Fereshtehsadat Mirab

M.Sc. Graduate
Polymeric Materials Research Group
Department of Materials Science & Engineering
Sharif University of Technology

Date of Birth: February 7, 1990
Marital Status: Married
Email: fs.mirab@gmail.com

Educational Background

- **M.Sc.** in Materials Science and Engineering (2013-2015)

  GPA: **16.79/20**
  Thesis Title: ***Fabrication and Characterization of Nanocomposite Bone Scaffold with Gradient Structure Based on Thermoplastic Starch***
  Supervisor: **Professor Reza Bagheri**
  Address: Polymeric Materials Research Group, Sharif University of Technology, Tehran, Iran.

- **B.Sc.** in Materials Science and Engineering (2008-2013)

  Total GPA: **16.17/20**
  Thesis Title**: *The Investigation of Structural Evolution and Mechanical Properties of Al/AZ31 and Al/Mg Composites During Accumulative Roll Bonding (ARB)***
  Supervisor: **Dr. Abbas Akbarzadeh**
  Address: Department of Materials Science and Engineering, Sharif University of Technology, Tehran, Iran.

- **High School Diploma** in Mathematics and Physics (2004-2008)

  Total GPA: **19.73/20**
  Address: Abou-Ali-Sina High School, Tehran, Iran.

Publications

- M. Karimi, M. Eslami, P. Sahandi Zangabad, **F. Mirab,** N. Faraji, Z. Shafaei, D. Ghosh, M. Bozorgomid, F. Dashkhaneh, M. R. Hamblin, ***"pH-Sensitive Stimulus-Responsive Nanocarriers for Targeted Delivery of Therapeutic Agents"***, WIREs nanomedicine and Nanobiotechnology journal, 2015.
- **F. Mirab**; M. Eslamian; R. Bagheri, ***"Fabrication and Characterization of a Novel Starch-Based Nanocomposite Scaffold with Highly Porous and Gradient Structure for Bone Tissue Engineering"*** (Submitted to Carbohydrate Polymers, January 2017).

Certificates

- **Laboratory Safety Course Certificate**, Institute for Nanoscience and Nanotechnology, Sharif University of Technology (Spring Semester, 2014)
- Attendance Certificate: **3rd PAM International School on Application of Nanomaterials in Medicine**, Sharif University of Technology (2-4 November 2016)

Research Interests

- Advanced polymeric materials
- Bio-compatible/degradable polymers
- Tissue engineering

Selected Graduate Courses

- Biocompatibility
- Advanced polymers
- Polymeric-based nanocomposites
- Modern methods of materials characterization
- Principles and properties of nanomaterials

Computer Skills

- Programming Language**:** Turbo Pascal
- Software: Auto-CAD, Photoshop, Microsoft office

Academic References

- **Prof. Reza Bagheri**, Dept. of Mat. Sci. & Eng., Sharif University of Technology, Iran.
  Email: rezabagh@sharif.edu
- **Dr. Gholamreza Pircheraghi**, Dept. of Mat. Sci. & Eng., Sharif University of Technology, Iran.
  Email: pircheraghi@sharif.ir
- **Dr. Abbas Akbarzadeh**, Dept. of Mat. Sci. & Eng., Sharif University of Technology, Iran.
  Email: abbasa@sharif.edu
- **Dr. Mahdi Karimi**, Dept. of Medical Nanotechnology, School of Advanced Technology in Medicine, Iran University of Medical Sciences, Tehran, Iran.
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