

Curriculum Vitae

Dr Bagher Amir-Heidari, PharmD., PhD.

Personal Information

Surname: **Amir-Heidari**
Forename: **Bagher**
Gender: Male
Marital Status: Married
Nationality: Iranian
Languages: Farsi (Main), English
Date and Place of Birth: 24-09-1967, Jiroft, Iran.

Contact details

Address: Dr B. Amir-Heidari, Faculty of Pharmacy, Haft-Bagh High-Way,
Kerman, Iran, Post Code 76169-13555, P O Box: 76175-493
Tel: +98 (341) 3205001-02
Fax: +98 (341) 3205003
Email: b_amirheidari@kmu.ac.ir

Current Position

Assistant Professor and Dean, Faculty of Pharmacy, Haft-Bagh High-Way,
Kerman, Iran 2009-Present

Qualifications

- **PhD** in Biotechnology, the University of Manchester, Manchester, UK. (2007)
Research Project: [Calcium-Dependent Antibiotics from *Streptomyces coelicolor*; Directed Biosynthesis and Mechanistic Studies]
- **PharmD**, Kerman University of Medical Sciences, Kerman, Iran. (1994)
Research Project: [Phytochemistry of the medicinal herb *Teucrium polium*]

Awards and Achievements

- **Outstanding Researcher**, Kerman University of Medical Sciences, Kerman, Iran. (2008)
- **Runner-up**, Final-Year PhD Symposium, the University of Manchester, Manchester, UK. (2006)
- **PhD Scholarship**, Ministry of Health and Medical Education, I. R. Iran. (2000)

Training and Workshops

- **Personal Knowledge Management**, Bonyad Shahid, Kerman, Iran (2008)
- **Lesson Plan**, Kerman University of Medical Sciences, Kerman, Iran (2008)
- **Research Methodology** (Workshop), Kerman University of Medical Sciences, Kerman, Iran. (2008)
- **Teaching in Higher Education** (Workshop), the University of Manchester, Manchester, UK. (2007)
- **Scientific Writing**, UMIST, Manchester, UK. (2004)
- **Introduction to Research**, UMIST, Manchester, UK. (2003)
- **MSc Taught Courses in Biotechnology**, UMIST, Manchester, UK. (2002)
- **Basic Management**, Management Training Centre, Kerman, Iran. (1997)
- **Pharmaceutical Industry**, Daroupakhsh Pharm. Co., Tehran, Iran. (1993)

Research Interests

- Isolation and identification of antibiotic-producing bacteria from Iranian soil
- Isotope-labeling of amino acids as probes for studying biochemical pathways
- Precursor-Directed Biosynthesis (PDB) of microbial secondary metabolites
- Down-stream processing of microbial natural products
- Plant cell culture and Purification and application of herbal natural products
- Studying biochemical pathways of microbial secondary metabolites
- Immobilization of bacterial cells for continuous culture

Work Experience

Teaching

- **Cell and Tissue Culture** for Pharmacy students 2009 - present
- **Biotechnology** for Pharmacy students, 2008 – present
- **Biological products** for Pharmacy students, 2008 – present
- **Biotechnology** for PhD students of Parasitology, 2008 – present
- **Pharmacognosy** (terpenoids and steroids)) for Pharmacy students, 2008 - 2009
- **Pharmacy practice** (cardiovascular drugs) for Pharmacy students, 2008 – present
- **Learning Styles Workshop**, Faculty of Pharmacy, Kerman, Iran, 2009

Public Sector

- Dean, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran. (2009-present)
- Chairman, 15th Seminar of Iranian Pharmacy Students, Kerman, Iran. (Nov 2010)
- Head, Teaching Evaluation Office, EDC, Kerman University of Medical Sciences, Kerman, Iran. (2008 - 2009)
- Executive Secretary, 11th Iranian Pharmaceutical Sciences Conference (IPSC2008), Kerman, Iran, Aug 18-21, 2008.
- Assistant professor of Biotechnology, Faculty of Pharmacy, Kerman, Iran. 2008 - Present

- Chair of Scientific Committee, Iranian Islamic Students' Association in the UK and Ireland (ISA-UK). (2003-2004)
- Manager of No 1 Teaching Pharmacy, Kerman University of Medical Sciences, Kerman, Iran. (2001-2002)
- Manager of Food and Drug Administration, Kerman University of Medical Sciences, Kerman, Iran. (1999-2001)
- Vice Manager, Insurance Organization for Medical Services, Kerman, Iran. (1996-1999)

Private Sector

- Founder, Dr Amir-Heidari Pharmacy, Kerman, Iran. (2000-2002)
- Secretary, Kerman Pharmaceutical Association, Kerman, Iran. (1999-2001)
- Founder, Dr Amir-Heidari Pharmacy, Ekhtyarabad, Kerman, Iran. (1996-1998)
- Pharmacist, Ardjomand Hospital, Kerman, Iran. (1994-1996)

Memberships

- Iran Pharmaceutical Association
- IRI-Medical Council, Membership Number: D-4794

Publications

- **Amir-Heidari, B.**, Thirlway, J., Micklefield J. "Directed Biosynthesis of Lipopeptide Antibiotics Containing Tryptophan Analogues", *Organic and Biomolecular Chemistry*, **2008**, 6(6), 975-978. (Featuring on the [Front Cover](#))
- Powell, A., Borg, M., **Amir-Heidari, B.**, Neary, J. M., Thirlway, J., Wilkinson, B., Smith, C. P., Micklefield, J. "Engineered Biosynthesis of Nonribosomal Lipopeptide Antibiotics with Modified Fatty Acid Side Chains" *Journal of the American Chemical Society*, **2007**, 129(49), 15182-15191
- **Amir-Heidari, B.**, Micklefield, J. "NMR Confirmation that Tryptophan Dehydrogenation Occurs with *Syn* Stereochemistry During the Biosynthesis of CDA in *Streptomyces coelicolor*", *The Journal of Organic Chemistry*, **2007**, 72(23), 8950-8953
- **Amir-Heidari, B.**, Thirlway, J., Micklefield, J. "Stereochemical Course of Tryptophan Dehydrogenation during Biosynthesis of the Calcium-Dependent Lipopeptide Antibiotics", *Organic Letters*, **2007**, 9(8), 1513-1516.

Conference abstracts and Lectures

- Amir-Heidari, B.: Precursor-Directed Biosynthesis, **the 15th Seminar of Iranian Pharmacy Students (SIPS2010)**, October 13-15, **2010**, Kerman, Iran.
- Amir-Heidari, B., Mandegari Bamakan, A., Moshafi, M. H. And Mazlum-Fazel, S.: Functional and Molecular Screening of CDA-Producing Streptomyces from Jiroft Soil, the 12th **Iranian Pharmaceutical Sciences Conference (IPSC2010)**, 2010, Zanjan, Iran.

- **Amir-Heidari, B.** and Micklefield, J.: *Calcium-Dependent Antibiotics; Directed Biosynthesis and Mechanistic Studies*, the 11th Iranian Pharmaceutical Sciences Conference (IPSC2008), Aug 18-21, 2008, Kerman, Iran.
- **Amir-Heidari, B.** and Micklefield, J.: *Stable Isotope Labeling of Amino Acids as a Probe for Biomechanistic Studies*, the 11th Iranian Pharmaceutical Sciences Conference (IPSC2008), Aug 18-21, 2008, Kerman, Iran.
- **Amir-Heidari, B.;** *Precursor-Directed Biosynthesis of non-ribosomal Peptides*, the 11th Iranian Pharmaceutical Sciences Conference (IPSC2008), Aug 18-21, 2008, Kerman, Iran.
- **Amir-Heidari, B.** and Micklefield, J.: *Biosynthetic Studies on Calcium Dependent Antibiotics*, The Iranian Researchers conference in Europe (IRCE2006), 2006, Leeds, UK.
- **Amir-Heidari, B.** and Micklefield, J.: *Engineered Biosynthesis of Calcium-Dependent Antibiotics from Streptomyces coelicolor*, The Iranian Researchers conference in Europe (IRCE2004), Manchester, UK. 2004
- **Amir-Heidari, B.;** Heidari, M.R.; Rezvani, H.; and Karimi, T.: *The Analgesic Effect of Lavandula officinalis and Histopathological Studies in Mice*, 4th Xenobiotic Metabolism and Toxicity Workshop of Balkan Countries, Antalya, Turkey. 2000
- Heidari, M.R.; Karimian, Z.H.; and **Amir-Heidari, B.:** *The Analgesic Effect of the Methanolic Extract of Anacardium occidentale by Tail-Flick and Formalin Test in Mice*, 4th Xenobiotic Metabolism and Toxicity Workshop of Balkan Countries, Antalya, Turkey. 2000

Reference

- Professor Jason Micklefield, Manchester Interdisciplinary Biocentre (MIB), 131 Princess Street, Manchester M1 7DN, UK.
- Dr Abbas Pardakhti, Associate Professor of Pharmaceutics, Kerman Faculty of Pharmacy, Haft-Bagh Blvd., Kerman 76169-13555, Iran

Hobbies and Interests

- Swimming, volley-ball, hiking, sightseeing, and watching documentaries on TV