MARJAN KHADEMI ZADEH

CLINICAL BIOCHEMISTRY | RESEARCH | ACADEMIC TEACHING

Isfahan University of Medical Sciences

PROFESSIONAL PROFILE

Clinical biochemistry professional with academic training in nutritional sciences and clinical biochemistry, experience in university-level teaching, and research experience in bioequivalence assessment and biochemical analysis. Skilled in HPLC-based drug quantification in human plasma samples, with a record of scientific publications, conference presentations, and book authorship and translation in biochemistry and related biomedical fields.

EDUCATION

- Ph.D. in Clinical Biochemistry — School of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences
- M.Sc. in Clinical Biochemistry — School of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences
- B.Sc. in Nutritional Sciences — School of Health and Nutrition, Isfahan University of Medical Sciences

ACADEMIC AND TEACHING EXPERIENCE

- Adjunct Instructor, Payame Noor University, Shahrekord Center — Taught Biochemistry and Biochemistry Laboratory courses during the first and second semesters of the 1985–1986 academic year (7 credits in total; date as stated in the source CV and should be verified).

RESEARCH EXPERIENCE

- Bioequivalence study of domestically produced ciprofloxacin tablets (2006): Determined ciprofloxacin plasma concentrations in 500 human samples using high-performance liquid chromatography (HPLC). Conducted under the supervision of Dr. Jaber Emami, Professor, School of Pharmacy, Isfahan University of Medical Sciences.
- Bioequivalence study of domestically produced clarithromycin tablets (2004–2005): Assessed plasma concentrations in 500 human samples using HPLC. Conducted under the supervision of Dr. Seyed Abolfazl Mostafavi, Associate Professor, Department of Pharmaceutics, School of Pharmacy, Isfahan University of Medical Sciences.

SELECTED JOURNAL PUBLICATIONS

- “Differentiation of adult human mesenchymal stem cells into dopaminergic neurons.” Research in Pharmaceutical Sciences (RPS), 2019.
- “Antioxidant and Anti-atherogenic Effects of the Amino Acid Isoleucine on the Coronary Artery Walls of Hypercholesterolemic Rabbits.” Journal of Rafsanjan University of Medical Sciences, 8(1), Spring 2009.
- “Antioxidant and Anti-atherogenic Effects of the Amino Acid Valine on the Coronary Artery Walls of Hypercholesterolemic Animals.” Armaghan-e-Danesh, 13(2), Summer 2008.

BOOKS: AUTHORSHIP AND TRANSLATION

- A Review of Postgraduate Entrance Examinations in Medical Sciences: Biochemistry (2007).
- Biochemistry Laboratory, prepared for dentistry, nursing, and midwifery students, Islamic Azad University, Khorasgan Branch, Isfahan (2010; second edition, 2012).
- Principles of Immunochemical Techniques, a translation of Tietz Clinical Chemistry (2010).
- Peroxisomes and Peroxisomal Disorders (2011).
- A Review of Dopamine (2013).

CONFERENCE PRESENTATIONS

- “Anti-fatty streaks effect of tryptophan in cholesterol-fed rabbits.” 10th Iranian Congress of Biochemistry and 3rd International Congress of Biochemistry and Molecular Biology, University of Tehran, November 2009.

- “Investigation of the Protective Effect of Selected Hydrophobic Amino Acids Against Oxidative Reactions.” 9th Research Week, Department of Biology, University of Isfahan, February 24, 2007.
- “Investigation of the anti-atherogenic effect of the amino acid phenylalanine on the coronary artery walls of hypercholesterolemic animals.” 7th National Congress of Biochemistry of Iran, Ahvaz University of Medical Sciences, February 1, 2004.
- “Investigation of the protective effect of selected hydrophobic amino acids against oxidative reactions.” 7th National Congress of Biochemistry of Iran, Ahvaz University of Medical Sciences, February 1, 2004.

HONORS AND ACADEMIC ACHIEVEMENTS

- Ranked among the top students during the M.Sc. program.
- Ranked 4th in the 2010 (1389) Ph.D. entrance examination administered by the Ministry of Health, in Clinical Biochemistry.

PROFESSIONAL DEVELOPMENT

- Introductory Teaching Methods Workshop, Center for Studies and Development of Medical Education, Isfahan University of Medical Sciences, March 8–9, 2015.
- 13th Iranian Pharmaceutical Sciences Congress, Isfahan University of Medical Sciences, September 2012 (certificate of participation).
- 12th Biochemistry Congress and 4th International Congress of Biochemistry and Molecular Biology, Mashhad, September 2011 (certificate of participation).
- Workshop on Ultra-Performance Liquid Chromatography (UPLC), organized in collaboration with Behan Chemical Company, School of Pharmacy, Isfahan University of Medical Sciences, January 18, 2011.
- Seminar on the Application of Bioinformatics in Pharmaceutical Sciences, Bioinformatics Research Center, School of Pharmacy, Isfahan University of Medical Sciences, February 24, 2011.
- Course in Introduction to Article Writing and Scientific Writing Conventions, Entrepreneurship Center, University of Isfahan, May 30, 2011.
- In-service training course in Basic Concepts of Information Technology, School of Pharmacy, Isfahan University of Medical Sciences, April 6, 2005.