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Title: Professor of Pharmaceutical Biology

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Educational Background

PharmD: School of Pharmacy, Tabriz University of Medical Sciences, Iran, 1999

Research Fellow: Ottawa Health Research Institute, University of Ottawa, Ottawa, ON, Canada, 2004-2005

PhD: School of Pharmacy, Tabriz University of Medical Sciences, Iran, 2006

Position held:

2006-2012: Assistant Professor of Pharmaceutical Microbiology, School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

2012-2016: Associate Professor of Pharmaceutical Microbiology, School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

2016- present: Professor of Pharmaceutical Microbiology, School of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

Teaching experience

Microbial Quality Control of Pharmaceutical Products

Quality Control of Biopharmaceuticals

Principle of GMP: Microbial aspects

Research interests:

Isolation and characterization of natural antimicrobial peptides from bacteria
Development of novel drug delivery systems for drug and gene delivery purposes
Development of novel microbial quality control methods for Pharmaceutical Products
Bioassay of antibiotics, antifungal and vitamins
Evaluation of the bioactivity of herbal and natural products
Probiotics coating for therapeutic applications

Selected publications:

The Application of Nanomaterials in Cardiovascular Diseases: A Review on Drugs and Devices

SM Dizaj, AA Rad, N Safaei, S Salatin, E Ahmadian, S Sharifi, SZ Vahed, F Lotfipour (2019) Journal of Pharmacy & Pharmaceutical Sciences 22, 501-515

Antimicrobial activity of the metals and metal oxide nanoparticles

SM Dizaj, F Lotfipour, M Barzegar-Jalali, MH Zarrintan, K Adibkia (2014) Materials Science and Engineering: C 44, 278-284

Natural antimicrobial peptides from bacteria: characteristics and potential applications to fight against antibiotic resistance

M Hassan, M Kjos, IF Nes, DB Diep, F Lotfipour (2012) Journal of applied microbiology 113 (4), 723-736

Calcium carbonate nanoparticles as cancer drug delivery system

S Maleki Dizaj, M Barzegar-Jalali, MH Zarrintan, K Adibkia, F Lotfipour (2015) Expert opinion on drug delivery 12 (10), 1649-1660

Gelatin-based delivery systems for cancer gene therapy

SH Nezhadi, PFM Choong, F Lotfipour, CR Dass (2009) Journal of drug targeting 17 (10), 731-738

Modulating furin activity with designed mini-PDX peptides: synthesis and in vitro kinetic evaluation

A Basak, F Lotfipour (2005) FEBS letters 579 (21), 4813-4821

Nanostructured lipid carriers loaded with Melaleuca alternifolia Oil preparation, physicochemical assessment, and evaluation of antimicrobial effects against Staphylococcus ...

F Lotfipour, H Hamishehkar, M Mohammadi, S Shahi, S Salatin, (2021)
International Journal of Nano Dimension 12 (1), 52-58

Combination of solvent extraction with deep eutectic solvent based dispersive liquid-liquid microextraction for the analysis of aflatoxin M₁ in cheese samples using ...

M Masrouri, MR Afshar Mogaddam, MA Farajzadeh, M Nemati, F Lotfipour (2021)
Journal of Separation Science 44 (7), 1501-1509

Application of a modified lighter than water organic solvent-based air-assisted liquid-liquid microextraction method for the efficient extraction of aflatoxin M₁ in ...

MRA Mogaddam, M Derakhshani, MA Farajzadeh, M Nemati, F Lotfipour (2020)
International Journal of Environmental Analytical Chemistry, 1-13

Book Chapter:

Farzaneh Lotfipour and Somayeh Hallaj-Nezhadi, Microbial Quality Concerns for Biopharmaceuticals in: "Latest Research into Quality Control 2", InTech Open Access Publisher, ISBN 980-953-307-504-9, 2. **2012**

Maryam Hassan, Morten Kjos, Ingolf F. Nes, Dzung B. Diep, and Farzaneh Lotfipour, AMPs from Prokaryotes in: "Novel Antimicrobial Agents and Strategies" Wiley-VCH, first published:14 November **2014**, Print ISBN:9783527336388 |Online ISBN:9783527676132 DOI:10.1002/9783527676132

Solmaz Maleki Dizaj, hadi Yaqoubi, Khosro Adibkia and **Farzaneh Lotfipour**, Nanotechnology in the agri-food industry (Muti-Volume SET I-X), Volume III: Emulsions, 1st Edition, ISBN: 9780128043066, ELSEVIER (Academic Press), Cambridge, USA, **2017**.