

Curriculum Vitae

Saba Sayyareh, BSc.

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Education

Sharif University of Technology - Tehran, Iran

Bachelor of Science Degree in **Materials Science and Engineering** - January 2021

Concentration: **Biomaterials & Tissue Engineering**

GPA: 17.12 / 20 - (3.65 / 4)

Major GPA: 17.42 / 20 - (3.83 / 4)

Last Three Semesters GPA: 18.24 – (3.89 / 4)

Farzanegan High School (National Organization for Talented Students) -Tehran, Iran

Graduate Diploma in **Mathematics & Physics** – June 2016

GPA: 19.75/20

Relevant Coursework:

General Chemistry, General Chemistry Laboratory, Mechanical Properties of Materials, Principles of Polymer Engineering, Principles of Ceramic Engineering, Ceramic Laboratory, Material Selection for Engineering Design, Principles of Materials Characterization

Awards

- Academic achievement prize of the Materials Science and Engineering Department (Ranked 1st among all Materials Science and Engineering undergraduate students in the 2020 Academic Year)
 - Top 10% of Materials Science and Engineering undergraduate students
 - Ranked 1st among students in the third year of Farzanegan High School
 - Ranked 1st among students in the second year of Farzanegan High School
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Presentations

- **Applications of graphene**, Sharif University of Technology, Tehran, Iran - May 2019
 - **Blow molding process of polymers**, Sharif University of Technology Sharif University, Tehran, Iran – May 2019
 - **A review on injectable hydrogels for bone tissue engineering**, Sharif University of Technology Sharif University, Tehran, Iran – June 2020
 - **Statistical approach in origin lab application**, Sharif University of Technology Sharif University, Tehran, Iran – June 2020
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Posters

- **A review on injectable hydrogels for bone tissue engineering**, Sharif University of Technology Sharif University, Tehran, Iran – June 2020
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Publications

- **A nonparametric tracking interval for model selection: Application in strength of brittle materials** (2020). Communications in Statistics - Theory and Methods (in press)
 - **An article on the synthesis of a silk/carbon nitride composite hydrogel for bone tissue engineering and cancer therapy and the study of the effect of carbon nitride on cell proliferation under red light-** in progress
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Projects

- **The applications of injectable hydrogels in tissue engineering**, Performed at the Iranian Polymer and Petrochemical Institute – July 2019
 - **Synthesis of a silk/carbon nitride composite hydrogel for bone tissue engineering and cancer therapy and the study of the effect of carbon nitride on cell proliferation under red light** - in progress
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Skills

- **Software:** AutoCAD, MATLAB, Python, Origin Lab, X'Pert Highscore, ImageJ, Excel, Word, PowerPoint
 - **Hardware:** Optical Microscope, Rockwell Hardness Tester, Tensile and Compression Tests Machine, Metals Forming Machines
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Language Proficiency

- **Persian** (Native language)
 - **English** (TOEFL iBT score:104 -R26, L27, S30, W21- lived in Montreal, Canada for 3 years)
 - **French** (Intermediate spoken and written - lived in Bordeaux, France for 3 years)
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Personal Interests

- Playing sports
- Listening to music
- Reading novels
- Traveling
- Learning new languages

