

PERSONAL INFORMATION

Mohammad Hassan MAZAHERIFAR



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Faculty of Furniture Design and Wood Engineering Braşov, Street Universităţii 1, Braşov 500068



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DOMAIN

Ph.D. Candidate in Furniture Design and Wood Engineering – Lignocellulosic Composites

Period September 2022-present

Position PhD candidate, Transilvania University of Brasov, 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro), Faculty of Furniture Design and Wood Engineering,

Period June 2024 – March 2025

Position Fungal culture laboratory, working on the research project entitled mycelium-based composite panels using recycled paper and cardboard, Faculty of Furniture Design and Wood Engineering, Transilvania University of Braşov, Romania.

Period March 2024 – May 2024

Position Worked at the fungal culture laboratory under the Erasmus fund as a trainee student on the research project entitled mycelium-based composite panels using recycled paper and cardboard, Faculty of Forest Science and Forest Ecology, Georg-August-University of Gottingen, Germany.

Period November 2021 – March 2022

Position Erasmus+ program as an exchange student - Evaluated physical and mechanical properties of fiber-fiber reinforced laminated composite panels, Faculty of Furniture Design and Wood Engineering, Transilvania University of Braşov, Romania.

Period March 2021 – November 2021

Position Laboratory assistant, worked on physical and mechanical testing and chemical analysis of wood products, Department of Wood and Paper Science and Technology, Faculty of Natural Resources, University of Tehran, Karaj, Iran.

Period 2020 – 2021

Position Member of the scientific association, Department of Wood and Paper Science and Technology, Faculty of Natural Resources, University of Tehran, Karaj, Iran.

Sex: Male | Nationality - Iranian

PROFESSIONAL EXPERIENCE

ACADEMIC BACKGROUND

- September 2022 – Present Ph.D. Student, Faculty of Furniture Design and Wood Engineering, Transilvania University of Braşov, Romania.
Major: Value-Added Lignocellulosic Composites
- 2019-2022 M.S. Degree, Department of Wood and Paper Science and Technology, Faculty of Natural Resources, University of Tehran, Karaj, Iran.
Major: Lignocellulosic Composites (19.38 / 20 GPA)
- 2017- 2019 B.S. Degree, Department of Wood and Paper Science and Technology, University of Imam Khomeini, Golestan, Iran. (19.49 / 20 GPA)
- 2015 – 2017 Associate Degree, Department of Wood and Paper Science and Technology, University of Soroush, Esfahan, Iran. (18.20 / 20 GPA)

PERSONAL SKILLS

Mother tongue(s) Persian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Interpreter certificate for technical English/ Ministry of Education					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

- Communication skills
- good communication skills acquired through teaching experience in higher education .
- EXPERIENCE IN INSTRUMENTATION
- Physical and Mechanical Tests
Experience in physical and mechanical tests, namely density measurement, dimensional stability (water absorption and thickness swelling), thermal conductivity, sound absorption, flexural test, tensile test, internal bonding test, and charpy impact test.
 - Statistical Analysis
Experienced in analyzing physical and mechanical data using statistical methods, including two-sample ttests, ANOVA, and related techniques with Minitab.

- Computer skills
- AutoCAD
 - CATIA
 - Photoshop
 - Minitab
 - Microsoft Office

- Driving License
- B

- Publications (last 5 years)
- Mazaherifar, M.H., Hizirolu, S., Brenci, L.M. and Coşereanu, C. (2025). Properties of insulationtype green composite panels manufactured from recycled cardboard. *Applied Sciences* 15(19), 10378. Doi: <https://doi.org/10.3390/app151910378>.
 - Mazaherifar, M. H., Lungu, A., Timar, M. C., Georgescu, S. V., Ispas, M., & Coşereanu, C. (2025). Properties of green foam-type composites made from recycled paper and cardboard. *Recycling*, 10(6), 196. <https://doi.org/10.3390/recycling10060196>.
 - Mazaherifar, M. H., Zeleniuc, O., Cerbu, C., Georgescu, S. V., Lungu, A., & Coşereanu, C. (2025). Performance of Carbon Fiber-Reinforced Date Palm Midrib Composites. *Fibers*, 13(5), 57. <https://doi.org/10.3390/fib13050057>.
 - Mazaherifar, M. H., Timar, M. C., Georgescu, S. V., & Coşereanu, C. (2025). Sustainable thermal and acoustic insulating panels from recycled cardboard. *BioResources*, 20(2), 4115–4135. <https://doi.org/10.15376/biores.20.2.4115-4135>.
 - Mazaherifar, M. H., Mazaherifar, M. H., & Coşereanu, C. (2025). Sustainable foam composites made from recycled cardboard. *Pro Ligno*, 21(2), 38–46. https://www.proligno.ro/en/articles/2025/2/MAZAHERIFAR_Final.pdf
 - Mazaherifar, M. H., Coşereanu, C., Timar, M. C., & Georgescu, S. V. (2024). Physical and mechanical properties of foam-type panels manufactured from recycled cardboard. *Construction and Building Materials*, 411, 134685. <https://doi.org/10.1016/j.conbuildmat.2023.134685>.
 - Mazaherifar, M. H., Coşereanu, C., Timar, M. C., & Georgescu, S. V. (2024). Method to recycle corrugated cardboard in eco-friendly composites. *Proceedings of the 10th International Conference on Advanced Composite Materials Engineering (COMAT)*, Brasov, 22-23 October 2024.
 - Mazaherifar, M. H. Composites Made of Recycled Cardboard. *Doctoral Conference DoCo 2024*, Universitatea Transilvania din Braşov. https://www.unitbv.ro/Detailed_Programme.pdf
 - Zeleniuc, O., Mazaherifar, M. H., Coşereanu, C., & Suciu, A. (2024). Date-palm-based sustainable hybrid composite with cotton and Kevlar fibre participation. *Applied Sciences*, 14(3), 1008. <https://doi.org/10.3390/app14031008>.
 - Mazaherifar, M. H., Hosseinabadi, H. Z., Coşereanu, C., Cerbu, C., Timar, M. C., & Georgescu, S. V. (2022). Investigation on Phoenix dactylifera/Calotropis procera fibre-reinforced epoxy hybrid composites. *Forests*, 13(12), 2098. <https://doi.org/10.3390/f13122098>.

CONFERENCES AND PRESENTATIONS

- Oral Presentation, Wood Science and Engineering in the Third Millennium (ICWSE) 2025, Transilvania University of Braşov, Romania.
- Oral Presentation, Doctoral Conference (DoCo) 2024, Transilvania University of Braşov, Romania.
- Oral Presentation, Wood Science and Engineering in the Third Millennium (ICWSE) 2023, Transilvania University of Braşov, Romania.
- Attendee, Byproducts of Palms and Their Applications (ByPalma) 2021, Virtual Conference.
- Attendee, International Association of Wood Anatomists (IAWA) 2021, Virtual Conference.
- Attendee, The Series of Meeting on Climate Change and Its Consequences 2021, Virtual Conference.
- Attendee, Design and Introduction of New Products in the Furniture Industry 2020, Virtual Conference, organized by the Department of Wood and Paper Science and Technology, Faculty of Natural Resources, University of Tehran, Karaj, Iran