SHAHRZAD KAZEMI

Current location:

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EDUCATIONS

- **PhD**   **University of North Texas (UNT)**   Texas, USA   Jan 2018 - up to now
  Organic Chemistry
  Under Supervision of Dr. F. D'Souza

- **MSc**   **University of Tehran (UT)**   Tehran, Iran   Sep 2009 – Feb 2012
  Organic Chemistry
  Under Supervision of Dr. E. Kianmehr
  GPA 15.60 out of 20
  Dissertation Grade: 19.93 out of 20 (A Degree)

- **BSc**   **Karaj Azad University (KIAU)**   Alborz, Iran   Sep 2003 – Jul 2007
  Applied Chemistry
  GPA 15.07 out of 20

AWARDS

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

MASTER'S THESIS TITLE

- Palladium-catalyzed oxidative coupling of indoles with aldehydes.

PUBLICATIONS

- Ebrahim Kianmehr, Shahrzad Kazemi, AlirezaForoumadi; "palladium-catalyzed oxidative C–H bondcoupling 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

- Synthesis of NIR-II organic fluorophores for tissue imaging (since Mar 2018 at UNT up to now).
- Palladium-catalyzed oxidative cross-coupling between indoles and aldehydes (Mar 2011-Feb 2012 at UT).
- Palladium-catalyzed oxidative cross-coupling between pyridine N-oxides and indoles (Aug 2010-Mar 2011 at UT).

WORK EXPERIENCES

- Working as QC and R&D expert in Nik Azma Pars Alborz, an analytical and pharmaceutical research laboratory, at Alborz , Iran, (Dec 2016-Oct 2017).

OTHER EXPERIENCES

- Teaching experience as TA in organic chemistry at UT (Fall 2011).

RESEARCH INTERESTS

- NIR-II organic fluorophores synthesis for tissue imaging
- Catalysis and Synthesis
- Organic and Organometallic Chemistry
- Medicinal Chemistry
- Environmental Chemistry

LABORATORY SKILLS

- Synthesis, purification and identification of organic compounds.
- Formulation of pharmaceutical products.
- Purification methods (Column chromatography, Crystallization, TLC, Plate, …).
- Identification methods (^{1}H and ^{13}C 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 Classic Singing	Painting