

Curriculum Vitae



Personal Data

Last Name: Yaslianifard

First Name: Somayeh

Birth: 1981, Tehran, Iran

Address (Home): Karaj, Iran

Address (Work): Department of Microbiology, School of Medicine, Alborz University of Medical Sciences, Tehran, Iran

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dr.yaslani@abzums.ac.ir

Language

Persian (native Language) , English and Turkish

Employment

Head of Department of Microbiology and Immunology, School of Medicine, Alborz University of Medical Sciences, Karaj, Iran (2017 until now)

Assistant professor in Department of Microbiology and Immunology, School of Medicine, Alborz University of Medical Sciences, Karaj, Iran (2013 until now)

Alborz University of medical sciences, Karaj, Iran
Phone number: 00989128929545

Education

***Tehran University of Medical Sciences. Tehran.Iran** Ph.D , Medical Bacteriology 2006-2012

*TarbiatModares University2004-2006 M.Sc., Medical Microbiology 2004-2006

Iran University of Medical Sciences (IUMS) **(Associate of Laboratory medicine)** 2001-2003

Shahid Beheshti University of Medical Sciences **(Associate of Laboratory medicine)** 1998-2001

Research Experience

Ph.D research. Tehran University of Medical Sciences. Tehran. Iran

Project: Rapid detection of *Legionella pneumophila*, *acinetobacter* , *pseudomonas* in respiratory clinical specimens and hospital environment water samples ,with Real Time PCR technique and Comparison with culture and then genotyping (Positive samples tested) by PFGE method.

M.Sc. research. TarbiatModares University

The prevalence of antibiotic resistance Van A,B, C of enterococcus isolated from various clinical specimens by multiplex PCR.

Recognition:

Earn rank was 1 in PhD National Entrance Examination in 2006 and 2 In country.

Publications:

1. Genetic diversity and antibiotic susceptibility of uropathogenic *Escherichia coli* isolates from kidney transplant recipients. M Mohammadzadeh, M Tavakoli, S Yaslianifard, E Asadi. *Infection and drug resistance* 12, 1795 (2019)
2. Investigation of *Enterococcus faecalis* population in patients with polyp and colorectal cancer in comparison of healthy individuals. M GERAHAND, P FALLAH, MH YAGHOBI, F SOLEIMANIFAR, M FARID. *Arquivos de Gastroenterologia* 56 (2), 141-145 (2019)
3. Investigação da população de *Enterococcus faecalis* em pacientes com pólipos e câncer colorretal em comparação a indivíduos saudáveis. M GERAHAND, P FALLAH, MH YAGHOBI, F SOLEIMANIFAR, M FARID. *Arquivos de Gastroenterologia* 56 (2), 141-145(2019)
4. Detection of Mex Efflux Pumps in *Pseudomonas aeruginosa* using a Multiplex Phenotypic and Genotypic Procedure in an Iranian Referral Hospital. S Yaslianifard, M Mirzaii, A Taheriniya, S Zamani, ZA Zamharir, B Behnam. *Int. J. Adv. Microbiol. Health. Res* 2 (1), 1-16(2018)
5. Profiling of Virulence-associated Factors in *Shigella* Species Isolated from Acute Pediatric Diarrheal Samples in Tehran, Iran. Sajad Yaghoobi, Reza Ranjbar, Mohammad Mehdi Soltan Dallal, c, Somayeh. *MOJ Immunol.* 6 (2), 44–47(2018)
6. mel-derivado de *Lactobacillus rhamnosus* alivia a infecção gastro-intestinal induzida pelo *Helicobacter pylori*-e inflamação gástrica em C57Bl/6 ratos: um estudo imuno-histológico. B ASGARI, F KERMANIAN, N DERAKHSHAN, M ASNA-ASHARI. *Arq. gastroenterol* 55 (3), 279-282(2018)
7. Renal failure due to human leptospirosis; an overview. S Yaslianifard, M Hoseini, S Alimorad. *Nephro-Urology Monthly* 10 (3) (2018)
8. Honey-derived *Lactobacillus rhamnosus* alleviates *Helicobacter pylori*-induced gastro-intestinal infection and gastric inflammation in C57BL/6 Mice: an immuno-histologic study. B ASGARI, F KERMANIAN, N DERAKHSHAN, M ASNA-ASHARI. *Arquivos de gastroenterologia* 55 (3), 279-282(2018)
9. Potential preventive effect of *Lactobacillus acidophilus* and *Lactobacillus plantarum* in patients with polyps or colorectal cancer. N ZINATIZADEH, F KHALILI, P FALLAH, M FARID, M GERAHAND. *Arquivos de gastroenterologia* 55 (4), 407-411(2018)
10. Prevalence and molecular distribution of *Legionella pneumophila* in cold water taps across Alborz province, Iran. S Yaslianifard, M Mohammadzadeh, MR Pourmand, S Yaslianifard. *Clinical Epidemiology and Global Health*(2018)
11. The effects of Berberine and palmatine on efflux pumps inhibition with different gene patterns in *Pseudomonas aeruginosa* isolated from burn infections. SS Aghayan, HK Mogadam, M Fazli, D Darban-Sarokhalil. *Avicenna journal of medical biotechnology* 9 (1), 2 (2017)
12. Virulence Genes in *Staphylococcus aureus* Strains Isolated from Different Clinical Specimens in an Iranian Hospital. SASY Sahar Yaslianifard , Sharare Jabari , Mehdi Mirzaii . *EC MICROBIOLOGY* 5 (3), 86-92 (2017)
13. Profiling of virulence-associated factors in *Shigella* species isolated from acute pediatric diarrheal samples in Tehran, Iran. S Yaghoobi, R Ranjbar, MMS Dallal, SY Fard, MH Shirazi, M Mahmoudi. *Osong public health and research perspectives* 8 (3), 220(2017)

14. Microbiological qualification of air, water and dialysate in a haemodialysis centre; a new focus on *Legionella* spp. Saeid Nazemi, Mehdi Mirzaii, Somayeh Yaslianifard, Davood Darban Sarokhalil, Seyyed Sajjad Khoramrooz. Iranian Journal of Microbiology 2016. 8(4):219-225. (2016)
15. Evaluation of efflux pumps gene expression in resistant *Pseudomonas aeruginosa* isolates in an Iranian referral hospital. Babak Pourakbari, Somayeh Yaslianifard, Shima Mahmoudi, Sepideh Keshavarz-Valian, Setareh Mamishi. Iranian Journal of Microbiology 2016. 8(4):249-256. (2016)
16. Immunomodulatory Effect of Chymotrypsin in CNS Is Sex-independent: Evidence of Anti-inflammatory Role for IL-17 in EAE. A Ghaffarinia, S Parvaneh, C Jalili, F Riazi-Rad, S Yaslianifard, Iranian Journal of Allergy, Asthma and Immunology. 2016. 15 (2), 145. (2016)
17. Neuroimmunomodulation by allogeneic seminal vesicle fluid in CNS is sex-independent. N Pakravan, A Ghaffarinia, S Parvaneh, S Yaslianifard, C Jalili, 2016. Neurological research 38 (2), 103-109. (2016)
18. Improvement of Homologous Recombination efficiency in *E. coli*. S.M. Amin Marashi, S. Yaslianifard, Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 18, No. (3):2016: 197-201. (2016)
19. The Effects of Berberine and Palmatine on Efflux Pumps Inhibition with Different Gene Patterns in *Pseudomonas aeruginosa* Isolated from Burn Infections. Seyed Sadjad Aghayan, Hamidreza Kalalianmogadam, Mozhgan Fazli, Davood Darban Sarokhalil, Seyyed Sajjad Khoramrooz, Fereshteh Jabalameli, Somayeh Yaslianifard, Mehdi Mirzaii. 2016, 1(9) Avicenna Research Institute. (2016)
20. The Effect of (Aqueous-Alcoholic) Extracts and Black Pepper Essence on *Vibrio cholerae* and *Staphylococcus aureus*. SY Fard, SMA Marashi, SFard M Mirzaii, SE Moosavi. International Journal of Enteric Pathogens. 2015, 3 (1). (2015)
21. Detection of *Leptospira interrogans* in plasma and urine samples by polymerase chain reaction-restriction fragment length polymorphism (PCR-RFLP). R Rajabnia, EF Shahandashti, S Yaslianifard, E Ghadami, A Kheirandish African Journal of Microbiology Research 2015, 9 (2), 135-139. (2015)
22. Evaluation of Cholera Toxin Expression in Acidic, Alkaline and Neutral Conditions. N Rahimi, M Nourani, Y Yahyapour, E Kalantar, S Yaslianifard, International Journal of Enteric Pathogens. 2015, 3 (1). (2015)
23. Prevalence of VanA and B Genotype Among Vancomycin Low Resistant *Enterococcus* in Fecal Normal Flora and Clinical Samples Isolated From Tehran's Hospitals. O Teymournejad, AM Mobarez, RH Doust, S Yaslianifard. International Journal of Enteric Pathogens. 2015. 3 (1) (2015)
24. Comparison of smear microscopy, culture, and real-time PCR for quantitative detection of *Mycobacterium tuberculosis* in clinical respiratory specimens. Davood Darban-Sarokhalil, Abbas Ali Imani Fooladi, Parviz Maleknejad, Zakaria Bameri, Moloud Aflaki, Bizhan Nomanpour, Somayeh Yaslianifard, Mohammad Hossein Modarresi, Mohammad Mehdi Feizabadi. Scandinavian journal of infectious diseases, 2013. 45 (4), 250-255. (2013)

25. Colonization of hospital water systems by *Legionella pneumophila*, *Pseudomonas aeruginosa*, and *Acinetobacter* in ICU wards of Tehran hospitals. SYaslianifard, AM Mobarez, B Fatolahzadeh, MM Feizabadi, .Indian Journal of Pathology and Microbiology 2012, 55 (3), 352. (2012)
26. Hospital acquired pneumonia: comparison of culture and real-time PCR assays for detection of *Legionella pneumophila* from respiratory specimens at Tehran hospitals. S Fard, B Nomanpour, B Fatolahzadeh, A Mobarez, D Darban-Sarokhali, Acta microbiologica et immunologica Hungarica, 2012. 59 (3), 355-365. (2012)
27. Linezolid vancomycin resistant Enterococcus isolated from clinical samples in Tehran hospitals. S Yasliani, AM Mobarez, RH Doust, M Satari, O Teymornejad, Indian journal of medical sciences. 2009, 63 (7), 297. (2009)
28. Incidence of van A, B, C, D, E in vancomycin resistant Enterococcus isolated from fecal flora in Tehran. AM Mobarez, SRH Doust, somayeyasliani, Modares Journal of Medical Sciences: Pathobiology. 2009, 12 (1), 17-24. (2009)
29. Linezolid vancomycin resistant Enterococcus isolated from clinical samples in Tehran hospitals. S Yasliani, AM Mobarez, RH Doust, M Satari, O Teymornejad Indian journal of medical sciences 2009. 63 (7), 297. (2009)
30. Detection of linezolid-resistant, vancomycin-resistant Enterococcus strain in Iran. RH Doust, S YaslianiFard, AM Mobarez . International Journal of Antimicrobial Agents .2007. 29, S525. (2007)

Supervision of research students:

1	Study of Prevalence of <i>Mycoplasma genitalium</i> and <i>Mycoplasma hominis</i> isolated from women with cervicitis referred to selected health centers in Karaj city.
2	correlation Gut Microbiota with Colorectal Cancer and Prostate Cancer
3	Treatment <i>h. pylori</i> infection with oxygene therapy in animal models and analysis Histological changes.
4	Investigating the association between gastric cancer caused by Helicobacter Pylori and HLA-B and HLA-DR
5	Evaluation of efflux pumps gene expression in resistant <i>Pseudomonas aeruginosa</i> isolates in an Iranian referral hospital

Molecular and experimental experiences

Molecular Techniques	Phenotyping Techniques
Molecular typing of bacteria	Culture and isolation of respiratory infectious agents
Primer and probe designing for molecular methods	Culture, detection and drug susceptibility testing of mycobacteria
Pulsed Field Gel Electrophoresis (PFGE)	Drug susceptibility testing of gram negative bacteria
Gene Expression	MIC and MBC
Restriction fragment length polymorphism (RFLP)	Protein Extraction
Multilocus sequence analysis (MLSA)	Protein Expression
DNA Cloning	SDS-PAGE
Nested PCR	Western Blot Analysis
Multiplex PCR	DNA extraction
Real-Time PCR	RNA Extraction
Cell culture	Gel Electrophoresis

Teaching experiences

1	Full time lecturer teaching Clinical Bacteriology and Genetic of Bacteria for health allied students including medical students and residents, dentists, Midwifery, Nursing, laboratory sciences, professional Biotechnology techniques for Ph.D students and systematic bacteriology, Physiology of bacteria, ... for MSc students.
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My interests are:

- 1- Probiotic and Prebiotic**
- 2- Microbiota and Cancer therapy**
- 3- Correlation between host immune system and bacteria**
- 4- Evaluation of immune system and bacteria associated with autoimmune diseases and cancer.**
- 5- Gut flora and innate immune system.**

Research in Progress:

Summary of my research projects in this time:

correlation Gut Microbiota with Colorectal Cancer and Prostate Cancer
Treatment <i>h.pylori</i> infection with oxygen therapy in animal models and analysis Histological changes.
Investigating the association between gastric cancer caused by Helicobacter Pylori and HLA-B and HLA-DR
Evaluation of efflux pumps gene expression in resistant <i>Pseudomonas aeruginosa</i> isolates in an Iranian referral hospital