

Curriculum Vitae



Mehdi Abaszadeh

Ph.D. Associate Professor of Organic Chemistry

Personal Information

Surname: Abaszadeh

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Gender: Male

Marital Status: Married

Date of Birth: 3th May, 1979

Place of Birth: Zarand, Kerman, Iran

Native Language: Persian

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Academic Background

B.Sc. In Pure Chemistry (Shahid Bahonar University of Kerman, Kerman, Iran. Jun 2003)

M.Sc. In Organic Chemistry (Tarbiat Moallem University of Tehran, Tehran, Iran. Sep 2005)

Ph.D. In Organic Chemistry (Shahid Bahonar University of Kerman, Kerman, Iran. Sep 2009)

Thesis

M.Sc. Thesis

Synthesis of New Bis-2-Naphthol-Sulfide Diamides Macrocyclic Compounds.

Ph.D. Thesis

A Simple and an Efficient Approach to the Synthesis of Substituted Pyridinone and 4-Hydroxy-2-Pyrone Derivatives by Condensation of (Chlorocarbonyl)phenyl ketene with Bisnucleophiles.

Honors and Awards

- 1) First Ranked and Top Graduated Student, (GPA=18.49 out of 20) *M.Sc.* Course. Tarbiat Moallem University of Tehran, Sep 2005.
- 2) First Ranked in *Ph.D.* Entrance Exam of Organic Chemistry. Shahid Bahonar University of Kerman, 2005.
- 3) First Ranked and Being Recognized as Well-Educated Student, (GPA=18.75 out of 20) *Ph.D.* Course. Shahid Bahonar University of Kerman, Sep 2009.

- 4) Award and Appreciation Letter for Being Chosen as the Elite Scholar. The 1st National Festival of Ali Akbar (P.U.H.), 2009.

Presentation in Conference

Iran Sheikhshoae, **Mehdi Abaszadeh** and Abdollah Sadeghi

Preparation and Theoretical Investigation of Electronic Properties of a Symmetry Schiff Base Ligands. (The 6th Seminar of Iranian Inorganic Chemistry, Ferdowsi University of Mashhad, Iran. 2001)

Courses Taught

- General and Organic Chemistry Laboratories
- General Chemistry Courses
- Organic Chemistry 1,2,3
- Synthesis in Organic Chemistry for B.Sc. and M.Sc. Courses
- Advanced Organic Chemistry
- Physical Organic Chemistry for B.Sc. and M.Sc. Courses
- Heterocyclic Chemistry for M.Sc. Courses
- Fundamental Organic Chemistry
- Methods of Spectroscopy in Organic Chemistry

Research Areas

- Synthesis of Organic Compounds
- Synthesis of Heterocyclic Compounds

List of Publications

25) *Journal of Sulfur Chemistry*. **2017, 38, 440.**

Mehdi Abaszadeh* and Mohammad Seifi

Crown ether complex cation ionic liquids: synthesis and catalytic applications for the synthesis of tetrahydro-4H-chromene and 1,4- dihydropyridine derivatives

24) *Iran. J. Chem. Chem. Eng.* **2017, 36, 35.**

Mehdi Abaszadeh* and Mohammad Seifi

KF/Al₂O₃: As a Solid Phase and Recyclable Basic Catalyst for Synthesis Mono and Bis Pyrimidine Derivatives

23) *ACTA CHEMICA IASI*, **2017, 25, 51.**

Mehdi Abaszadeh* and Mohammad Seifi

KF/Al₂O₃ as a recyclable basic catalyst for 1,3-dipolar cycloaddition reaction: Synthesis of indolizine-1-carbonitrile derivatives

22) *ACTA CHEMICA IASI*, **2017, 25, 38.**

Mehdi Abaszadeh* and Mohammad Seifi

Three-component synthesis of mono and bis 4,5-dihydropyrano[3,2-c]chromenes and 4,5-dihydropyrano[4,3-b]pyrans catalyzed by sodium benzenesulfonates as a green organocatalyst

21) *Biointerface Research in Applied Chemistry*, **2016, 6, 1733.**

Mehdi Abaszadeh* and Mohammad Seifi

Silica-supported sulfuric acid as heterogeneous, reusable and efficient catalyst for the multi-component synthesis of diethyl/methyl 1,3-diaryl-1,2,3,6-tetrahydropyrimidine-4,5-dicarboxylate derivatives under solvent free condition

20) *Comparative Clinical Pathology*, **2016, 25, 1197.**

Mohammad Hassan Moshafi, Farzad Doostishoar*, Alireza Jahanian, **Mehdi Abaszadeh**

Antimicrobial effects of new designed 2-amino-tetrahydro-4H-chromene-3-carbonitrile derivatives against some pathogenic microbial strains

19) *Bull. Chem. Soc. Ethiop*, **2016**, *30*, 253.

Mehdi Abaszadeh*, Mohammad Seifi and S. Yousef Ebrahimipour
Two Ligand Oxidio-Vanadium (IV) Complexes as Novel Efficient Catalysts in Multicomponent Reactions for Synthesis of Tetrahydrobenzopyran Derivatives

18) *Iranian Journal of Catalysis*, **2015**, *5*, 113.

Mehdi Abaszadeh*, Mohammad Seifi and Majid Ghashang
Multi-component preparation of diethyl/methyl 1,3-diaryl-1,2,3,6 tetrahydro pyrimidine-4,5-dicarboxylates using hydrated phosphomolybdic acid as an efficient catalyst.

17) *Letters in Organic Chemistry*, **2015**, *12*, 271.

Mehdi Abaszadeh* and Mohammad Seifi
Sodium Benzenesulfonates: Novel and Effective Organo Catalyst for Three Component synthesis 5,6,7,8-Tetrahydro-4H-chromene Derivatives Under Ultrasound Irradiation.

16) *Research on Chemical Intermediates*, **2016**, *42*, 3413.

Bagher Amirheidari, **Mehdi Abaszadeh*** and Mohammad Seifi
Evaluation of magnetically recyclable nano-Fe₃O₄ as a green catalyst for the synthesis of mono and bis tetrahydro-4H-chromene and mono and bis 1,4-dihydropyridine derivatives.

15) *Research on Chemical Intermediates*, **2015**, *41*, 5229.

Mehdi Abaszadeh*, Mohammad Seifi and Ali Asadipour
Ultrasound promotes one-pot synthesis of 1,4-dihydropyridine and imidazo[1,2-a]quinoline derivatives, catalyzed by ZnO nanoparticles.

14) *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, **2016**, *46*, 512.

Mehdi Abaszadeh*, Mohammad Seifi and Ali Asadipour
Nanosized MgO as a Heterogeneous Base Catalysts, Catalyses Multicomponent Reaction of Cyclic Enaminoketones, Malononitrile and Aromatic Aldehydes.

13) *Organic & Biomolecular Chemistry*, **2014**, *12*, 7859.

Mehdi Abaszadeh* and Mohammad Seifi
Ultrasound-assisted 1,3-dipolar cycloaddition and cyclopropanation reactions for the synthesis of bis-indolizine and bis-cyclopropane derivatives.

12) *Research on Chemical Intermediates*, **2015**, *41*, 7715.

Mehdi Abaszadeh* and Mohammad Seifi
Crown ether complex cation ionic liquids (CECILs) as environmentally benign catalysts for three-component synthesis of 4,5-dihydropyrano[3,2-c]chromene and 4,5-dihydropyrano[4,3-b]pyran derivatives.

11) *Polyhedron*, **2014**, *79*, 138.

S. Yousef Ebrahimipour*, **Mehdi Abaszadeh**, Jesús Castro, Mohammad Seifi
Synthesis, X-ray crystal structure, DFT calculation and catalytic activity of two new oxido-vanadium(V) complexes containing ONO tridentate Schiff bases.

10) *Open Journal of Organic Chemistry*, **2014**, *2*, 45.

Mehdi Abaszadeh*, Mohammad Seifi and Amin Mehrabian
Sodium Hypochlorite (NaOCl) Catalyzed Multicomponent Reaction for the Synthesis of 1,4-Dihydropyridine Derivatives.

9) *Journal of Applied Chemistry*, **2014**, *2*, 132.

Mehdi Abaszadeh* and Mohammad Seifi
Synthesis of Schiff and Mannich bases of isatin derivatives and isatin hydrazones using ultrasonic irradiation in the presence of PEG-SO₃H.

8) *Journal of Applied Chemistry*, **2014**, *2*, 128.

Mehdi Abaszadeh* and Mohammad Seifi
β-Cyclodextrin catalyzed synthesis of 2-oxoindolin-3-ylidene malononitril derivatives in water.

7) *J IRAN CHEM SOC*, **2013**, *10*, 237.

Vajihe Nejadshafiee, **Mehdi Abaszadeh**, Kazem Saidi and Mehdi Pourkhosravani
A one-pot reaction of (chlorocarbonyl)phenyl ketene with β-ketoamides and thiochromen-2-one.

6) *Bull. Korean Chem. Soc.* **2011**, *32*, 1.

Vajihe Nejadshafiee, Kazem Saidi and **Mehdi Abaszadeh**
Synthesis of Isoxazolone Derivatives from (Chlorocarbonyl)phenyl Ketene with Benzhydroxamic Acids.

5) *Aust. J. Chem.* **2010**, 63, 92.

Mehdi Abaszadeh, Hassan Sheibani and Kazem Saidi

The Condensation of (Chlorocarbonyl)phenyl Ketene with Bisnucleophiles.

Synthesis of 4-Hydroxy-5-phenylpyro-[2,3-*c*]pyrazol-6-ones and Formation of Pyrazolo[1,2-*a*]pyrazole-triones by Hydrogen Exchange in Unstable Mesoionic Compounds.

4) *J. Heterocyclic Chem.* **2009**, 46, 96.

Mehdi Abaszadeh, Hassan Sheibani and Kazem Saidi

The Reaction of (Chlorocarbonyl)phenyl Ketene with Enaminones: A Novel

Synthesis of Some 5-Acyl-4-hydroxy-2-(1*H*)-pyridinones and 7-Hydroxy-5-oxo-1,4-diazepin Derivative.

3) *Z. Phys. Chem.* **2009**, 223, 999

Seyed Mohammad Ali Hosseini, Maryam Salari, Mehdi Ghasemi and **Mehdi Abaszadeh**

Enaminone Compounds as Corrosion Inhibitors for Austenitic Stainless Steel in Sulphuric Acid Solution.

2) *ARKIVOC*. **2008**, xii, 262.

Mehdi Abaszadeh, Hassan Sheibani, Kazem Saidi and Rooholla Moordini

The condensation of (chlorocarbonyl)phenyl ketene with 1,3-dinucleophiles. I.

Synthesis of 4-hydroxy-2-(1*H*)-pyridinones and mesoionic 1,3-oxazinium olates.

1) *J Incl Phenom Macrocycl Chem.* **2008**, 61, 153.

Abbas Shokravi, Mojtaba Shamsipur, Hanif Fattahi, Mehdi Taghdiri, Davood Heidaryan, Kamal Alizadeh, Esmail Rostami, **Mehdi Abaszadeh**, Ali Yousefi

Efficient synthesis and metal cations complexation of some novel dinaphthosulfide-substituted macrocyclic diamides.