

Curriculum Vitae

Name: Abdolreza, Hassanzadeh

Place & Date of Birth: 25.March.1971, Gerash, Fars Province, Iran

Nationality: Iranian

Tel: +98-034-33122393

E-mail:

a_hassanzadeh : @kmu.ac.ir

ali_gerashi : @yahoo.com



Scopus h-index:4

Scopus Author ID: 22940582900

ORCID Author ID: 0000-0002-2247-0113

ResearcherID: R-7264-2018

Work Address:

Department of Medicinal Chemistry, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

Tel: +98 34-31325021

Fax: +98 34-31325003

Research field:

Medicinal Chemistry

Education:

- Ph. D., Medicinal Chemistry 2002-2006
The University of Manchester, UK.
- Pham. D. 2000-2006
Kerman University of Medical Sciences, Kerman, Iran.
- Diploma 1995-1999
Shahid Jafari's High School, Gerash, Fars province, Iran.

Positions:

- Dean of Medicinal Chemistry Department (2011-present)
- Lecturer, Assistant Professor, Kerman University of Medical Sciences (2006-present)
- Chief of Thesis Office (2010-2016)

Societies Memberships:

- Iranian Medical Council (2000 to present)
- Students Research Committee, Kerman University of Medical Sciences (2007)
- Research Committee for Force Major Events, Kerman University of Medical Sciences (2006-2007)
- Cambridge Structural Database System (2004-2006)

Ph. D. Thesis:

2006 Towards erythromycins without side effects: structural studies and biological properties of erythromycin derivatives

Pharm. D. Thesis:

1997 Synthesis and antifungal activity evaluation of some new 2-sulfonyl-5-sulfinyl (sulfonyl)-1,3,4-thiadiazole derivatives

Academic skills:

- NMR spectroscopy
- QSAR Studies

Thesis advisor: (only, title of thesis)

- Study of properties of multiple sclerosis (M.S) drugs and their interaction with carbon nanotubes
-

Thesis Supervisors: (only, title of thesis)

- The study of the effect of deuterium on the growth of *Aspergillus fumigatus* and *Candida albicans*
- Synthesis and antimicrobial evaluation of new 4-H-chromene derivatives
- The study of the effects of deuterium depleted water (DDW) and heavy water (HW) alone or in combinations with arsenic trioxide, doxorubicin, celecoxib and indomethacin on the cytotoxicity, apoptosis, MAPKs pathways and COX-2 pathway in the Hep - G2 and A549 cell lines
- Quantitative structure-antitubercular activity relationship study of thiosemicarbazone derivatives by artificial neural network method
- synthesis of novel 2-[5-(5-nitro-thiophen-2-yl)-[1,3,4]thiadiazol-2-ylthio]-1-piperazin-4-aryl

substituted ethanone derivatives as potential antituberculosis agents

- Synthesis of novel 5 - (5 - Nitrofuranyl / 5 - Nitrothiophenyl) - 1, 3, 4 - Thiadiazole as potential antimicrobial compounds
- Knoevenagel synthesis and assignment of novel benzylidene ethylcyano acetate derivatives with potential photoprotective activity
- An *in vitro* study of the anti acetylcholinesterase and antioxidant activities of the essential oil and the major fractions from Ethanolic extract of *Salvia rhytidifolia* Benth
- Synthesis of some thiazole hydrazine and thiazole acetamide derivatives as potentially antimicrobial agents
- The evaluation of co-operation of tuberculosis infected patients in regard to the use of isoniazid, rifampin & pyrazinamide in Kerman

Attendance in Congress:

1. The first symposium on: " The biological effects of deuterium depleted water: a new Insight into the area of treatment ", 5 May 2011, School of Pharmacy, Kerman, Iran.
2. 11th Iranian Pharmaceutical Sciences Conference (August 18-21, 2008, Kerman, Iran)
3. 9th Iranian Congress of Microbiology (March 5–7, 2008, Kerman, Iran)
4. Continuing Professional Development- Better NHS Trial Conference (March 6-7, 2006, Manchester, UK)
5. Intellectual Property and Communication- Good Practice Training Series (23rd Jun. 2006, Manchester, UK)
6. The 10th RSC-SCI Joint Meeting on Heterocyclic Chemistry (June 9-12, 2006, Harrogate, UK)

Oral Presentation in Congress:

1. Synthesis and evaluation of acid / base stability of erythromycin A 2'-acetate. 11th Iranian Pharmaceutical Sciences Conference (IPSC 2008), 18-21 Aug. 2008, Kerman, Iran.
2. Ribosome Activity Measurements and the Effect of Protein Synthesis Inhibitors in a Cell-Free Protein-Synthesizing System. 11th Iranian Pharmaceutical Sciences Conference (IPSC 2008), 18-21 Aug. 2008, Kerman, Iran.
3. Heavy Drugs. The first symposium on: " The biological effects of deuterium depleted water: a new Insight into the area of treatment ", 5 May 2011, School of Pharmacy, Kerman, Iran.
4. Erythromycins: a comparison of the properties of erythromycins A and B 2'-ethyl succinates. The 13th Multi-disciplinary Iranian Researchers Conference in Europe, 2- 3 Jul. 2005, Leeds University, UK.

5. Could children ever feel happy when taking erythromycin? The 12th Iranian Researchers Conference in Europe, 3- 4 Jul. 2004, Manchester University & UMIST, UK.

Publications:

Books:

Articles:

1. Foroumadi A, Emami S, **Hassanzadeh A**, Rajaei M, Sokhanvar K, Moshafi MH, Shafiee A, Synthesis and antibacterial activity of N-(5-benzylthio-1,3,4-thiadiazol-2-yl) and N-(5-benzylsulfonyl-1,3,4-thiadiazol-2-yl)piperazinyl quinolone derivatives, *Bioorg Med Chem Lett*. 2005;15(20):4488-92.
2. **Hassanzadeh A**, Helliwell M, Barber J, Determination of the stereochemistry of anhydroerythromycin A, the principal degradation product of the antibiotic erythromycin A, *Org Biomol Chem*. 2006;4(6):1014-9.
3. **Hassanzadeh A**, Gorry PA, Morris GA, Barber J, Pediatric erythromycins: a comparison of the properties of erythromycins A and B 2'-ethyl succinates, *J Med Chem*. 2006;49(21):6334-42.
4. **Hassanzadeh A**, Barber J, Morris GA, Gorry PA, Mechanism for the degradation of erythromycin A and erythromycin A 2'-ethyl succinate in acidic aqueous solution, *J Phys Chem A*. 2007;111(40):10098-104.
5. Tyson P, **Hassanzadeh A**, Mordi M N, Allison D A, Marquez V and Barber J, Erythromycin B: conformational analysis and antibacterial activity, *Med Chem Commun*. 2011;2:331-336.
6. Mehrabani M, Sharififar F, **Hassanzadeh A**, Jalili L and Assadi-Khanuki A, Anticholinesterase and antioxidant activity of the essential oil and different fractions of *Salvia rhytidea* Benth., *Inventi Impact: Ethnopharmacology*. 2013;2:1-5.
7. Bhadra PK, **Hassanzadeh A**, Arsic B, Allison D G, Gareth A. Morris GA and Barber J, Enhancement of the properties of a drug by mono-deuteration: reduction of acid-catalysed formation of a gut-motilide enol ether from 8-deuterio-erythromycin B. *Org. Biomol. Chem*. 2016, 14, 6289-6296.
8. Pourshojaei Y, Nikzad M, Eskandari K, Darijani MN, **Hassanzadeh A**, Faghih-Mirzaei E and Asadipour A. Ultrasound-assisted and Efficient Knoevenagel Condensation Reaction Catalyzed by Silica Sodium Carbonate Nanoparticles. *Croat Chem Acta*. 2018;91(1):19-28.
9. **Hassanzadeh A**, Mandegari A, Sharif E, Rokhsana R, Mohammadnejad R, Masoumi-Ardekani Y. Cyclooxygenase inhibitors combined with deuterium-enriched water augment cytotoxicity in A549 lung cancer cell line via activation of apoptosis and MAPK pathways. *Iran J Basic Med Sci*. 2018;21:1-9.

Workshops:

Teaching Experiences:

1. Medicinal Chemistry I, II

2. Organic Chemistry I, II
3. Instrumental Analysis
4. General Chemistry

in the Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

Awards & honors:



Interests:

- Deuteriated compounds and their biological activity
- The effect of deuterium depleted / enriched water on cell lines

References:

