



BAGHERI KHASHAYAR

25 years old, Single

Materials and mechanical Engineer

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Languages

- Persian ● ● ● ● ●
- English ● ● ● ●
- French ● ●

Skills

- Microsoft Office, ABAQUS
- COMSOL, Origin Pro
- Matlab, Maple
- Scanning Electron Microscope (SEM)
- UV-VIS Spectroscopy, Zeta potential
- Photoluminescence Spectroscopy
- X-ray Diffraction (XRD), FT-IR
- Raman spectroscopy, DLS

Honors and Awards

- Awarded SQU funding for water treatment Application.
- Top 1% among more than 5700 participants in Nationwide Universities Entrance Exam (MSc).
- Ranked 1th among 52 High school students of Mathematics and Physics Disciplines, AMIN High school, for whole 4 years.
- Top 4% among more than 260,000 participants in Nationwide Universities Entrance Exam (BSc), Iran.

Areas of Interest

- Composite Materials
- Energy (Solar Cell, Li-ion Batteries)
- 2D Nanomaterials
- Optical Property of Materials
- Photo/electro-catalysis: Fuel cells, water splitting
- Semiconductor materials

Education

Master in Mechanical and Materials engineering Metz Campus, Ecole Nationale Supérieure d'Arts et Métiers (ENSAM)	2018-2019
Master in Materials science and engineering Faculty of materials science engineering, University of Tehran, Tehran, Iran	SEP 2017_ SEP 2018
B.Sc. in Metallurgy and Materials Engineering, Babol Noshirvani University of technology, Iran GPA: 19.5/20	SEP 2012_ JUL 2017
Diploma in Mathematics and Physics Disciplines, AMIN High School, GPA: 19.54/20	2008-2012

Technical Experiences

Research Assistant at Center Of Nanotechnology, Sultan Qaboos University (SQU), Muscat, Oman	AUGUST 2017-SEP 2018
Research Assistant at University Of Tehran (UT), Tehran, Iran	OCTOBER 2017- 2018
Research Assistant at Shahid Beheshti University (SBU), Tehran, Iran	FEBRUARY 2016- 2018

Publications

- 1) K. Bagheri, F. Rouzafzay, R. shidpour, Mohammed Z. M. Al-Abri. "shear exfoliated Graphene/Zinc oxide photocatalyst for photodegradation of organic dye under visible light irradiation." (Submitted).
- 2) K. Bagheri, R. shidpour, F. Rouzafzay, Mohammed Z. M. Al-Abri. "Visible-light-driven high active ZnFe₂O₄@ZnO core-shell nanocomposite as a promising magnetically separable photocatalyst." (Under processing)
- 3) K. Bagheri, SA. Seyed Ebrahimi, R. shidpour, "visible-light-driven high active α -Fe₂O₃@ZnO core-shell nanocomposite as a promising magnetically separable photocatalyst." (Under processing)
- 4) Also two other papers under processing.

Society and Committee Memberships

- Member of "Scientific Association of Metallurgy and Materials Engineering " for 2 consecutive years, holding tremendous scientific classes, conferences, field trips.
- Board member of "Association for Science and Technology in Babol Noshirvani University of Technology".
- Workshop about Introduction to Project and Field Selection for Junior Student, Babol, Iran.
- Working as Education Consultant at Gam-e-Akhar institute in Amol, Iran.
- Working at Physics & Mathematics Classes. Supervisor at Gam-e-Akhar institute In Amol, Iran.
- Co-Founder of Gam-e-Akhar educational institute in Amol, Iran 2012-2015.