. 2013. Effects of dissolution of some lignocellulosic materials with ionic liquids as green solvents on mechanical and physical properties of

composite films. *Carbohydrate Polymers* 95 (1): 57–63.

39. Zahedi, M., Tabarsa, T., **Ashori, A.**✉**,** Madhoushi, M., & Shakeri, A. 2013. A comparative study on some properties of wood plastic composites using canola stalk, paulownia and nanoclay. *Applied Polymer Science* 129 (3): 1491–1498.

40. **Ashori, A.**✉**,** Cordeiro, N., Faria, M., & Hamzeh, Y. 2013. Effects of chitosan and cationic starch on surface properties of bagasse paper. *International Journal of Biological Macromolecules* 58: 343–348.

41. Pourhoshyar Ziabari, K., Torkaman, J., **Ashori, A.**✉, & Hamzeh, Y., 2013. Fabrication of cement blocks using rice husk ash and lignocellulosic fibers. *Iranian Journal of Wood & Paper Science Research* 43 (1): 393–404. (In Persian)

42. **Ashori, A.**✉ 2013. Effects of nanoparticles on the mechanical properties of rice straw / polypropylene composites. *Composite Materials* 47 (2): 149–154.

43. Hamzeh, Y., Sabbaghi, S., **Ashori, A.**✉, Abdulkhani, A., & Soltani, F. 2013. Improving wet and dry strength properties of recycled old corrugated carton (OCC) pulp. *Carbohydrate Polymers* 94 (1): 577–583.

44. Sheshmani, S., **Ashori, A.**✉, & Arab Fashapoyeh, M. 2013. Wood plastic composite using graphene nanoplatelets. *International Journal of Biological Macromolecules* 58: 1–6.

45. Hamzeh, Y., Pourhoshyar Ziabari, K., Torkaman, J., **Ashori, A.**✉, & Jafari, M. 2013. Study on the effects of white rice husk ash and fibrous materials variations on properties of fiber-cement composites. *Environmental Management* 117 (15): 263–267.

46. **Ashori, A.**✉, Matini Behzad, H., & Tarmian, A. 2013. Effect of chemical preservative treatments on durability of wood flour/HDPE composites. *Composites Part B* 47 (4), 308–313.

47. Cordeiro, N., **Ashori, A.**✉**,** Hamzeh, Y., & Faria, M. 2013. Effects of hot water pre-extraction on surface properties of bagasse fiber. *Materials Science & Engineering C* 33 (2): 613–617.

48. Yadollahi, R., Hamzeh, Y., **Ashori, A.**✉, Pourmousa, S., Jafari, M., & Rashedi, K. 2013. Reuse of waste sludge from papermaking process in cement composites. *Polymer Engineering & Science* 53 (1): 183–188.

49. **Ashori, A.**✉**,** Sheshmani, S., & Farhani, F. 2013. Preparation and characterization of bagasse / high density polyethylene composite using multi-walled carbon nanotubes. *Carbohydrate Polymers* 92 (1): 865–871.

50. **Ashori, A.**✉**,** Marashi, M., Ghasemian, A., & Afra, E. 2013. Utilization of sugarcane molasses as a novel dry-strength additive in papermaking. *Composites Part B* 45 (1): 1595–1600.

51. Hamzeh, Y., **Ashori, A.**✉**,** Khorasani, Z., Abdulkani, A., & Abyaz, A. 2013. Pre-extraction of hemicelluloses from bagasse fibers: Effects of dry-strength additives on paper. *Industrial Crops & Products* 43 (5): 365–371.

52. Khorasani, Z., Hamzeh, Y. ✉, **Ashori, A.**, & Azadfallah, M. 2012. Effects of cationic starch and chitosan on strength properties of pre-extracted and un-extracted bagasse pulp. *Iranian Journal of Polymer Science & Technology* 25 (5): 383–392. (In Persian)

53. **Ashori, A.**✉, Sheykhnazari, S., Tabarsa, T., Shakeri, A., & Golalipour, M. 2012. Bacterial cellulose / silica nanocomposites: Preparation and characterization. *Carbohydrate Polymers* 90 (1): 413–418.

54. **Ashori, A.**✉, Hamzeh, Y., Azadeh, E., Izadyar, S., Layghi, M., & Mirfatahi Niaraki, M.S. 2012. Potential use of canola stalks for the removal of Remazol Black B reactive dye from aqueous solutions. *Wood Chemistry & Technology* 32 (4): 328–341.

55. Matini Behzad, H., **Ashori, A.**✉, Tarmian, A., & Tajvidi, M. 2012. Impact of wood preservative treatments on some physico-mechanical properties of wood flour/ polyethylene composites. *Construction & Building Materials* 35 (10): 246–250.

56. Hamzeh, Y., **Ashori, A.**✉, Azadeh, E., & Abdulkhani, A. 2012. Removal of Acid Orange 7 and Remazol Black 5 reaction dyes from aqueous solutions using biosorbent. *Materials Science & Engineering C* 32 (6): 1394–1400.

57. **Ashori, A.**✉**,** Ornelas, M., Sheshmani, S., & Cordeiro, N. 2012. Influence of mild alkaline treatment on the surface properties of agro-residues fibers. *Carbohydrate Polymers* 88 (4): 1293–1298.

58. Moazami, N., **Ashori, A.**✉**,** Ranjbar, R., Tangestani, M., Eghtesadi, R., & Sheykhi Nejad, A. 2012. Large- scale biodiesel production using microalgae biomass of *Nannochloropsis*. *Biomass & Bioenergy* 39 (4): 449–453.

59. Hamzeh, Y. ✉, Mirzaei, B., Doust Hosseini, K., **Ashori, A.**, Rashedi, A., & Olfat, A. 2012. Physico-chemical properties of solid sludge of paper mills. *Iranian Journal of Wood & Paper Science Research* 26 (2): 281–290. (In Persian)

60. Hamzeh, Y., **Ashori, A.**✉, Hojati Marvast, E., Rashedi, K., & Mohammad Olfat, A. 2012. A comparative study on the effects of *Coriolus versicolor* on properties of HDPE/wood flour/ paper sludge composites. *Composites Part B* 43 (5): 2409–2414.

61. Cordeiro, N., Ornelas, M., **Ashori, A.**✉, Sheshmani, S., & Norouzi, H. 2012. Investigation on the surface properties of chemically modified natural fibers using inverse gas chromatography. *Carbohydrate Polymers* 87

(4): 2367–2375.

62. Ghasemian, A., Ghaffari, M., & **Ashori, A.**✉ 2012. Strength-enhancing effect of cationic starch on mixed recycled and virgin pulps. *Carbohydrate Polymers* 87 (2): 1269–1274.

63. **Ashori, A.**✉**,** Tabarsa, T., & Amosi, F. 2012. Evaluation of using waste timber railway sleeper in wood-cement composite materials. *Construction & Building Materials* 27 (1): 126–129.

64. Sheshmani, S., **Ashori, A.**✉, & Farhani, F. 2012. Effects of extractives on the performance properties of wood flour-polypropylene composites. *Applied Polymer Science* 123 (3): 1563–1567.

65. **Ashori, A.**✉, Tabarsa, T., & Sepahvand, S. 2012. Cement-bonded composite boards made from poplar strands. *Construction & Building Materials* 26 (1): 131–134.

66. Hamzeh, Y., **Ashori, A.**✉, Mirzaei, B., Abdulkhani, A., & Molaei, M. 2011. Current and potential capabilities of biomass for green energy in Iran. *Renewable & Sustainable Energy Review* 15 (9): 4934–4938.

67. **Ashori, A.**✉, & Nourbakhsh, A. 2011. Preparation and characterization of polypropylene/wood flour/nanoclay composites. *European Journal of Wood & Wood Products* 69 (4): 663–666.

68. Azizi, K., Tabarsa, T., & **Ashori, A.**✉ 2011. Performance characterizations of particleboards made with wheat straw and waste veneer splinters. *Composites Part B* 42 (7): 2085–2089.

69. **Ashori, A.**✉**,** Tabarsa, T., & Valizadeh, I. 2011. Fiber reinforced cement boards made from old newsprint. *Materials Science & Engineering A* 528 (25–26): 7801–7804.

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