

Curriculum Vitae

Raheleh Pourkaveh

Personal Information

Sex: Female
Date of Birth: 12/09/1988
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Education and Training

March 2018-October 2018

Researcher/ *Ruprecht-Karls-Universität Heidelberg* (Global rank #47) **Germany**,
Supervision: Prof. A. Stephen K. Hashmi.
Research topic: Gold-catalyzed Homogenous Organic Transformations/C-H Activation.

2014-2019

Ph.D. in Organic Chemistry

Department of Chemistry, **Sharif University of Technology**, Tehran, Iran.

- **Thesis title:** Synthesis and Application of Transition Metal Nano Catalysts in Regioselective Carbon-Carbon and Carbon-Heteroatom Bond Formation

2011-2013

M.Sc. in Organic Chemistry

Department of Chemistry, **Isfahan University of Technology**, Isfahan, Iran.

- **Thesis title:** Application of Dibenzylated nicotinium Palladium chloride in the Synthesis and Characterization of Suzuki, Suzuki-type, Amination, and Sulfidation Products (Grade 19.86 out of 20).

2007-2011

B.Sc. in Pure Chemistry

Department of Chemistry, **Isfahan University of Technology**, Isfahan, Iran.

Research Experience

- Working with air-sensitive compounds (Schlenk or glovebox techniques).
- Synthesis of heterogeneous catalyst.
- Synthesis of nanoparticles.
- High experience in regioselective C-H bond activation.
- Interpretation spectrum of **NMR**, Mass spectrometer, **UV-VIS**, Energy-dispersive X-ray spectroscopy (**EDX**), Scanning electron microscope (**SEM**), Transmission electron microscopy (**TEM**), X-ray diffraction (**XRD**), and IR.

- Good abilities in scientific search, tiding up and writing literatures for research including English documents.
- Strong knowledge and research experience in both heterogeneous and homogenous catalysis.
- Knowledge in organometallic chemistry (synthesis of ligand-metal complexes).
- Professional training of M.Sc. students.

Work Experience

2015-2016	Collaborate with the project of anti-blood cancer drug synthesis.
2014-2015	Teacher assistant in <i>Organic chemistry (I, II)</i> , <i>Organic chemistry laboratory (I, II)</i> , and <i>general chemistry laboratory</i> Department of chemistry, Sharif University of Technology, Tehran, Iran.
2012-2013	Teacher assistant in <i>Organic chemistry laboratory I</i> Department of Chemistry, Isfahan University of Technology, Isfahan, Iran

Publications

1. A. Ahrens, R. Pourkaveh, A. S. K. Hashmi, Advances in the chemistry of highly reactive phenyl cations via gold-catalysis, *manuscript in preparation*.
2. F.M. Moghaddam, R. Pourkaveh, Oxidative-Heck reaction as a tool for para-selective olefination of aniline: A DFT supported mechanism, *The Journal of Organic Chemistry*, 2017, 82, 10635-10640.
3. F.M. Moghaddam, R. Pourkaveh, *Asian Journal of Organic Chemistry*, 2018, 7, 802-809.
4. F.M. Moghaddam, R. Pourkaveh, *Applied Organometallic Chemistry*, 2018, 32, 4568.
5. A. R. Hajipour, R. Pourkaveh, *Applied Organometallic Chemistry*, 2014, 28, 879-883.
6. A. R. Hajipour, R. Pourkaveh, *synlett*, 2014, 25, 1101-1105.
7. F.M. Moghaddam, R. Pourkaveh, *Catalysis Communications*, 2017, 94, 33-37.
8. F.M. Moghaddam, R. Pourkaveh, *Catalysis Communications*, 2017, 102, 71-75.
9. F.M. Moghaddam, R. Pourkaveh, *ChemistrySelect*, 2018, 3, 2586-2593.
10. F.M. Moghaddam, R. Pourkaveh, *ChemistrySelect*, 2018, 3, 2053-2058.
11. F.M. Moghaddam, R. Pourkaveh, *ChemistrySelect*, 2019, 4, 9618-9621.

Honors and awards

- Ranked **4th** in Ph.D. entrance exam among 2318 participants.
- Selected as an **outstanding researcher** in the faculty of chemistry, Sharif University of Technology in 2017.
- Selected as a **superior presenter** in the occasion of research week, Sharif University of Technology, Tehran, Iran, 2018.

Languages

- Persian (native speakers)
- English (advanced) / Having English diploma from Iran language institute

Workshop & Symposium

- *Materials for Organic Electronics: Synthesis, Spectroscopy and Theory*, 2018, Heidelberg, **Germany**.
- *Methods of producing detergent products*, 2015, University of Applied Science and Technology, Golrang branch, Iran, Tehran.
- *Methods of producing cosmetic products*, 2015, University of Applied Science and Technology, Golrang branch, Iran, Tehran.
- High-performance liquid chromatography (**HPLC**), 2014, Isfahan University of Technology, Iran.
- Business Plan on Nanotechnology, 2014, Isfahan University of Technology, Iran, Isfahan.

Voluntary work

Editing and polishing papers in English.

References

Available per request.