

## **CURRICULUM VITAE Rita Arabsolghar, PhD**

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**Surname:** Arabsolghar

**First Name:** Rita

**Current Position:** Associate Professor of Medical Biochemistry

**Affiliation:**

Department of laboratory science

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### **Personals:**

**Date of Birth:** 19-8-1970

**Place of Birth:** shiraz, Iran

**Residency:** Shiraz, Iran

**Marital status:** Married

**Child:** 1

### **UNIVERSITY APPOINTMENT:**

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- Associate Professor of Medical Biochemistry, Shiraz University of Medical Sciences, Shiraz, Iran, 2011-present

### **QUALIFICATIONS and TRAININGS**

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- Ph.D. in Medical Biochemistry, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 2007-2012
  - M.Sc. in Medical Biochemistry, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 1999 - 2002
  - B.Sc. in laboratory science, Faculty of paramedical Sciences, , Shiraz University of Medical Sciences, Shiraz, Iran,
- Fellowships:**
- Research fellowship, Shiraz University of Medical Sciences, Shiraz, Iran,
  - E-learning fellowship, Shiraz University of Medical Sciences, Shiraz, Iran.
  - Medical education fellowship, Shiraz University of Medical Sciences, Shiraz, Iran.

## **SCIENTIFIC FIELDS OF INTEREST**

### **Cancer Research**

#### **Participation in Congresses and Symposiums**

- o More than 30 oral or poster presentations at international congresses

## **EXPERINCES and SKILLS**

### **Laboratoy Skills:**

1. Expert in cell culture
2. Expert in Molecular biology techniques such as DNA and RNA isolation, PCR and RT-PCR methods including Real-Time PCR, Gel Electrophoresis, Transformation, Transfection, SDS-PAGE, Immunobluting.
3. Expert in Biochemistry techniques such as Protein Purification techniques including Column Chromatography, Spectrophotometry (UV/Visible), ELISA and general biochemistry techniques

### **publications**

- 1- Prevalence and predictive factors of transient and permanent congenital hypothyroidism in Fars province, Iran, BMC pediatrics( 2021), 21(1),264  
Habib, A., Shojazadeh, A., Molayemat, **Arabsolghar R M.**, (...), Rahimi, N., Ardekani, F.M.

2- Effect of sodium benzoate on apoptosis and mitochondrial membrane potential after aluminum toxicity in PC-12 cell line. Iranian Journal of Toxicology ( 2020), 14(4), pp. 237-244

Rashedinia, M., Saberzadeh, J., Khodaei, F., (...), Alimohammadi, M., **Arabsolghar, R\***

3- The protective effects of Olive leaf extract on Type 2 diabetes, the expression of liver superoxide dismutase and total antioxidant capacity of plasma in rats.

Trends in Pharmaceutical Sciences,(2020) 43-52

SM Hosseini Nezhad Motlagh, M Vessal, **R Arabsolghar\***

4- Relationship between serum sialic acid and neuraminidase activity in rats with diabetes and renal injury. Annals of Research in Antioxidants (2020)

F Bodaghkhan, **R Arabsolghar\***

5-Glycyrrhizic Acid Ameliorates Mitochondrial Function and Biogenesis Against Aluminum Toxicity in PC12 Cells, Neurotoxicity Research (2019) 35:584–593

Marzieh Rashedinia & Jamileh Saberzadeh & Tannaz Khosravi Bakhtiari & Solmaz Hozhabri & **Rita Arabsolghar\***

6- The protective effect of sodium benzoate on aluminum toxicity in PC12 cell line

Research in Pharmaceutical Sciences, October 2017; 12(5): 391-400

**Rita Arabsolghar**, Jamileh Saberzadeh, Forouzan Khodaei<sup>3</sup>, Rozhin Abbasi Borojeni, Marjan Khorsand, and Marzieh Rashedinia

7- Preparation of ZnXFe<sup>3</sup>-XO<sub>4</sub>@chitosan Nanoparticles as an Adsorbent for Methyl Orange and Phenol,Journal of Environmental Treatment Techniques , 2019, Volume 7, Issue 3, Pages: 245-249, Mina Gholami, Alireza Zare-Hoseinabadi, Mohammad Mohammadi, Saeed Taghizadeh, Abbas Behzad Behbahani, Ali Mohammad Amani<sup>3</sup>, **Rita Arab Solghar\***

8- Alpha synuclein protein is involved in Aluminum-induced cell death and oxidative stress in PC12 cells, b r a i n r e s e a r c h 1 6 3 5 ( 2 0 1 6 ) 1 5 3 – 1 6 0

JamilehSaberzadeh,**RitaArabsolghar**,MohammadAliTakhshidn

9- Human Gyrovirus Apoptin as a Potential Selective Anticancer Agent: An In Vitro Study,Pharmaceutical Sciences March 2019, 25, 44-49, Amir Akbari, **Rita Arabsolghar\***, Abbas Behzad Behbahani, Gholamreza Rafiei Dehbidi, Farahnaz Zare, Mahdeih Hadi

10- NDRG2 Regulates the Expression of Genes Involved in Epithelial Mesenchymal Transition of Prostate Cancer Cells, Iranian Journal of Medical Sciences, Vol 44, No 2, March 2019, Mohammad Moradi Monfared, Marziyeh Alizadeh Zarei, Gholamreza Rafiei Dehbidi, Abbas Behzad Behbahani, **Rita Arabsolghar**, Mohammad Ali Takhsid, PhD

11- Effect of angiotensin receptor blockade on prevention and reversion of tamoxifen-resistant phenotype in MCF-7 cells, Tumor Biol. (2015) 36:893–900 Soha Namazi & Ebrahim Sahebi & Javad Rostami-Yalmeh & Mansooreh Jaberipour & Mahboobeh Razmkhah & Ahmad Hosseini & **Rita Arabsolghar**

12-: p53 Binds to Estrogen Receptor 1 Promoter in Human Breast Cancer Cells Pathol. Oncol. Res. (2012) 18:169–175 Mozghan Rasti & **Rita Arabsolghar** & Zahed Khatooni & Zohreh Mostafavi-Pour

13-Optimal Electroporation Condition for Small Interfering RNA Transfection into MDA-MB-468 Cell Line Iranian Journal of Medical Sciences, Vol 37, No 3, September 2012 **Rita Arabsolghar**, Mozghan Rasti

14- Mutant p53 binds to estrogen receptor negative promoter via DNMT1 and HDAC1 in MDA-MB-468 breast cancer cells Molecular Biology Reports (2013) 40:2617–2625 **Rita Arabsolghar** • Tayebeh Azimi • Mozghan Rasti

15- Anti-HBs Antibody Levels and Anti-HBc Detection Among HBV-Vaccinated Freshmen Enrolled in the Department of Laboratory Sciences, Shiraz University of Medical Sciences, Iran Shiraz E-Medical Journal , 2018 July; 19(7)

Sepide Namdari, **Rita Arabsolghar**, Sedigheh Sharifzadeh, Ali Farhadi, Shamim Toopchi, Noorossadat Seyyedi, Gholamreza Rafiei Dehbidi, Negin Nikouyan, Farahnaz Zare, Reza Ranjbaran, 1 and Abbas Behzad-Behbahani,\*

16- Methylation Status of Tumor-Related Genes in MCF7, MDA-MB-468 and BT-474 Breast Cancer Cell Lines with Different Estrogen Receptor Status Middle East Journal of Cancer; October 2014; 5(4): 207-213 Mozghan Rasti, **Rita Arabsolghar**, Sajad Azmand

17- Serum Levels of Sialic Acid and Neuraminidase Activity in Cardiovascular, Diabetic and Diabetic Retinopathy Patients Iranian Journal of Medical Sciences Vol 28, No.3, September 2003 A. Merat, **R. Arabsolghar**, J. Zamani, M. H. Roozitalab

18- THE ASSOCIATION OF SERUM SIALIC ACID AND  
NEURAMINIDASE ACTIVITY VALUE WITH DIABETES AND  
NEPHROPATHIC MICE

International Journal of Current Life Sciences - Vol. 4, Issue 8, pp. 3841-  
3843, August, 2014

Bodaghkhan Farahnaz, Vazirian Saeed reza, Roozbeh Jamshid, Malekmakan  
Leila, Ramzi Mani and **Arabsolghar Rita\***-

19- Activating transcription factor 3 inhibits NF- $\kappa$ B p65 signaling pathway and  
mediates apoptosis and cell cycle arrest in cervical cancer cells Infectious  
Agents and Cancer, 17(1),62 Akbarpour Arsanjani, A., Abuei, H., Behzad-  
Behbahani, A **Arabsolghar, R.**, Farhadi, A.

20- Expression and Purification of Human Granzyme B Fusion Protein to  
Induce Targeted Apoptosis in PSMA Positive Prostate Cancer Cells  
Protein and Peptide Letters, 29(7), pp. 631-640 Hadi, M., Akbari, A., Dehbidi,  
G.R., **Arabsolghar, R\***, Bahmani, T.

21- Syringic acid induces cancer cell death in the presence of Cu (II) ions via  
pro-oxidant activity

Asian Pacific Journal of Tropical Biomedicine, 12(6), pp. 270-278

Rashedinia, M., Nasrollahi, A., Shafaghat, M., (...), **Arabsolghar, R.**, Sabahi, Z

