# CURRICULUM VITA

## Personal Information

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

## Mailing Address


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***h*-index:** 44 (WOS), 47 (Publons), 50 (Scopus), 53 (Researchgate), and 61 (google scholar)


## Academic Qualifications

| | | | | |
|---|---|---|---|---|
| 86-1990 | B.Sc | Wood and Paper Science and Technology | Gorgan University | Iran |
| 93-1996 | M.Sc | Wood and Paper Science and Technology | Gorgan University | Iran |
| 00-2004 | Ph.D | Biocomposite Technology | University of Putra Malaysia | Malaysia |

## Areas of Research Interest

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

- Rubber wood composites;
- Wood-plastic composites; and
- Nano biocomposite and cellulose modification

## Scientific Position

| | |
|---|---|
| 17-Present | Professor, Department of Chemical Technologies, IROST |
| 11-2017 | Associate Professor, Department of Chemical Technologies, IROST |
| 04-2011 | Assistant Professor, Department of Chemical Technologies, IROST |
| 96-2000 | Lecturer, Department of Chemical Technologies, IROST |

## Appointments

| | |
|---|---|
| 18- 2022 | President, Iranian Research Organization for Science and Technology, IROST |
| 11-2017 | Director, Technology Incubator Center, IROST |
| 06-2011 | Acting Director, Institute of Advanced Technology (IAT), IROST |
| 05-2011 | Associate Director, Research and Technology of IAT, IROST |
| 00-2001 | Director General, Industry- University Liaison Office, IROST |
| 96-2000 | Director, Development & Transfer of Technology Dept., IROST |
| 90-1996 | Production manager, Choob va Sanate Iran Co., Kaveh Industry City, Saveh, Iran |

## Awards and Recognitions

- **Obtained a world ranking in the Stanford study of the top 2% of the most-cited scientists in 2019 and 2020.**
- Excellence researcher award, 13th Festival of Appreciation of Distinguished Researchers and Technologists, Ministry of Science, Research and Technology (MSRT), Iran (2012).
- Excellence researcher award, IROST (2010, 2012, and 2016).
- 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, Malaysia, Mar. 19, 2005.
- Silver Medal, Effect of environmentally friendly TCF and ECF bleaching sequences on whole stem kenaf characteristics, Exhibition of Invention, Research and Innovation UPM, Malaysia, Mar. 19, 2005.
- Bronze Medal, High performance security paper from kenaf (*Hibiscus cannabinus*) fiber, Exhibition of Invention, Research and Innovation UPM, Malaysia, Jul. 23, 2003.
- Silver Medal, Development of high-quality writing and printing paper using kenaf (*Hibiscus cannabinus*) fiber, Exhibition of Invention, Research and Innovation UPM, Malaysia, Aug. 30, 2002.
- Alumni award M.Sc. first rank in Wood and Paper Sciences & Industries, 1996, Gorgan University, Gorgan, Iran.

## Major Research Topics

1. Preparing and characterizing of wood-plastic plywood using waste high-density polyethylene as adhesive
2. Studing the effects of functionalized graphene oxide on interlaminar shear strength, dynamic behavior, and impact damage of epoxy/ glass fiber composites
3. Preparing functionalized graphene oxide and applying it to epoxy/ carbon fiber composites
4. Evaluating physical and mechanical properties of reinforced bio-composites
5. Investigating the carbon fiber composites for storing hydrogen gas: Lab preparation and testing
6. Preparing wood plastic composite using nanographene
7. Studying the surface properties of chemically modified natural fibers using inverse gas chromatography
8. Modifying poly(vinyl chloride) for use in construction applications
9. Chemical and morphological characterization of lemon balm (*Melissa officinalis* L.) as a residual of medicinal herbals
10. Using micro-algae as a promising source of biodiesel fuel
11. Preparing hybrid composites from waste materials for automotive industry applications
12. Studying different methods of characterizing surface properties and print quality of the paper
13. Developing high-quality printing paper using Malaysian cultivated kenaf (*Hibiscus cannabinus*) fibers
14. An investigation on date and its by-products in Iran's industries
15. Feasibility study on establishing of a small-scale pulp & paper mill, using non-wood plant fibers and waste paper
16. Technology assessment of national projects related to wood & paper industries
17. Studying the differences in moisture content and shrinkage between the inner and outer wood of the oak tree
18. Rules & regulations for technology transfer of pulp & paper industries
19. Establishing kiln drying schedule for oak (*Quercus castaneafolia*) lumber
20. Studying the pulping characteristics of kenaf (*Hibiscus cannabinus*)

## Responsibilities in Major Committees

- ► Appointed as the secretary and scientific jury member of the 35$^{th}$ Khwarizmi International Award (KIA) in 2022 by the Minister of Science, Research and Technology
- ► Board member of Standard Research Institute (from 2020 to present)
- ► Board member of technology incubator, Institute for Color Science and Technology (from 2016 to present)
- ► Presidential board member of IROST (from 2005 to 2022)
- ► 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 22$^{nd}$, 23$^{rd}$, 25$^{th}$, 27$^{th}$, and 28$^{th}$ 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 the 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), Dec. 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 "*Design and Innovation Policy in Developing Countries*", training program held at UNU-MERIT in Maastricht, the Netherlands, Oct. 22-26, 2007

► Fellow researcher, Commonwealth Scientific and Industrial Research Organization (CSIRO), Melbourne, Australia (2004)

► 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), Jun. 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 |
| | Preparation and characterization of grapheme oxide and its composite with chitosan | M.A. Heshmat Khah | M.Sc | | x | Islamic Azad Uni. | 2014 | Completed |

| No | Title | Name | Degree | Supervisor | | Institute | Year | Status |
|---|---|---|---|---|---|---|---|---|
| | | | | Main | Co- | | | |
| 10 | Preparation of functionalized graphene oxides and their application in carbon fiber / epoxy composites | R. Bahrami | M.Sc | x | | IROST | 2015 | Completed |
| 11 | Chemical modification of carbon fibers to improve thier 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 |
| 13 | Preparation and evaluation of antibacterial polylactic acid nano-biocomposite reinforced with modified cellulosic nanofibers | 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 of the sound absorption and heat transfer on the particleboard –vermiculite | R. Mehrabi | M.Sc | x | | Uni. Of Shahid Rajaee Teacher Training | 2016 | Completed |
| 16 | Physical and mechanical properties of wood-rubber composites | M.H. Rezvani | M.Sc | | x | Uni. Of Shahid Rajaee Teacher Training | 2016 | Completed |
| 17 | Preparation of facial mask using cellulose nanofibers | M. Zand | M.Sc | | x | Uni. Of Tehran | 2018 | Completed |
| 18 | Fabrication and improvement of the physical and mechanical properties of thermoplastic starch cellulose nanofiber and nanocomposites foam | A. Ghanbari | Ph.D | | x | Uni. Of Gorgan | 2017 | Completed |
| 19 | Modification of fines papermaking using nano fibrillated cellulose | R. Pourbaba | M.Sc | | x | Uni. Of Tehran | 2017 | Completed |
| 21 | Investigation on physical and properties of chitosan nanocomposites reinforced with nano cellulose fibers | H.R. Talebi | M.Sc | x | | Uni. Of Shahid Rajaee Teacher Training | 2018 | Completed |
| 22 | Investigation on thermal and fire resistance of chitosan-fiber biocomposites | V. Heydari | M.Sc | x | | Uni. Of Shahid Rajaee Teacher Training | 2018 | Completed |
| 23 | Effects of freeze-drying process on the physico-mechanical properties of PE/ CNFs composites | M. Abedi | M.Sc | | x | Uni. Of Tehran | 2019 | Completed |
| 20 | Preparation and characterization of the nanoporous filter by nanocellulose materials for air purification | S. Sepahvand | Ph.D | x | | Uni. Of Tehran | 2019 | Completed |
| 24 | Preparation of composites based on modified chitosan using amino acids for wound healing purposes | S. Torkaman | Ph.D | x | | IROST | | Ongoing |

## Editorial Activities

■ Editorial board member, Industrial Crops and Products (IF=6.449), published by Elsevier (from 2012 to present).

■ Editorial board member, Advances in Environmental Technology, published by the IROST (from 2021 to present).

■ Editorial board member, Technology Development Management, published by the IROST (from 2020 to present).

■ Editorial board member, International Journal of Polymer Science (IF=2.973), published by the Hindawi Publishing Corporation (from 2014 to 2019).

■ Editorial board member, Lignocellulose Journal, published by the Shahid Beheshti University, Tehran, Iran (from 2011 to 2014).

■ 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 2016).

■ Editorial board member, Journal of Iran Wood, Furniture & Paper Industries, Tehran, Iran (from 2007 to 2010).

■ 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, Sustainable chemistry & Engineering, Industrial & Engineering Chemistry Research, and Journal of Colloid and Polymer Science.

## Patents

**Ashori, A.**, Rahmani, H., Bahrami, R. Preparation of functionalized graphene oxide and its application in epoxy/ carbon fiber composites. *Iranian patent*, patent filed 2016, 89377.

Rahmani, H., **Ashori, A.**, Varnaseri, N. Chemical modification of carbon fibers to improve their performance in epoxy/ carbon fiber composite. *Iranian patent*, patent filed 2016, 90064.

## 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 Chapters

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., Scrivener Publishing WILEY (USA), ISBN 978-1-119-03845-0, 500 pages.

3. **Ashori, A.**, 2017. "Hybrid thermoplastic composites using non-wood plant fibers." In: Hybrid Polymer Composite Materials: Properties and Characterization (Volume 2). Editors: Thakur, V.K., Thakur M.K. and Pappu, A. Woodhead Publishing, Elsevier, ISBN 978-0-08-100787-7, 419 pages.

## List of Papers in Refereed Journals

(*Reverse chronological order*)

1. Ghafari, R., Jonoobi, M.✉, Naijian, F., **Ashori, A.**✉, Mekonnen, T.H., & Taheri, A.R. Fabrication and characterization of bilayer scaffolds for tissue engineering using nanocellulosic aerogels. (Under review)

2. Talaei, A., **Ashori, A.**✉, & Heydari, V. 2022. A comparative study on the mechanical and physical properties of plywood panels prepared by chitosan as green composite. *Polymers and the Environment* (doi.org/10.1007/s10924-022-02523-0)

3. Rahamin, H., Jonoobi, M. ✉, Abzan, N., Sepahvand, S., **Ashori, A.**✉, & Mekonnen, T.H.✉ 2022. Development of cellulose aerogel as a new material for the reduction of harmful substances in cigarette smoke. *Polymers and the Environment* (doi.org/10.21203/rs.3.rs-1683316/v1)

4. Tofangchi Kalle Basti, A., Jonoobi, M.✉, Sepahvand, S., **Ashori, A.**✉, Siracusa, V✉., Rabie, D., Mekonnen, T.H., & Naijian, F. 2022. Employing cellulose nanofibers-based hydrogels for burn dressing. *Polymers* 14 (6): 1207.

5. Sepahvand, S., Jonoobi, M.✉, **Ashori, A.**✉, Rabie, D., Gauvin, F., Brouwers, H.J.H., Yu, Q., & Mekonnen, T.H. 2022. Modified cellulose nanofibers aerogels as a novel air filters; Synthesis and performance evaluation. *International Journal of Biological Macromolecules* 203 (4): 601–609.

6. Talebi, H., Ashenai Ghasemi, F.✉, & **Ashori, A.**, 2022. The effect of nanocellulose on mechanical and physical properties of chitosan-based biocomposites. *Journal of Elastomers and Plastics* 54 (1): 22–41.

7. Torkaman, S., Rahmani, H., **Ashori, A.**✉, & Mahmoudi Najafi, S.H. 2021. Modification of chitosan using amino acids for wound healing purposes: A review. *Carbohydrate Polymers* 258: 117675.

8. Sepahvand, S.✉, Bahmani, M., **Ashori, A.**✉, Pirayesh, H., Yu, Q., & Nikkhah Dafchahi, M. 2021. Preparation and characterization of air nanofilters based on cellulose nanofibers. *International Journal of Biological Macromolecules* 182 (1): 1392–1398.

9. Sepahvand, S., Jonoobi, M.✉, Moradpour, P., & **Ashori, A.** 2020. An overview of the properties of nanofilters derived from cellulose nanofibers for absorption of air pollutants. *Iranian Journal of Wood and Paper Industries* 11 (3): 497–511. (In Persian)

10. Sepahvand, S., Jonoobi, M.✉, & **Ashori, A.** 2020. Use of cellulose nanofibers modified with phthalimide for adsorb of particulate matters lee than 2.5 microns. *Forest and Wood Products* 73 (3): 333–342. (In Persian)

11. Talebi, H., Ashenai Ghasemi, F.✉, & **Ashori, A.**, 2020. Effect of nanoparticles on the mechanical properties of chitosan-based biocomposites. *Polymerization* 9 (4): 54–65. (In Persian)

12. Rahmani, H., Mahmoudi Najafi, S.H., & **Ashori, A.**✉, Arab Fashapoyeh, M., Aziz Mohseni, F., & Torkaman, S. 2020. Preparation of chitosan-based composites with urethane cross linkage and evaluation of their properties for using as wound healing dressing. *Carbohydrate Polymers* 230: 115606.

13. Sepahvand, S., Jonoobi, M.✉, **Ashori, A.**✉, Gauvin, F., Brouwers, H.J.H., & Yu, Q✉. 2020. Surface modification of cellulose nanofibers aerogels using phthalimide. *Polymer Composites* 41 (1): 219–226.

14. Sepahvand, S., Jonoobi, M.✉, **Ashori, A.**✉, Gauvin, F., Brouwers, H.J.H., Oksman, K., & Yu, Q✉. 2020. A promising process to modify cellulose nanofibers for carbon dioxide ($CO_2$) adsorption. *Carbohydrate Polymers* 230: 115571.

15. Talebi, H., Ashenai Ghasemi, F.✉, **Ashori, A.**, 2019. The effect of solvent and plasticizer on mechanical properties of chitosan based biocomposite. *Polymerization* 9 (3): 62–71. (In Persian)

16. Jonoobi, M. ✉, Shafie, M., Shirmohammadi, Y., **Ashori, A.**, Zarea-Hosseinabadi, H., & Mekonnen, T. 2019. A review on date palm tree: Properties, characterization and its potential applications. *Journal of Renewable Materials* 7 (11): 1055–1075.

17. **Ashori, A.**✉, Jonoobi, M., Ayrilmis, N., Shahreki, A., & Arab Phashapoyeh, A. 2019. Preparation and

characterization of polyhydroxybutyrate-*co*-valerate (PHBV) as green composites using nano reinforcements. *International Journal of Biological Macromolecules* 136: 1119–1124.

18. **Ashori, A.**✉, Shahreki, A., & Ismaeilimoghadam, S. 2019. Effects of cellulose nanocrystal addition on the properties of polyhydroxybutyrate-co-valerate (PHBV) films. *Iranian Journal of Wood and Paper Industries* 10 (1): 151–162. (In Persian)

19. Jonoobi, M.✉, **Ashori, A.**✉, & Siracusa, V. 2019. Characterization and properties of polyethersulfone/ modified cellulose nanocrystals nanocomposite membranes. *Polymer Testing* 76: 333–339.

20. Sepahvand, S., Jonoobi, M.✉, & **Ashori, A.** 2019. Surface chemical modification of cellulose nanofibers with phthalimid used as air filter to adsorb carbon dioxide. *Iranian Journal of Wood and Paper Science Research* 33 (4): 531–543. (In Persian)

21. **Ashori, A.**, Rafieyan, F., Kian, F., Jonoobi, B.✉, & Rezaie Tavabe, K. 2019. Effect of cellulose nanocrystals on performance of polyethersulfone nanocomposite membranes using electrospinning technique. *Polymer Composites* 40 (S1): E835–E841.

22. **Ashori, A.**✉, Ghiyasi, M., & Fallah, A. 2019. Glass fiber-reinforced epoxy composite with surface-modified graphene oxide: enhancement of interlaminar fracture toughness and thermo-mechanical performance. *Polymer Bulletin* 76 (1): 259–270.

23. Sepahvand, S., Jonoobi, M.✉, & **Ashori, A.** 2019. The effect of modified cellulose nano fiber by phthalimide on the adsorption rate of carbon dioxide ($CO_2$). *Iranian Journal of Wood and Paper Industries* 10 (3): 397–406. (In Persian)

24. Pourbaba, R., Izadyar, S., Hamzeh, Y.✉, & **Ashori, A.**, 2018. Effect of using cellulose nanofibers and cellulosic papermaking fines simultaneously on the properties of de-inked recycled pulp. *Journal of Forest and Wood Products* 71 (3): 263–273. (In Persian)

25. Ghanbari, A.✉, Tabarsa, T., Shakeri, A., **Ashori, A.**, & Mashkour, M. 2018. Thermoplastic starch/ cellulose nanofiber nanobiocomposite foam: Investigation on thermal and mechanical properties. *Journal of Wood and Forest Science and Technology* 25: 61–74. (In Persian)

26. Ghanbari, A.✉, Tabarsa, T., Shakeri, A., Mashkour, M., & **Ashori, A.** 2018. Preparation and characterization of mechanical and thermal properties of thermoplastic starch/ nano-cellulosic fiber biocomposites. *Journal of Wood and Forest Science and Technology* (In Persian - Accepted)

27. Eslah, F., Jonoobi, M., Faezipour, M., & **Ashori, A.**✉ 2018. Chemical modification of soybean flour-based

adhesives using acetylated cellulose nanocrystals. *Polymer Composites* 39 (10): 3618–3625.

28. Ghanbari, A., Tabarsa, T., **Ashori, A.**✉, Shakeri, A., & Mashkour, M. 2018. Preparation and characterization of thermoplastic starch and cellulosic nanofibers as green nanocomposites: Extrusion processing. *International Journal of Biological Macromolecules* 112: 442–447.

29. **Ashori, A.**✉, Ghofrani, M., Rezvani, M.H., & Ayrilmis, N. 2018. Development and material properties of reinforced plywood using carbon fiber and waste rubber powder. *Polymer Composites* 39 (3): 675–680.

30. Ghanbari, A., Tabarsa, T., **Ashori, A.**✉, Shakeri, A., & Mashkour, M. 2018. Thermoplastic starch foamed composites reinforced with cellulosic nanofibers: Thermal and mechanical properties. *Carbohydrate Polymers* 197: 305–311.

31. **Ashori, A.**✉, Fallah, A., Ghiyasi, M., & Rabiee, M. 2018. Reinforcing effects of functionalized graphene oxide on glass fiber/ epoxy composites. *Polymer Composites* 39 (S4): E2324–E2333.

32. Ghofrani, M., **Ashori, A.**✉, & Mehrabi, R. 2017. Mechanical and acoustical properties of particleboards made with date palm branches and vermiculite. *Polymer Testing* 60: 153–159.

33. Tabarsa, T., Sheykhnazari, S., **Ashori, A.**✉, Mashkor, M., & Khazaeian, A. 2017. Preparation and characterization of reinforced papers using bacterial cellulose. *International Journal of Biological Macromolecules* 101: 334–340.

34. Abdulkani, A., Hosseinzadeh, J., **Ashori, A.**✉**,** & Esmaeeli, H. 2017. Evaluation of the antibacterial activity of cellulose nanofibers / polylactic acid composites coated by ethanolic extract of propolis. *Polymer Composites* 38 (1): 13–19.

35. Babaee, M., Hamzeh, Y.✉, Jonoobi, M., & **Ashori, A.,** 2017. Characterization and fungal biodegradation of biocomposites reinforced with unmodified and modified cellulose nanofibers. *Journal of Forest & Wood Products* 70 (1): 137–145 (In Persian).

36. Jonoobi, M., Grami, M., **Ashori, A.**✉, & Ebrahimi, G. 2016. Effect of ozone pretreatment on the physical and mechanical properties of particleboard panels made from bagasse. *Measurement* 94: 451–455.

37. Menbari, S., **Ashori, A.**✉, Rahmani, H., & Bahrami, H. 2016. Viscoelastic response and interlaminar delamination resistance of epoxy/ glass fiber/ functionalized graphene oxide multi-scale composites. *Polymer Testing* 54: 186–195.

38. Ghofrani, M., **Ashori, A.**✉, Rezvani, M.H., & Arbabi Ghamsari, F. 2016. Acoustical properties of plywood/

waste tire rubber composite panels. *Measurement* 94: 382–387.

39. **Ashori, A.**✉, Menbari, S., & Bahrami, R. 2016. Mechanical and thermo-mechanical properties of short carbon fiber reinforced polypropylene composites using exfoliated graphene nanoplatelets coating. *Industrial and Engineering Chemistry* 38 (8): 37–42.

40. Sheykhnazari, S., Tabarsa, T., & **Ashori, A.**✉, Ghanbari, A. 2016. Bacterial cellulose composites loaded with $SiO_2$ nanoparticles: Dynamic-mechanical and thermal properties. *International Journal of Biological Macromolecules* 93: 672–677.

41. Ashenai Ghasemi, F., Ghasemi, I., Menbari, S., Ayaz, M., & **Ashori, A.**✉, 2016. Optimization of mechanical properties of polypropylene / talc/ graphene composites using response surface methodology. *Polymer Testing* 53: 283–292.

42. Rahmani, H., **Ashori, A.**✉, & Varnaseri, N. 2016. Surface modification of carbon fiber for improving the interfacial adhesion between carbon fiber and polymer matrix. *Polymers for Advanced Technologies* 27 (6): 805–811.

43. Mahmoudi Najafi, S.H.✉, Baghaie, M., & **Ashori, A.** 2016. Preparation and characterization of acetylated starch nanoparticles as drug carrier: Ciprofloxacin as a model. *International Journal of Biological Macromolecules* 87: 48–54.

44. Faezipour, M., Shamsi, R., **Ashori, A.**✉**,** Abdulkhani, A., & Kargarfard, A. 2016. Hybrid composites using recycled polycarbonate/ waste silk fibers and wood flour. *Polymer Composites* 37 (6): 1667–1673.

45. Abdulkhani, A., Daliri Sousefi, M., **Ashori, A.**✉, & Ebrahimi, G. 2016. Preparation and characterization of sodium carboxymethyl cellulose/silk fibroin/graphene oxide nanocomposite film. *Polymer Testing* 52: 218–224.

46. Nourbakhsh, A., **Ashori, A.**✉, & Kargarfard, A. 2016. Evaluation of multi-walled carbon nanotubes as reinforcement for natural fiber-based composites. *Polymer Composites* 37 (11): 3269–3274.

47. Ghofrani, M., Mirkhandozi, F.Z., & **Ashori, A.**✉ 2016. Effects of extractives removal on the performance of clear varnish coatings on boards. *Composite Materials* 50 (21): 3019–3024.

48. 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.

49. **Ashori, A.**✉, Rahmani, H., & Bahrami, R. 2015. Preparation and characterization of functionalized graphene

oxide/carbon fiber/epoxy nanocomposites. *Polymer Testing* 48: 82–88.

50. **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.

51. 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.

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