

May, 2020

Mohammadreza Kabirian Moghaddam



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EDUCATION

- **Sharif University of Technology, Tehran, Iran.** 2018-Now
M.Sc. in Materials Selection and Characterization
GPA: 18.20
- **Sharif University of Technology, Tehran, Iran.** 2014-2018
B.Sc. in Material Science and Engineering
GPA: 17.12/20, 3.54/4 via 141 credits
GPA (last two years): 17.96/20, 3.67/4 via 73 credits
- **National Organization for Development of Exceptional Talents** 2010-2013
High School Diploma, Mathematics and Physics
GPA: 18.60

HONORS AND AWARDS

- **Ranked 11th** among 300 bachelor students of material engineering in material science and engineering Olympiad exam 2018
- Permitted to study M.Sc. in material science and engineering without entrance exam in Sharif University of Technology (This permission is only awarded to talented students, introduced by the Exceptional Talents Office) 2018
- **Ranked 5th** among 50 undergraduate students in bachelor of material science and engineering, SUT 2018
- **Ranked top 0.5%** of approximately 223,000 participants in Iran national Universities entrance exam for B.Sc. degree 2014

RESEARCH INTERESTS

- Advanced materials
- Nanomaterial synthesis
- Nanostructured materials, Nanocomposites
- Water splitting

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RESEARCH EXPERIENCE

- M.Sc. project:** Developing Nanostructured Material for photoelectrochemical water splitting 2018-Now
Supervisor: Dr. A. Simchi
- **B.Sc. project:** Investigation on the synthesis of carbon nitride nanosheets and their photocatalytic performance 2016-2018
Supervisor: Dr. S. K. Sadrnezhad

WORK EXPERIENCE

- Internship for 240 hours at Saipa Corporation Jul 2018

PUBLICATION

- **M.R Kabirian Moghaddam**, A Salehi, and S.K Sadrnezhaad, "Comparison of carbon nitride nanosheets synthesized by thermal and ultrasonic thermal (combined) methods", Journal of Advanced Materials and Technologies, 2020, 8(4), pp 1-7.

ACADEMIC PROJECTS AND RESEARCHES

- "Material selection for Shell and tube heat exchangers", fall 2017, project for "Material selection"
- "Investigation on the Effect of fiber straightness and sizing in carbon fiber reinforced powder epoxy composites", spring 2018, project for "Composite materials"
- "Investigation on the packaging material for processed meat", fall 2016, project for "Principle of polymer engineering"

LANGUAGE SKILLS

- English Fluent
- Persian Native

COMPUTER SKILLS

- Engineering software: CES, ProCast, Solidworks, AutoCad
- Programming language: Python, MATLAB
- O.S. and tools: Microsoft Windows, Microsoft Office (Word, Excel and PowerPoint)

REFERENCE

Available upon request