



Seyed Ashkan Moghadam Ziabari

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Qualifications

1. **Research Assistant (RA)** at the **Institute of Physics, Zagreb**, Croatia since Dec 16th 2021.
2. **Ph. D.** student at the **University of Zagreb**, Croatia.
3. Selected in the **Iranian University Entrance Exam** (well known as Konkour) and admission to two of the best free public universities in Iran with high global rankings.
4. **Top researcher** of the school of physics among Master of Science students at Iran university of science and technology (IUST).
5. **Several published** articles in various journals (Please visit the links).
6. Participated with poster presentation in the school on **Exoic Superconductivity (ExoSup 2022)** held at the institut d'etudes scientifiques de cargèse (IESC), France from 14/06/2022 to 24/06/2022.
7. Participated in the International Workshop on **Correlations and Angle-Resolved Photoemission Spectroscopy (CORPES22)** held virtually at Brookhaven National Laboratory (BNL) in USA in 2022.
8. Participated in the **Magnetic properties measurement system (MPMS)** online workshop held by Quantum Design GmbH with a focus on SQUID magnetometer MPMS3 in Germany in 2022.
9. Participated in the **6th PhD Symposium** with an international meet up at the University of Zagreb, Croatia on Apr 23-24th 2022.
10. Participated with poster presentation in the **ECMetAC Days 2022 conference** organized onsite by the University of Split, Faculty of Science, Croatia, from 21st to 24th November 2022.
11. Participated with poster presentation in the **6th national conference on progress in superconductivity and magnetism** on May 1st & 2nd 2019 at the University of Tehran in Iran.
12. Participated with poster presentation in the **14th conference on condensed matter** on Feb 6-7th 2019 at Shahid Chamran University of Ahvaz in Iran.
13. Presented an **oral talk** in the **1st Mini-Workshop** organized at the Institute of Physics, Zagreb on 2nd November 2022
14. Diploma of **Mathematics and Physics** from Dr. Shahid Beheshti (Former Shahpour and former Nomreh 1) high school, **the oldest and one of the best high schools** in Guilan province registered in the **Iranian National Heritage List** with great well-known graduated people such as **Prof. Dr. Majid Samii**, **Prof. Dr. Fazlollah Reza** and **Prof. Dr. Mohammad Moin** in its records.
15. Finished **4th out of 32** students in bachelor level in solid state physics at the **University of Guilan** which is highly ranked in various ranking websites.
16. Graduated student from prestigious **Iran University of Science and Technology (IUST)** ranked 1st in Iran (**491 in the world**) among more than 2500 universities, institutes and colleges in Iran according to QS ranking in 2015; Ranked **531-540** in 2023.

17. Characterization of materials with analysis devices such as **XRD, VSM, SEM, TGA, FT-IR, UV-Visible** and **Magnetic Hyperthermia**.
18. Skilled in soft-wares such as **X-pert high score** (characterization of XRD graphs), **Origin Lab** (drawing graphs), **SCAPS-1D**, **Ansys Lumerical FDTD** and **3Ds Max** (graphic modeling).
19. Participated in the **Comsol Multiphysics workshop** at the University of Guilan.
20. Participated in the **Vacuum technique workshop** at the University of Guilan.
21. Awarded with a certificate in the **Health Security Environment (HSE) as an independent course** at Iran University of Science and Technology (IUST).
22. Awarded with a certificate in the **General Employment and Entrepreneurship Skills as an independent course** at Academic Center for Education, Culture and Research, Ardabil branch.
23. Awarded with a certificate in **Introduction to life skills as an independent course** at Academic Center for Education, Culture and Research, Ardabil branch.
24. Presented a research achievement entitled "Magnetic Nanocomposite" at **The 19th Exhibition of Research, Technology and Market Achievements of The Country** (where the pavilion of the Iran University of Science and Technology (IUST) was selected by the organizers as one of the top pavilions among the research centers of the country).
25. **International day of physics organizer member** at the University of Guilan.
26. **Several years** of professional work in various **laboratories** at the undergraduate and graduate levels.
27. Participated in the **11th Kharazmi (Khwarizmi) Youth Festival** with a dual-purpose plan to convert sea water to distilled water and generate electricity from two different mechanisms at high in 2013.

Education

B. Sc. Sep 2013 — Jan 2017
 University of Guilan
Field: Solid State Physics.

M. Sc. Sep 2017 — Jun 2020
 Iran University of Science and Technology (IUST)
Field: Solid State Physics

M. Sc. Thesis: Design and manufacture of magnetic hybrid components based on biocompatible polymer matrices in magnetic fields under supervisions of Prof. Dr. Ali Maleki and Assist. Prof. Dr. Mohsen Babamoradi.

Ph. D. Dec 2022
 University of Zagreb
Field: Solid State Physics

Ph. D. Thesis: Electrical and magnetic properties of the transition metal phosphides under high pressure and in low temperature under supervision of Dr Yuki Utsumi Boucher.

Work experience

University of Guilan Sep 2013 — Sep 2017
 Research and Laboratory Assistant
 Laboratories (Department of Science):

1. Condensed Matter Laboratory (Vacuum Technique)
2. Chemical Vapor Deposition (CVD) Laboratory
3. New Energies Laboratory (Solar Cell & Photo thermal)

Head of the Lab:

Prof. Dr. Seyed Mohammad Rozati

Email: smrozati@guilan.ac.ir & smrozati@gmail.com

Tel: 0098-911-336-2596

Google Scholar Link: <https://scholar.google.com/citations?user=PwIULtoAAAAJ&hl=en&oi=ao>

Iran University of Science and Technology
(IUST)

Sep 2017 — Sep 2020

Research and Laboratory Assistant

Laboratory (Department of Chemistry):

Catalysts and Organic Synthesis Research Laboratory

Head of the Lab:

Prof. Dr. Ali Maleki

Email: maleki@iust.ac.ir

Tel: 0098-912-435-3528

Google Scholar Link: <https://scholar.google.com/citations?user=xNWCi3AAAAAJ&hl=en&oi=ao>

Institute of Physics, Zagreb

Dec 2021

Research and Laboratory Assistant

Assistant at the Laboratory for Physics of Transport Phenomena (LPTP)

Group for research of complex and strongly correlated functional materials

Supervisor:

Dr. Yuki Utsumi Boucher

Email: yutsumi@ifs.hr

Web Page: <http://www.ifs.hr/en/people/utsumi-yuki/>

Interests

Condensed matter physics

References

Web Page:

<http://www.ifs.hr/en/people/seyed-ashkan-moghadam-ziabari/>

Google Scholar Link:

<https://scholar.google.com/citations?user=dIYIpp8AAAAJ&hl=en&oi=sra>

Researchgate Link:

https://www.researchgate.net/profile/Seyed_Ashkan_Moghadam_Ziabari

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<https://www.linkedin.com/in/ashkan-moghadam-36b9a298>