Name: **Ali Bisheh**

Email: ali.bisheh75@sharif.edu

Education

BSc.

University: Kashan University (2015-2019)
Major: Mechanical engineering
Thesis: Calculation of Thermal and Refrigerant Loads of a 12-Storey Hotel in Isfahan Health Town by Design Builder Software and Investigation of the Impact of GFRC Concrete Shell Around Hotel Structure on Heat and Refrigeration Loads
Supervisor: Dr. Ali Reza Aghaee

Msc.

University: Isfahan University of Techtology (2019-2022)
Major: Mechanical engineering - Polymer nanocomposites
Thesis: Synthesis and mechanical and physical characterization of elastomeric nanocomposites reinforced with TiO2 and Nano-clay used in artificial prosthetic limbs
Supervisor: Dr. Mehdi Karevan

PhD

University: Sharif University of Technology (2024-Present)
Major: Nano Science and Nanotechnology

Research Experience:

- Material Synthesis
- Elastomeric nanocomposites
- Engineering mechanical properties by nanoparticles

Publications:

1. Resonance Acoustic Mixing (RAM) in Fabrication of Thermoplastic Micro/Nano-composites: On Solid-state Dispersion (ICME-2023)
2. Effect of Nano/Micro Reinforcement Type on Mechanical and Physical Response of Polyurethane based Micro-nanocomposites (CCFA8-2022)

3. Performance of rotary jet melt spun polypropylene fiber reinforced polyester composites (CCFA8-2022)
4. Investigating the effect of PVC and nanoclay on impact ability and mechanical properties of polyester nanocomposites (CCFA8-2022)
5. Investigation of Polyurethane-based Elastomeric Microcomposites Reinforced with Titanium Dioxide (TiO2) (ISPST-2022)
6. Resonance Acoustic Mixing (RAM) in Fabrication of Thermoplastic Micro/Nano-composites: On Solid-state Dispersion (ISPST-2022)
7. Melt Processing of Acrylonitrile-butadiene-styrene (ABS) on Liquid Deposition Modeling (LDM) 3D Printing and Injection Molding: Process Feasibility (ISPST-2022)
8. Nanoclay/Kenaf/Polyester Hybrid Composites: Synergistic Effects on Energy Absorbance (ISPST-2022)
9. Studying the effect of furnace firing on the mechanical and thermal properties of poly-urethane-based elastomers (IAAMM-2022)
10. Investigating the effect of GFRC concrete shell around the hotel structure on thermal and cooling loads (ICCAC-2022)
11. Study of improving the properties of silicon-based nanocomposite prostheses in artificial organs (MCMIM-2021)

✓ **Full Resume: https://civilica.com/p/331091/**