

Habib Abdollahi

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Education

- 09/2021 – Present • **M.Sc. in Material Science & Engineering**
Sharif University of Technology
Sophomore GPA: 19.32/20 (4/4)
- 09/2016 – 05/2021 • **B.Sc. in Material Science & Engineering**
Sharif University of Technology
GPA: 16.14/20 (3.5/4)
- 09/2012 – 07/2016 • **High-School Diploma, Mathematics and Physics major**
Allameh Helli 9 High School
GPA: 19.3/20

Research Interests

- Perovskite solar cell
- Nanostructures synthesis
- Nanomaterials
- Electronic devices
- Semiconductors
- Ceramics

Honors And Awards

- Ranked 2nd of approximately 3000 participants in Iran national universities entrance exam for M.Sc. degree
- Ranked 5th among students of materials science and engineering national Olympiad
- Receiving the award of academic achievement among the B.Sc. students of Materials Science and Engineering department

- Ranked 1st in high-performance porcelain making competition of sharif
- Achieving gold medal of sharif futsal cup by MSE department team for 2 consecutive years
- Ranked top 1% amongst nearly 165000 participants in Iran national university entrance exam for undergraduate Studies

Research Experience

Fall 2021- Present	<ul style="list-style-type: none"> • Master's project: Investigation of ion migration in multi-cationic perovskite solar cells containing light-emitting quantum dots 	Supervisor: Prof.A. Simchi
Fall 2020- Fall 2021	<ul style="list-style-type: none"> • Bachelor's project: recycling of crosslinked poly Ethelene Vinyl Acetate (EVA) foam 	Supervisor: Associate Prof.Gh. Pircheraghi
Fall 2020	<ul style="list-style-type: none"> • Research on high-performance porcelain production methods 	Supervisor: Assistant Prof.A.M. Khachatourian

Academic Projects

Fall 2018	<ul style="list-style-type: none"> • Course project on “Polymer injection molding process”
Fall 2019	<ul style="list-style-type: none"> • Course project on “Innovative method for lithium extraction”
Fall 2020	<ul style="list-style-type: none"> • presentation on “glass fiber reinforced epoxy composites”
Spring 2021	<ul style="list-style-type: none"> • Course project on “Properties of AlN & BN semiconductors”
Fall 2021	<ul style="list-style-type: none"> • presentation on “HAADF & EELS microscopic characterizations”
Spring 2022	<ul style="list-style-type: none"> • Course project on “improving stability of Perovskite solar cells”

Selected Courses

	Marks		Marks
• Principles of Surface Engineering	20/20	• Numerical Computation	20/20
• Dislocation Theory	20/20	• Physical Metallurgy 2	20/20
• Principles of Ceramic Engineering	19.5/20	• Materials Characterization Techniques	18.8/20

Skills

Computing skills

➤ Software

- Origin
- X'Pert HighScore Plus
- Image J
- AutoCAD

➤ Programming Languages

- MATLAB
- Python

Language Skills

- Persian: native
- English: fluent (IELTS exam will be taken in 3 months)
- French: basic

Work Experience

Winter 2020-present	• librarian assistant at central library of Sharif University of Technology
Winter 2021-present	• Working as teacher assistant for two consecutive semesters
Winter 2021-present	• coauthor of thermodynamic book in modaresan sharif institution

References

- **Prof. A. Simchi** Department of Materials Science and Engineering, Sharif University of Technology
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- **Associate Prof.Gh. Pircheraghi** Department of Materials Science and Engineering, Sharif University of Technology
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- **Prof. Mohsen Kazeminezhad** Department of Materials Science and Engineering, Sharif University of Technology
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- **Associate Prof.R. Tavakoli** Department of Materials Science and Engineering, Sharif University of Technology
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- **Assistant Prof.A. M. Khachatourian** Department of Materials Science and Engineering, Sharif University of Technology
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