

Curriculum Vitae
Parastoo Tarighi

Contact information:

E.mail: tarighi.p@iums.ac.ir

Tel: 021-86704736

Address: Department of Medical Biotechnology, Faculty of Allied Medicine. Iran University of Medical Sciences.

Academic Rank:

Assistant Professor, Department of Medical Biotechnology, Faculty of Allied Medicine, Iran University of Medical Sciences

Education

B.Sc. in Microbiology, School of Sciences, Tehran University, Tehran, IRAN, 1996-2000

M.Sc. in Microbiology, School of Sciences, Islamic Azad University, North Tehran Branch, Tehran, IRAN, 2002-2004

Ph.D. in Medical Biotechnology, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences, 2008-2014

Honors and Awards

Ranked first among Ph.D. graduates of medical biotechnology, 2008 Entry (achieving the highest cumulative GPA); School of Advanced Technologies in Medicine. Tehran University of Medical Sciences.

Publications

1. Samadi N., **Tarighi P.**, Fazeli M.R. Mehrgan H. Evaluation of antimicrobial effectiveness of ophthalmic drops according to the pharmacopeial tests criteria. DARU. 2009;17(1): 13-18

2. **Tarighi P.**, khorramizadeh M.R., Madadkar Sobhani A., Madadkar Sobhani, Ostad S.N. Ghahremani M.H. Growth inhibition of MDA-MB-231 cell line by peptide designed based on uPA. Acta Medica Iranica 2015; 53(7):403-407.

3. **Tarighi P.**, Montazeri H. Mohammad Reza Khorramizadeh M.R. madadkar Sobhani A. Ostad S.N., Ghahremani M.H. uPAR peptide antagonist alters regulation of MAP kinases and Bcl-2 family members in favor of apoptosis in MDA-MB-231 cell line. Research in Pharmaceutical Sciences, 2015; 10(3): 200-205

4. Sobhani H., **Tarighi P.**, Ostad S.N., Shafaati A. Nafissi-Varcheh N., Aboofazeli R. Formulation Development and Toxicity Assessment of Triacetin Mediated Nanoemulsions as Novel Delivery Systems for Rapamycin. Iranian Journal of Pharmaceutical Research. 2015;14 3-21

Congress Participation

Samadi N., Fazeli M.R., **Tarighi P.**, Mehrgan H. The validity of pharmacopeial antimicrobial effectiveness test criteria in ophthalmic drops. 2005. Poster. Nelson Mandela Metropolitan University

Course Teaching

Ph.D.

1. Animal cell culture, Ph.D. Tissue Engineering program. Faculty of advanced Technologies in Medicine. Iran University of Medical Sciences.

2. Animal Cell culture, Ph.D. Applied Cell Sciences. Faculty of Advanced Technologies in Medicine. . Iran University of Medical Sciences.
3. Biotechnology, Ph.D. Reproduction Biology. Faculty of Medicine. Iran University of Medical Sciences.
4. Optimization of PCR, RT-PCR & Real Time PCR; Advanced Molecular Biology. Faculty of Medicine. Iran University of Medical Sciences.

M.Sc.

1. Animal cell culture, M.Sc. Medical Biotechnology program. Faculty of Allied Medicine. Iran University of Medical Sciences.
2. Genetic Engineering, M.Sc. Medical Biotechnology program. Faculty of Allied Medicine. Iran University of Medical Sciences.
3. Genetics of Bacteria, M.Sc. Medical Biotechnology program. Faculty of Allied Medicine. Iran University of Medical Sciences.
4. Cancer & Gene Expression. Advanced Molecular & Cellular Biology, M.Sc. Medical Biotechnology program. Faculty of Allied Medicine. Iran University of Medical Sciences.
5. Invasion Assay. Advanced Methods in Biotechnology, M.Sc. Medical Biotechnology program. Faculty of Allied Medicine. Iran University of Medical Sciences.
6. Apoptosis & Cancer. Advanced Molecular & Cellular Biology, M.Sc. Hematology program. Faculty of Allied Medicine. Iran University of Medical Sciences.

Skills

1. Laboratory skills

Bacterial Culture. Antibioqram Test; MIC & MBC

Competent Cell preparation & Transformation

Cell Culture & Cell Proliferation Assay

DNA, RNA & Protein extraction from cell and tissue.

PCR, RT-PCR & Real-Time PCR

cDNA synthesis

SDS-PAGE & Western Blotting

Invasion & Migration Assay

Zymography

2. Scientific Softwares & Databanks

NCBI database, Blast analysis, Primer design Programs, Image J and Prism.

Research Interests

Cell Signaling in Cancer

Recombinant Proteins

Cell cycle & Apoptosis in cancer

Genetic Engineering

Immunotoxins

Peptide Aptamers

Probiotics & their Metabolites.