

## **Curriculum Vitae**

**Shabnam Razavi, PhD.**

### **Personal Information**

Present position: Assistant Professor, Faculty member

Language:

Persian, Native

English: Good

### **Address:**

Department of Microbiology– School of Medicine Iran University of

Medical Sciences

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### **Education:**

PhD in Medical Biotechnology, Tehran University of medical science,

Tehran, Iran.

MSc. Medical microbiology, Iran University of medical science, Tehran,  
Iran.

BSc. in laboratory science, Iran University of medical science, Tehran,  
Iran.

MBA: Tehran University Faculty of Entrepreneurship, Tehran, Iran,2018

Virtual medical education student: Iran Medical University, Tehran, Iran 2016

**Teaching Experiences:**

Iran University of Medical Sciences; Teaching Molecular &cellular  
Microbiology for PhD, Msc, medicine and Bachelor students,2009 up to  
now

**Professional experience:**

Faculty member: Iran Medical University, Tehran, Iran Jun 2014-present

Research fellow: Tehran Medical University, Tehran, Iran Feb 2010-2014

Research Assistant: Iran Medical University, Tehran, Iran 2000-present

## **SEMINARS AND ACTIVITIES:**

) Darban DS, Irajian GH., **Razavi S.\*** et al. Using Ph.D. students as an assistant to advise and oversee the performance of MSc students in department of microbiology at Iran University of Medical Sciences. 18<sup>th</sup> national medical education congress. TEHRAN Iran. May 27-29.2017.

) Rastegar Lari A., Karimi A., Habibi M., **Razavi S.**, Mostafavi H., Farzandi Gh. Antibiotic resistance of gram – negative rods isolated from patients in pediatric hospital in Tehran. 2<sup>th</sup> FEMS congress of European Microbiologists. Spain Madrid .July 4-8, 2008.

) **Razavi S.**, Rastegar Lari A., Mostafavi H., Farzandi Gh., Habibi M. In vitro activity of Cefepime against clinical isolates before introduce to marketing in Iran. 15<sup>th</sup> Mediterranean congress of chemotherapy .Italy, Catania. June 25-27, 2006.

) Rastegar Lari A., Karimi A., Habibi M. , **Razavi S.**, Mostafavi H., Farzandi Gh. .Antibiotic resistance of gram – negative rods isolated from patients in pediatric hospital in Tehran. 15<sup>th</sup> Mediterranean congress of chemotherapy .Italy, Catania. June 25-27, 2006.

) Rastegar Lari A., **Razavi S.** Molecular epidemiology of Coagulase Negative Staphylococcus isolated from Tehran, Iran: First report. France, Lyon. 26-29 June.

- ) Rokoei F., **Razavi S.** Investigation of the transmission of fungal contamination by banknotes belonging to people with scabies (dermatophytosis) 11th Iranian Congress of Microbiology and the 1st Congress of Eastern Mediterranean Microbiology in Leningrad, May 20-28, 2010.
- ) **Razavi S.**, Rastegar Lari A., Bagheri P.K. Molecular Epidemiology and Drug Resistance Pattern of Coagulase Negative Staphylococci Isolated from Hospital Infections, 8th Iranian Congress of Microbiology. Isfahan 2-4 June 2006.
- ) **Razavi S.**, Rastegar Lari A., Evaluation of antibiotic resistance in coagulase negative staphylococci and confirmation of  $\beta$ -lactamase enzyme by idometric method , 6th Iranian Congress of Microbiology. Tehran, Feb. 29-27, 2003.
- ) Habibi M., **Razavi S.**, Rastegar Lari A., Mostafavi H., Farzandi G.H. Evaluating the activity of cephalosporins before entering the Iranian market against clinical strains isolated from patients referring to Rasoul-e-Akram Hospital in Tehran, 8th Iranian Congress of Microbiology. Isfahan 2-4 June 2006.
- ) Scoie Ler H., Mostafavi H., Etesam N., Habibi M., **Razavi S.**, Rastegar Lari A. The study of single-dose effect of cefazolin in preventing the possibility of post-cesarean infection, 6th International Congress of Women and Obstetrics of Iran. Tehran 4-8 December 2005.

) Bagheri P.K., **Razavi S.** Biochip technology and its applications in molecular biology and microbiology », 4th Congress of Microbiology with Bacteriology. Tehran, November 15-17, 2001.

### **Peer-reviewed International Publications**

1. Overview development and applications of CRISPR-Cas systems after a decade of research with a glance at anti-CRISPR proteins V Lohrasbi, N Shirmohammadlou, A Jahanshahi, S Razavi\*. *Reviews in Medical Microbiology*. 30 (2019)1:47-55
2. Rise of antibiotic resistance in clinical enterococcal isolates during 2001–2016 in Iran: a review. P Asadollahi, S Razavi, Kh Asadollahi, MR Pourshafie, Malihe Talebi. *New microbes and new infections*.26 (2018):92-99
3. A review on anti-adhesion therapies of bacterial diseases.A Asadi, S Razavi, M Talebi, M Gholami.*Infection*.(2018):1-12.
4. Molecular characterization of carbapenem-resistant *Acinetobacter baumannii* isolated from pediatric burns patients in an Iranian hospital.A Pournajaf, R Rajabnia, **S Razavi**, S Solgi, A Ardebili, S Yaghoubi, M Khodabandeh, Y Yahyapour, B Emadi, G Irajian.*Tropical Journal of Pharmaceutical Research*17 (2018)1:135-141.

5. Induction of Specific Humoral Immune Response in Mice against a *Pseudomonas aeruginosa* Chimeric PilQ/PilA Protein. M Gholami, A Salimi Chirani, R Falak, M Moshiri, S Razavi\*, G Irajian\*. *Reports of Biochemistry & Molecular Biology* 7(2018)1.
6. Putative type II toxin-antitoxin systems in *Listeria monocytogenes* isolated from clinical, food, and animal samples in Iran. B Sadeghi Kalani, G Irajian, L Lotfollahi, E Abdollahzadeh, S Razavi\*. *Microbial pathogenesis*(2018).
7. Methicillin-resistant staphylococcus epidermidis in Iran: A systematic review and meta-analysis. S Razavi, M Dadashi, A Pormohammad, S S Khoramrooz, M Mirzaii, A Gholipour, D Darban-Sarokhalil. *Archives of Clinical Infectious Diseases*.13(2018)4.
8. Integron types, antimicrobial resistance genes, virulence gene profile, alginate production and biofilm formation in Iranian cystic fibrosis *Pseudomonas aeruginosa* isolates. A Pournajaf, S Razavi, G Irajian, A Ardebili, Y Erfani, S Solgi, S Yaghoubi, A Rasaeian, Y Yahyapour, R Kafshgari, S Shoja, R Rajabnia. *Le infezioni in medicina: rivista periodica di eziologia, epidemiologia, diagnostica, clinica e terapia delle patologie infettive*.26(2018)3: 26-236.
9. Characterization of bacteriocin production in *Lactobacillus* spp. isolated from mother's milk. F Mohammadi, M Eshaghi, S Razavi, D Darban Sarokhalil, M Talebi, M R Pourshafie. *Microbial pathogenesis* 118(2018) :242-246

10. Molecular characterization of carbapenem-resistant *Acinetobacter baumannii* isolated from pediatric burns patients in an Iranian hospital. A Pournajaf, R Rajabnia, S Razavi, S Solgi, A Ardebili, S Yaghoubi, M Khodabandeh, Y Yahyapour, B Emadi, G Irajian. *Tropical Journal of Pharmaceutical Research*.17(2018)1:135-141
  
11. High Level of Biofilm Formation and Virulence Factors in Enterococci Species Isolated From Clinical and Normal Flora Samples Z Esmaeili, J Sadeghi, S Razavi, M Oshaghi, S Sayyahfar, M Rahbar, M Talebi, *Infectious Diseases in Clinical Practice*. 26(2018) 1 : p 27–30.
  
12. Immunogenicity of a fusion protein containing PilQ and disulphide turn region of Pila from *Pseudomonas aeruginosa* in mice M. Gholami, A.S. Chirani, S. Razavi, R. Falak, G. Irajian. *Letters in Applied Microbiology*.2017 doi:10.1111/lam.12796.
  
13. The association of type II diabetes with gut microbiota composition Fatemeh Navab-Moghadam, M Sedighi, ME. Khamseh, FAlaei-Shahmiri, M Talebi, **S Razavi** \*, N Amirmozafari. *Microbial Pathogenesis* 110 (2017) 630e636.
  
14. Comparison of gut microbiota in adult patients with type 2 diabetes and healthy individuals M Sedighi, S Razavi, \*, F Navab-Moghadam, M E. Khamseh , F Alaei-Shahmiri, AMehrtash, N Amirmozafari. *Microbial Pathogenesis* 111 (2017) 362e369.

15. FIRST REPORT OF COEXISTENCE OF AmpC BETA-LACTAMASE GENES IN KLEBSIELLA PNEUMONIAE STRAINS ISOLATED FROM BURN PATIENTS R GHANAVATI, D DARBAN-SAROKHALIL, FNAVAB-MOGHADAMI, H KAZEMIAN, G IRAJIAN,S RAZAVI\* *Acta Microbiologica et Immunologica Hungarica* DOI: 10.1556/030.64.2017.028.
  
16. Frequency of 16S rRNA Methylase and Aminoglycoside Modifying Enzyme Genes among Clinical Isolates of *Acinetobacter baumannii* in Iran M Gholami, M Haghshenas, M Moshiri, S Razavi,A Pournajaf, G Irajian, M Heidary. *Iran J Pathol.* 2017; 12(4): 329-338.
  
17. cloning & expression of human BMP-2 gene in *Leishmania tarentulae*. M Rahmati, AH Khan, S Razavi, MR Khorramizadeh, MJ Rasae, E sadreddiny. *Biocatalysis & agricultural biotechnology* 2016; 5, pp. 199-203
  
18. Antimicrobial resistance pattern and genetic correlation in *Enterococcus faecium* isolated from healthy volunteers M. Asadian, J. Sadeghi, A. Rastegar Lari, Sh Razavi, M. Hasannejad Bibalan, M. Talebi, *Microbial Pathogenesis* 4010(15)30207-2 2015.



### **Peer –reviewed Domestic Publications (in English)**

19. Frequency of 16S rRNA Methylase and Aminoglycoside Modifying Enzyme Genes among Clinical Isolates of *Acinetobacter baumannii* in Iran M Gholami, M Haghshenas, M Moshiri, S Razavi, A Pournajaf, G Irajian, M Heidary. *Iran J Pathol.* 2017; 12(4): 329-338.

### **Peer – reviewed Domestic Publications (in Persian)**

20. Rokoui F, Razavi S, Hashemi S. Study of Fungal Contamination in Tinea Patient's Money. *Iran J Med Microbiol.* 2014; 7 (4) :43-46
21. Effect of Ofloxacin, and Noscipine Combination on *Staphylococcus aureus*. S Razavi; A Rastegar Lari; K Mousavizadeh; M Mahmoodian; *Medical Journal of Tabriz University of Medical Sciences* .2009; 31 (3).
22. Evaluation of Antibiotic Resistance of Gram-negative basili isolated from children referring to the Mofid hospital of Tehran .Rastegar Lari A., Karimi A., Razavi S., Mostafavi H. *Journal of Iranian Medical Microbiology.* Vol. 1, No. 1, 2007.
23. Molecular Sub typing of Coagulase Negative *Staphylococcus* by Pulse Field Gel Electrophoresis .Razavi S., RASTEGAR LARI A; GHAZI F; *Medical Journal of Tabriz University of Medical Sciences*2006; 28 (3)53-7.
24. Jamila Nowroozi, Shabnam Razavi, "Nanobacteria", *Journal of Physicians*, year 2, No. 8, 2003.

## **Published Book (in Persian)**

1. Mir-Nejad Reza and Razavi Shabnam, Translation of "Microbiology of Stewart Walker", Peyvand Mehr Publication, 2008.
2. Mirnezhad Reza and Razavi Shabnam, "Specialized bacteriological questions collection series, Peyvand Mehr Publication, 2008.
3. Sadruddini Esmail, Razavi Shabnam and colleagues, "3D Cells Cultivation", Taali Andisheh Publishing House, 1392.
4. Mftoon Hamideh, Razavi Shabnam "Comprehensive Summary of Bacteriology" 1396.

## **Executive experiences:**

- 1- Research Deputy of Microbiology Biotechnology Research Center, Iran University of Medical Sciences
- 2- Member of the Biosafety Committee of the Medical School of Iran University of Medical Sciences
- 3- member of the knowledge transfer committee of Iran University of Medical Sciences
- 4- Member of the Committee on the Relationship with the Industry of the School of Medicine, Iran University of Medical Sciences
- 5- Member of the National Committee for Microbiology Biology Standards
- 6- Referee of the Center for Patents of Iran University of Medical Sciences
- 7- Referee to the Journal of Microbiology.

## **Laboratory Skills**

### **Mostly Expert and interest in:**

- ) Molecular typing methods of bacteria
- ) Culture and isolation of infectious agents
- ) Performing Microbiology Professional tests (Different types of microbial culture and detection methods, antibiograms and bacterial cellular and molecular tests)
- ) Performing Hematology Professional tests
- ) Performing molecular biology and biotechnology tests (genomics, transcriptomics, proteomics)
- ) Performing specialized cellular eukaryotic cultures and differentiating stem cells and working with laboratory animals (in vivo)
- ) Genetic engineering from lab to production
- ) Microbiota, probiotic and prebiotic
- ) Application of Nanotechnology
- ) Ability to set up specialized laboratories and cellular and molecular research centers
- ) Providing advice on domestic and international patents
- ) Providing advice on business management, quality control and quality assurance and GMP
- ) medical education