



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE: 6599"

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A fellowship at Dipartimento di \_\_\_ Dipartimento di Scienze Biomediche e Cliniche \_\_\_\_\_  
Scientist- in - charge: "Prof.ssa DELL'ERA,

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## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Shiri
Name	Sajad

### PRESENT OCCUPATION

Appointment	
Not Applicable	Not Applicable

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Bachelor of Cellular & Molecular Biology -Biotechnology,	Rabe Rashid University, Iran	2011
Specialization	Not Applicable	Not Applicable	Not Applicable
Master	Microbial Biotechnology, Tehran, Iran, Sep	Science and Research Branch of Azad University,	Feb 2020
Master	Medical Biotechnology	Baqiyatallah University of Medical Sciences,	Sep 2017
PhD	Not Applicable	Not Applicable	Not Applicable
Degree of medical	Not Applicable	Not Applicable	Not Applicable



specialization			
Degree of specialization	European	Not Applicable	Not Applicable
Other		Not Applicable	Not Applicable

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
Not Applicable	Not Applicable	Not Applicable

FOREIGN LANGUAGES

Languages	level of knowledge
English	Proeficient

TRAINING OR RESEARCH ACTIVITY

<p>-Laboratory Techniques: PCR (Real-time PCR, RT PCR), gel electrophoresis, DNA sequencing, Western blotting, ELISA, cell culture, Flow cytometry, microscopy(Brightfield, Darkfield, Fluorescence, DIC, SEM,TEM ). DNA Extraction, RNA Extraction, Spectrophotometry. Animal Lab( Animal Handling and Restraint, Anesthesia and Euthanasia, Gavage, Surgery,Cancer Research) , Mass Spectrometry, IHC (Immunohistochemistry)</p> <p>-Bioinformatics: Sequence analysis, protein structure prediction, genomics data interpretation, R programming • Python programming • GROMACS • Oligo • Primer3 • Meg Align • Edit seq • GeneDoc • Bio Edite • NCBI &amp; Ensemble,</p> <p>- Genetic Engineering: Cloning, gene editing (CRISPR-Cas9), vector construction.</p> <p>- Bioprocessing: Fermentation, bioreactor operation, downstream processing.</p> <p>- Quality Control &amp; Assurance: GMP, GLP, regulatory standards.</p> <p>- Data Analysis &amp; Statistical Tools: SPSS, GraphPad Prism, MiniTab, Design of Experiment (DOE)</p> <p>- Bioethics • Biosafety</p>
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## PROJECT ACTIVITY

Year	Project
2022	Activity of a Novel Antimicrobial Peptide with Nitric Oxide Induction against some Pathogenic Bacteria.
2017	An electrochemical sensor for the simultaneous determination of rifampicin and isoniazid using a C-dots@ CuFe 2 O 4 nanocomposite modified carbon paste electrode.
2015	Planarians: an in vivo model for regenerative medicine
2017	The effect of Glycyrrhiza glabra on osteoarthritis: suppression of TNF-a, IL-1b, Cox-2, iNOS gene expression and prostaglandin E2 and nitric oxide production in chondrocytes and monocyte/macrophages

## PATENTS

Patent
- Novel antimicrobial peptide with nitric oxide induction against some gastrointestinal pathogenic bacteria (Filed Dec 17, 2022)

## CONGRESSES AND SEMINARS

Date	Title	Place
2023	13th National and 5th International Biotechnology Congress of the Iranian Biotechnology Society - Presented article: The Intersection of CBRN, Biosecurity, and Biotechnology: Safeguarding the Future	Iran
2022	9th Basic and Clinical Neuroscience Congress  Covid-19; What, When, Where, and How in a Geography-Anthropology Cognitive Neurobiological Model	
2015	Certificate of Participation In First Conference of Bioremediation, Sharif University of Technology - Presented article: The use of biosorbents in absorbing, extracting and extracting uranium	Iran
2008	Certificate of Participation In 3rd International Student Conference of Biotechnology, University of Tehran	Iran



October. 29-31 20 December.	Certificate of Participation In 2nd Basic and Clinical Neuroscience congress, Iran University of Medical Sciences	Iran
23-25 201514	Certificate of Participation In 3rd Basic and Clinical Neuroscience congress, Iran University of Medical Sciences	

## PUBLICATIONS

Books (Not Applicable)
Translation of the book “Glenn, J. C., & Gordon, T. J. (Eds.). (2009). Futures research methodology: version 3.0. Editorial desconocida.” Et.all
Book in Persian;” Ali nasiri, Sajad shiri” (2021), A practical guide to dealing with Covid-19 for front-line personnel
Shiri, Sajad. “ Multipurpose Hall for CBRNe Incidents”. Romanian Journal of Military Medicine · Jul 19, 2023
Shiri, Sajad, Faezeh Hasani, and Mahdi Fasihi-Ramandi. "Activity of a Novel Antimicrobial Peptide with Nitric Oxide Induction against some Pathogenic Bacteria." Journal of Applied Biotechnology Reports 9.1 (2022): 531-538.
Shiri, Sajad, (2023). Multipurpose Hall for CBRNe Incidents. Romanian Journal of Military Medicine. 126. 474-485. 10.55453/rjmm.2023.126.4.19.
Shiri, Sajad, et al. "An electrochemical sensor for the simultaneous determination of rifampicin and isoniazid using a C-dots@ CuFe 2 O 4 nanocomposite modified carbon paste electrode." New Journal of Chemistry 41.24 (2017): 15564-15573.
Karami, Ali, Hamid Tebyanian, Vahabodin Goodarzi, and Sajad Shiri. "Planarians: an in vivo model for regenerative medicine." International journal of stem cells 8, no. 2 (2015): 128.
Hatef Boshra, Sajad Shiri, and Hedayat Sahraei. "Why human react differently to the same sensory experiences: an emotion-cognition interaction." Neurosci J Shefaye Khatam 4 (2015): 63-72.
Hatef Boshra, Habib Yaribeygi, Gholam Hossein Meftahi, and Sajad Shiri. "Individual and Community Values Conflict with the Approach of Cognitive Science and Reduction Strategies to Increase Mental Health; an Opinion Study." Health Research Journal 1, no. 2 (2016): 123-131.
Loni, Fatemeh, Hossein Maghsodi, and Sajad Shiri. "The effect of Glycyrhiza glabra on osteoarthritis: suppression of TNF-a, IL-1b, Cox-2, iNOS gene expression and prostaglandin E2 and nitric oxide production in chondrocytes and monocyte/macrophages." Healt Biotech Biopharma 1.2 (2017): 70-82.

Projects
1) <b>AntiMicrobial Peptides</b>
2) Biosensors



3)

Congress proceedings (Not Applicable)
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

<b>Broad Research Areas:</b>

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date:sajad shiri (03/05/2024)