

SeyedMohamad Mirmehdi

Curriculum Vitae

Personal Information

- **Full name** SEYEDMOHAMMAD MIRMEHDI
- **Name in Bibliographic Citations** Seyedmohammad Mirmehdi
Mirmehdi, M.
Mirmehdi, S. M.
Mirmehdi Seyed Mohammad
Mirmehdi, S.
- **Gender** male
- **Professional Address** No. 1, Unit 1, Nabavi Dd.End, Ibne Sina St.
Tehran – Iran. Postal Code: 1151715711
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- **Birth information** 09/06/1981 - Tehran - Iran
- **E-Mail** Contact e-mail: mohamadmirmehdi@yahoo.com
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Formal Education

- 2013 - 2016** Doctorate in Wood & Paper Sciences and Technology
Universidade Federal de Lavras, UFLA, Lavras, Brazil
Title: Spray Coating of cellulose nanofibers suspension to obtain active packaging
Advisor: Prof. Dr. Gustavo Henrique Denzin Tonoli
Scholarship from : Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)
- 2006 - 2009** Master's in Wood Composites
Gorgan University of Agricultural sciences and Natural Resources, Golestan, Iran
Title: Manufacture of Naturalfiber/thermoplastic Composite by Using Date Palm Wood Flour and Polyethylene
Advisor: Dr. Asghar Omidvar and Dr. Mehrab Madhoushi
- 1999 - 2004** Graduation in Sciences and industry of wood and paper.
Karaj University of agricultural sciences and natural resources, Alborz, Iran
Title: Yield of Working in Wood Seasoning and Sawmilling
Advisor: Dr. Abdolrahman Hosseinzadeh

Professional Experience

1. Windavar - WINDAVAR

Contract institutional

- 2017 - Current** Food Packaging Distributer, Position: Consultant in Paper Business,
Working hours (weekly): 44, Schemes of job: Full-time and exclusiveness
Other information:
www.windavar.com Address: 30th Floor, 40 Bank Street, Canary Wharf, London, E 14 5NR, United Kingdom

2. Sorena Sazeh Part Choob - PART CHOOB

Contract institutional

- 2018 - Current** Wood-based Panel Copany, Position: Project Manager, Working hours
(weekly): 40, Schemes of job: Full-time and exclusiveness

3. Zino Industrial Group - ZINO

Contract institutional

2017 - 2018 Polymer Packaging Industry, Position: Quality Control Manager, Working hours (weekly): 45, Schemes of job: Full-time and exclusiveness

4. Momtaz Golestan Particle Board Co. - MOMTAZ

Contract institutional

2010 - 2012 Particle Board Factory, Position: Finishing Manager and Production Specialist and International Trade Specialist, Working hours (weekly): 40, Schemes of job: Full-time and exclusiveness

5. Sae Institute of Higher Education - SAEI

Contract institutional

2010 - 2011 Contract: Visitor Professor, Position: Teacher, Working hours (weekly): 4, Schemes of job: Part-time
Other information:
Teaching Experience: Course: Wood Based Panels, fall semester 2010. Gorgan-Iran.

6. Ghatesazan Rash Co

Contract institutional

2009 - 2010 Contract: Formal labor contract, Position: R & D Management, Working hours (weekly): 40, Schemes of job: Full-time and exclusiveness

7. Iran Wood, furniture & Paper Industry Magazine - MAGIRAN

Contract institutional

2007 - 2011 Contract: part time, Position: Translator, Working hours (weekly): 20, Schemes of job: Part-time

8. Negin Abginak Pasargad

Contract institutional

2002 - 2004 Contract: Formal labor contract, Position: Accountant, Schemes of job: Full-time and exclusiveness

Scientific Journal Referee

1. CARBOHYDRATE POLYMERS

Contract

2019 - Current Schemes of job: Part-time

2. Cerne

Contract

2016 - Current Schemes of job: Part-time

3. Cellulose Chemistry and Technology

Contract

2014 - Current Schemes of job: Part-time

4. Nordic Pulp & Paper Research Journal

Contract

2019 - Current Schemes of job: Part-time

Areas of Expertise

1. Wood Chemistry, Wood Science, Wood Products, Wood Technology, Wood Modification
2. Anatomy and Identification of Forest Products
3. Physical and Mechanical Properties of Wood
4. Wood-based panels
5. Technology of Cellulose and Paper
6. Water-Wood Relations and Drying
7. Nanocellulose
8. Food Packaging
9. Lignocellulosic conversion and lignocellulosic Composites
10. Polymer Composites
11. Natural Fibers
12. Pulp and Paper Technology
13. Biomass Conversion
14. Renewable energy
15. Coal and Charcoal
16. Biopolymer

Languages

English	Understanding Functional, Speaking Fluent, Writing Fluent, Reading Fluent
Persian	Understanding Fluent, Speaking Fluent, Writing Fluent, Reading Fluent
Portuguese	Understanding Fluent, Speaking Fluent, Writing Functional, Reading Fluent

Awards

2007 Excellent Student of Field of Study" wood composites", 4th Excellent Students Celebration in Gorgan University of Agricultural Sci. & Nat. Resources

Bibliographic Production

Articles Published in Scientific Journals

1. **MIRMEHDI, SEYEDMOHAMMAD**; DE OLIVEIRA, MARIA LUIZA CAFALCHIO et al. 2018. Spraying Cellulose Nanofibrils for Improvement of Tensile and Barrier Properties of Writing & Printing (W&P) Paper In JOURNAL OF WOOD CHEMISTRY AND TECHNOLOGY. , v.38, 1-13. doi:10.1080/02773813.2018.1432656

2. **MIRMEHDI, S. M.**, ZEINALY, F., DABBAGH, F. 2014 Date palm wood flour as filler of linear low-density polyethylene. Composites. Part B, Engineering. v.56, p.137 – 141. <https://doi.org/10.1016/j.compositesb.2013.08.008>

3. MIRMEHDI, SEYEDMOHAMMAD; HEIN, PAULO RICARDO GHERARDI et al. 2017.

Cellulose nanofibrils/nanoclay hybrid composite as a paper coating: Effects of spray time, nanoclay content and corona discharge on barrier and mechanical properties of the coated papers In FOOD PACKAGING AND SHELF LIFE., 87-94.

<https://doi.org/10.1016/j.fpsl.2017.11.007>

4. MIRMEHDI, S. M.; TONOLI, G. H. D. DABBAGH, F. 2017.

Lignocellulose-polyethylene composite: Influence of delignification, filler content, and filler type In CELLULOSE CHEMISTRY AND TECHNOLOGY. , v.51, 341-346

5. MOHAMMADI, HOSSEIN; MIRMEHDI, SEYEDMOHAMMAD et al. 2016.

Rice straw/thermoplastic composite: effect of filler loading, polymer type and moisture absorption on the performance in CERNE. , v.22, 449-456

[Doi: 10.1590/01047760201622042192](https://doi.org/10.1590/01047760201622042192)

6. PROTÁSIO, THIAGO DE PAULA, TRUGILHO, PAULO FERNANDO, MIRMEHDI, SEYEDMOHAMMAD et al. 2014

Quality and energetic evaluation of the charcoal made of babassu nut residues used in the steel industry.

Ciência e Agrotecnologia (UFLA). , v.38, p.435 - 444, 2014.

<http://dx.doi.org/10.1590/S1413-70542014000500003>

7. PROTÁSIO, THIAGO DE PAULA; GUIMario Guimarães JuniorMARAES JUNIOR, M.; **MIRMEHDI, SEYEDMOHAMMAD** et al.. 2017.

Combustion of biomass and charcoal made from babassu nutshell In Cerne., v.23, 1-10

<http://cerne.ufla.br/ojs/index.php/CERNE/article/view/1537>

8. PRADO, NEY ROBSON TAIRONI DO; RAABE, JOABEL; MIRMEHDI, SEYEDMOHAMMAD et al. 2017.

Strength improvement of hydroxypropyl methylcellulose/ starch films using cellulose nanocrystals in Cerne, v.23, 423-434

<http://dx.doi.org/10.1590/01047760201723042303>

9. ZIBIHZADEH, S. M., OMIDVAR, A., MARANDI, M. A. B., DASTOORIAN, F., MIRMEHDI, M.

Effect of filler loading on physical and flexural properties of rapeseed stem/pp composites. Bioresources (Raleigh, N.C). v.6, p.1475-1483 - 1483, 2011.

http://www.ncsu.edu/bioresources/BioRes_06/BioRes_06_2_1475_Zabihzadeh_OMDM_Filler_Load_Phys_Flex_Rapeseed_PP_Compos_945.pdf

10. ZABIHZADEH, S. M., OMIDVAR, A., MARANDI, M. A. B., MIRMEHDI, S. M., DASTOORIAN, F.

Physical and Mechanical Properties of Rapeseed Waste-filled LLDPE Composites. Journal of Thermoplastic Composite Materials., v.24, p.447 - 458, 2011.

[Doi: 10.1177/0892705710388591](https://doi.org/10.1177/0892705710388591)

11. MIRMEHDI, S. M., OMIDVAR, A., MADHOUSHI, M., SHAKERI, A.

Investigation on the mechanical properties of polyethylene/date palm wood flour composite: the effect of filler content and type. Journal of Wood and Forest Science and Technology. v.18, p.77 - 92, 2011.

<http://en.journals.sid.ir/ViewPaper.aspx?ID=266246>

12. MIRMEHDI, S. M., OMIDVAR, A., MADHOUSHI, M.

Study of Anatomical and Chemical Properties of Date Palm Tree Leaf, Stamaran Cultivar. JOURNAL OF FOREST AND WOOD PRODUCTS (JFWP) (IRANIAN JOURNAL OF NATURAL RESOURCES), v.63, p.187 - 200, 2010.

<http://en.journals.sid.ir/ViewPaper.aspx?ID=258243>

13. ZEINALY, F., DEGHANI, M., MIRMEHDI, S. M.

Bleaching of Kenaf Bast Soda Pulp with Alkali Peroxide. Journal of Wood and Forest Science and Technology. v.16, p.105 - 113, 2009.

<http://en.journals.sid.ir/ViewPaper.aspx?ID=173343>

Articles published in annals of events (complete)

1. MIRMEHDI SEYEDMOHAMMAD, NEY ROBSON TAIRONI DO PRADO, GUSTAVO HENRIQUE DENZIN TONOLI. Efeito do reforço e polpopação sobre as propriedades mecânicas de compositos de polietileno.

Encontro brasileiro em madeiras e em estruturas de madeira, Curitiba – PR. Associação paranaense de empresas de base florestal, 2016.

<http://www.ebramem.com.br>

2. Souza, M. T ; NOBRE, J. R. C ; GOULART, S. L ; **MIRMEHDI, SEYEDMOHAMMAD** ; PROTÁSIO, THIAGO DE PAULA ; LIMA, J. T ; REIS, A. H . ângulo microfibrilar e contrações das madeiras de eucalyptus saligna e eucalyptus urophylla. In: II Congresso Brasileiro De Ciência E Tecnologia Da Madeira - Sbctem, 2015, Belo Horizonte. Belo Horizonte: SBCTEM, 2015. v. 1. p. 1-9.

3. TASOOJI, M., MIRMEHDI, M.

Investigating the possibility of using wheat straw in producing wood composites. In: The 4th Agricultural Crops Residue National Conference, 2009, Tehran. TARBIAT MODARES University, 2009. p.55 - 61
<http://www.modares.ac.ir>

4. MIRMEHDI, M., OMIDVAR, A., MADHOUSHI, M., SHAKERI, A.

The effect of filler content and type on the mechanical properties of polyethylene/data palm wood flour composites. In: The 4th Agricultural Crops Residue National Conference, 2009, Tehran. TARBIAT MODARES University, 2009. p.69 - 76
<http://www.modares.ac.ir>

5. MIRMEHDI, M., OMIDVAR, A., ZEINALY, F.

The practicability of rice husk utilization in the manufacture of wood-plastic composite. In: The 4th Agricultural Crops Residue National Conference, 2009, Tehran. TARBIAT MODARES University, 2009. p.68 - 73
<http://www.modares.ac.ir>

Articles in Scientific Extension Magazines

1. MIRMEHDI, M.

Familiar with different kind of Ph. meters and their applications. Iran Wood, Furniture & Paper Industry Magazine. Tehran, v. 55, p.31 - 33, 2010.
<http://www.magiran.com/magtoc.asp?mgID=2956&Number=55>

2. MIRMEHDI, M.

Mesh size usage in wood-plastic composite. Iran Wood, Furniture & Paper Industry Mag. Tehran, v.48, p.22 - 26, 2009.
<http://www.magiran.com/magtoc.asp?mgID=2956&Number=48>

3. MIRMEHDI, M.

Rice husk utilization in the manufacture of wood-plastic composite. Iran Wood, Furniture & Paper Industry Magazine. Tehran, v. 43, p.32 - 35, 2009.
<http://www.magiran.com/view.asp?Type=pdf&ID=617685>

Other bibliographical production

1. MIRMEHDI, M.

Control the moisture content of MDF. Tehran: Iran Wood, Furniture & Paper Industry Magazine (ISSN/ISBN 1735-1588), v. 55, p. 24, 2010. (Article, Translation)
<http://www.magiran.com/magtoc.asp?mgID=2956&Number=55>

2. MIRMEHDI, M.

Hole drill machine, Fast and agile. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 57, p. 44, 2010. (Article, Translation)
<http://www.magiran.com/magtoc.asp?mgID=2956&Number=57>

3. MIRMEHDI, M.

Lacquers and coatings, other side of finishing. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 57, p. 42, 2010. (Translation)
<http://www.magiran.com/magtoc.asp?mgID=2956&Number=57>

4. MIRMEHDI, M.

The new standards for green particle board and TFM. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 52, p. 35, 2010. (Translation)
<http://www.magiran.com/magtoc.asp?Number=52&mgID=2956>

5. MIRMEHDI, M.

The outlook for future of world wood resources. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 54, p. 14, 2010. (Translation)
<http://www.magiran.com/magtoc.asp?Number=54&mgID=2956>

6. MIRMEHDI, M.

Using MDF. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 57, p. 60, 2010. (Translation)
<http://www.magiran.com/magtoc.asp?Number=56&mgID=2956>

7. MIRMEHDI, M.

Wood Coatings: For All Purposes. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 54, P. 24, 2010. (Translation)
<http://www.magiran.com/magtoc.asp?Number=54&mgID=2956>

8. MIRMEHDI, M.

Diagnostic guide for evaluating surface distortions in veneered furniture and cabinetry, Part 1. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 46, p. 32, 2010. (Article, Translation)
<http://www.magiran.com/magtoc.asp?Number=46&mgID=2956>

9. MIRMEHDI, M.

Diagnostic guide for evaluating surface distortions in veneered furniture and cabinetry, Part 2. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 47, p. 38, 2009. (Translation)
<http://www.magiran.com/magtoc.asp?Number=47&mgID=2956>

10. MIRMEHDI, M.

Succeed in Supplying Furniture for the majority (IKEA). Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 41, p.74, 2009. (Translation)
<http://www.magiran.com/magtoc.asp?Number=41&mgID=2956>

11. MIRMEHDI, M.

World furniture outlook 2009. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 43, p. 40, 2009. (Other, Translation)
<http://www.magiran.com/magtoc.asp?Number=43&mgID=2956>

12. MIRMEHDI, M.

A simple way to upholster chairs. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 36, p. 46, 2008. (Translation)
<http://www.magiran.com/magtoc.asp?Number=36&mgID=2956>

13. MIRMEHDI, M.

High speed surface assessment of wood and wood-based composites. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 34, p. 34, 2008. (Translation)
<http://www.magiran.com/magtoc.asp?Number=34&mgID=2956>

14. MIRMEHDI, M.

Middle East forest products market. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 35, p. 36, 2008. (Translation)
<http://www.magiran.com/magtoc.asp?Number=35&mgID=2956>

15. MIRMEHDI, M.

Special grades of MDF. Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 37, p. 40, 2008. (Translation)
<http://www.magiran.com/magtoc.asp?Number=37&mgID=2956>

16. MIRMEHDI, M.

The world's pulp & paper industry in 2008. Can it possibly be as robust as 2007? Tehran: Iran Wood, Furniture & Paper Industry Magazine, v. 39, p. 72, 2008. (Translation)
<http://www.magiran.com/magtoc.asp?Number=39&mgID=2956>

Technical Production

Social Networks, websites, blogs

1. MIRMEHDI, S. M.

Home page: <http://choobzar.blogfa.com>, 2005

Keywords: wood, Wood-Plastic Composites, wood-based panels, cellulose

Knowledge areas: Forest Resources and Forest Engineering

Additional references: Iran/Persian.

Short Term Courses

1. MIRMEHDI, SEYEDMOHAMMAD

Polymeric Materials, Biomaterials and Soft Matter. A Pró-Reitoria de Extensão e Cultura da Universidade Federal de Lavras, Departamento de Química, Lavras-MG. 2015 (Specialization).

Knowledge areas: Polymers, Applications, Biomaterials e Materials Biocompatible

Additional references: Brazil/Portuguese. 20 h. Printed and electronic media

2. MIRMEHDI, S.

Treinamento para Baraista (Coffee Specialization). Serviço Nacional de Aprendizagem Rural de Minas Gerais (Senar-MG). InovaCafé (UFLA), Lavras-MG. 2015

Knowledge areas: Coffee trade, Espresso, Cappuccino, Lattes, Coffee Equipment

Additional references: Brazil/Portuguese. 16 h. Printed.

3. MIRMEHDI, S.

English Course. Oxford University Press, Achieve Languages (advanced level), Lavras-MG. 2014.

Additional references: Brazil/English. 24 weeks. Printed Certificate

4. MIRMEHDI, S.

Identification and Analysis of the World of Nanoscience and Aspects of Applied of Analysis SPM. Pegah-e Arya Scholar Corporation, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan-Golestan. 2013.

Keywords: Nanotechnology

Sectors: Other professional, scientific and technical activities

Additional references: Iran/Persian. 3 h. Printed Certificate

5. MIRMEHDI, S.

Nanotechnology Applications in Technical & Engineering Science. Pegah-e Arya Scholar Corporation, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan-Golestan. 2013.

Keywords: Nanotechnology

Additional references: Iran/Persian. 3 h. Printed Certificate

Participation in Exhibition and fairs

1. MIRMEHDI, S. M. 16th International Exhibition of Accessories, Machinery & Wood, Equipment and Related Industries. 2018.

Additional references: Iran/Persian. 1 week

2. KHODAKHANI, P., MIRMEHDI, M.

Graduation Student of Wood Industry (Zarrin Moor Co.), the first international exhibition of wood industry, Iran International Exhibition co. Tehran, 2001. (Exposition, Event Production)

Additional references: Iran/Persian. 1 week. Certification

3. KHODAKHANI, P., MIRMEHDI, M.

Moisture measurement and control systems, Zarrin Moor Technical Services Co. Iran International Exhibitions. Tehran, 2001. (Exposition, Event Production)

Keywords: Moisture Content

Knowledge areas: Water-Wood Relations and Drying

Additional references: Iran/Persian. 1 week. Certification

Participation in Events, and Seminar

Scenery and environmental consultancy in Portugal: the experience of harvesting environment in waste management (Cenário e consultoria ambiental em Portugal: an experiência da ceifa ambiente na gestão de resíduos). Pró-Reitoria de Extensão e Cultura, Lavras- MG, 2013. (Seminar, Participant)

Additional references: Brazil/Portuguese. 1 day. Certification

Interviews, Programs and Media Comments

1. MIRMEHDI, SEYEDMOHAMMAD; TONOLI, G. H. D. ; Silva L. E . UFLA DESENVOLVE PESQUISA SOBRE O CAVACO DA MADEIRA. Nanocellulose. 2015.

<https://www.youtube.com/watch?v=LfrcdWaN7M>

2. MIRMEHDI, SEYEDMOHAMMAD. Finish Foil in Particleboard coating. 2013.

<https://www.youtube.com/watch?v=nX9F7J3KAX4>

3. MIRMEHDI, SEYEDMOHAMMAD. Knife Ring. 2013.

<https://www.youtube.com/watch?v=Al7Z6pltpzE>

4. MIRMEHDI, SEYEDMOHAMMAD. Mat of Particleboard. 2013.

<https://www.youtube.com/watch?v=9FgsZr8yVGo>

5. MIRMEHDI, SEYEDMOHAMMAD. Double Stream Mill. 2013.

<https://www.youtube.com/watch?v=UxgFmx01jvs>

Patent

Confirmation of the status of a patent application may be requested from the Patent Directorate (DIRPA) by means of a Certificate of Proceedings

1. BOREM, F. M.; TONOLI, G. H. D.; MIRMEHDI, M.; OLIVEIRA, M. L. C.

Intelligent Multilayer Packaging that Absorbs Moisture and Releases CO₂ Inside. 2016, Brazil.

Patent: Privilege of Innovation. Registration number: BR10201602558, title: "Intelligent Multilayer Packaging that Absorbs Moisture and Releases CO₂ Inside," Registration Institution: INPI - Instituto Nacional da Propriedade Industrial. Deposit: 11/01/2016

Total of Production

Professional Experience	8
Bibliographic Production	
Articles published in scientific journal.....	13
Articles published in annals of events.....	5
Article in magazine.....	3
Translation (articles).....	2
Translation (Others).....	14
Technical Production	
Website and Blog.....	1
Short Term Course Taught (Improvement).....	3
Short Term Course Taught (specialization).....	2
Events	
Event Production (exposition).....	3
Participation in events (seminar).....	1
Media.....	5
Patent.....	1