

SHAHRZAD KAZEMI

Current location:

Denton, Texas, USA

E-mail:

shahrzadkazemi@my.unt.edu

EDUCATIONS

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|--------------|---|--------------|----------------------|
| • PhD | University of North Texas
<i>Organic Chemistry</i>
<i>Under Supervision of Dr. F. D'Souza</i> | Texas, USA | Jan 2018 - up to now |
| • MSc | University of Tehran (UT)
"1st Ranked University in Iran"
<i>Organic Chemistry</i>
<i>GPA 15.60 out of 20</i>
<i>Under Supervision of Dr. E. Kianmehr</i>
<i>Dissertation Grade: 19.93 out of 20 (A Degree)</i> | Tehran, Iran | Sep 2009 – Feb 2012 |
| • BSc | Karaj Azad University (KIAU)
<i>Applied Chemistry</i>
<i>GPA 15.07 out of 20</i> | Karaj, Iran | Sep 2003 – Jul 2007 |

AWARDS

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- Ranked among top 1% of about 30000 students, in national university entrance exam for MSc program in Sep 2009.

MASTER'S THESIS TITLE

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- Palladium-catalyzed oxidative coupling of indoles with aldehydes.

PUBLICATIONS

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- Ebrahim Kianmehr, Shahrzad Kazemi, Alireza Foroumadi; "palladium-catalyzed oxidative C–H bond coupling of indoles and benzaldehydes: a new approach to the synthesis of 3-benzoylindoles", *Tetrahedron, Volume 70, Issue 2, 14 January 2014, Pages 349-354* Link.

RESEARCH EXPERIENCES

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- Synthesis and study of BODIPY.
Light Energy Harvesting: Photoelectrochemistry and Photovoltaics (Mar 2018 at UNT).
 - Palladium-catalyzed oxidative cross-coupling between indoles and aldehydes (Mar 2011 at UT).
 - Palladium-catalyzed oxidative cross-coupling between pyridine N-oxides and indoles (Aug 2010 at UT): while it was being progressed, a same paper was published in organic letter journal.

WORK EXPERIENCES

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- Working as QC and R&D expert in Nik Azma Pars Alborz, an analytical and pharmaceutical research laboratory, at Alborz, Iran, (Since 21 Dec 2016 up to now).
 - Working as sales and marketing expert in Farayand Tose Polimer Company, producer of food packaging films at Tehran, Iran (16 Feb 2013 – 05 May 2013).

EDUCATIONAL EXPERIENCES

- Educational term in the R&D department of Fakhim Printing Ink Company at Tehran, Iran (20 Feb 2015 – 27 Feb 2015).
- Educational term in the R&D department of Tolypers Chemicals Company, a detergent manufacturer, at Tehran, Iran (23 Aug 2014 – 23 Sep 2014).
- Teaching experience as TA in organic chemistry for undergraduate students at UT (Fall 2011).

RESEARCH INTERESTS

- Light Energy Harvesting
- Organic and Organometallic Chemistry
- Cross Coupling Reactions
- Transition Metal-Catalyzed Reactions
- Catalysis and Synthesis
- Medicinal Chemistry
- Environmental Chemistry

LABORATORY SKILLS

- Experimental ability in synthesis, purification and identification of organic compounds.
- Experimental ability in formulation of pharmaceutical products.
- Purification methods (Column chromatography, Crystallization, TLC, Plate, ...).
- Identification methods (1H and 13C NMR, UV, IR, Mass spectroscopy, HPLC, KF ...).

TEST SCORES

TOEFL IBT: 90 12/09/2016	Speaking: 24	Reading: 23	Writing: 22	Listening: 21
GRE General: 299 01/23/2017	Quantitative: 154	Verbal: 142	Analytical Writing: 3	

COMPUTER SKILLS

General Softwares:	Microsoft Windows	Microsoft Office (Word, Excel, Power point)
Chemical Softwares:	ACDlabs	Chemoffice

EXTRACURRICULAR ACTIVITIES

Sport:	Swimming (Lifeguard swimmer)	Volleyball
Art:	Pop and Classical Singing	Painting