

Curriculum Vitae

Personal Information

Name: Fereshteh Saffari

Gender: Female

Marital Status: Married

Nationality: Iranian

Languages: Farsi (Main), English

Date and Place of Birth: 22-12-1978, Tehran, Iran.

Contact details Address: Department of Microbiology and Virology, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran

Tel: +98 (34) 33257665

Fax: +98 (34) 33257665

Email: fsafari@kmu.ac.ir

Qualifications

- PhD in Medical Bacteriology, Tabriz University of medical Sciences, Kerman, Iran. (2014)
- MSc in Medical Microbiology, Kerman University of Medical Sciences, Kerman, Iran. (2008)
- BSc in Cellular and Molecular Microbiology, Alzahra University, Tehran, Iran. (2000)

Research Interests

- Molecular detection of bacteria
- Molecular typing
- Gene Expression
- Antimicrobial resistance
- Cell culture

Use of microbiome in cancer diagnosis/ treatment

Education course

PFGE, MALDI-TOF and MLST (Umea University, Sweden, 2015)

Publications

Book Chapter 1- Ghotaslou R, Saffari F. Antibiotic resistance in coagulase negative staphylococci. In: Ghotaslou R, editor. Antibiotic resistance in Iran and in the world. [Persian]

Articles

1. Sobhanipoor MH, Ahmadrajabi R, Nave HH, **Saffari F**. Determination of efflux activity in Enterococci by Hoechst accumulation assay and the role of zinc oxide nanoparticles in inhibition of this activity. BMC microbiology. 2022 Dec;22(1):1-9.
2. Pebdeni PH, **Saffari F**, Mirshekari TR, Ashourzadeh S, Soodejani MT, Ahmadrajabi R. Bacteriospermia and its association with seminal fluid parameters and infertility in infertile men, Kerman, Iran: A cross-sectional study. International Journal of Reproductive BioMedicine. 2022 Mar;20(3):202.
3. Rahmani M, **Saffari F**, Domann E, Zimmermann K, Langrouri L, Mansouri S. Enterococci as Intestinal Microbiota: Investigation of Characteristics and Probiotic Potential in Isolates from Adults and Breast-Fed Infants. Probiotics and Antimicrobial Proteins. 2022 May 18:1-2.
4. Sobhanipoor MH, Ahmadrajabi R, Nave HH, **Saffari F**. Reduced susceptibility to biocides among enterococci from clinical and non-clinical sources. Infection & Chemotherapy. 2021 Dec;53(4):696.
5. Janaki F, Ahmadrajabi R, Mirshekari TR, Ashourzadeh S, **Saffari F**. The Effect of Asymptomatic Bacteriospermia on Semen Quality among Infertile Men Referred to Infertility Clinics in Kerman. Journal of Kerman University of Medical Sciences 2021; 28(5): 486-490.
6. Ahmadpoor N, Ahmadrajabi R, Esfahani S, Hojabri Z, Moshafi MH, **Saffari F**. HighLevel Resistance to Erythromycin and Tetracycline and Dissemination of Resistance Determinants among Clinical Enterococci in Iran. Medical Principles and Practice. 2021;30(3):272-6.
7. **Saffari F**, Darehkordi H, Ahmadrajabi R. Clonal dissemination of high-level gentamicin-resistant isolates of Enterococcus faecalis within a university hospital in southeastern Iran. Wiener Medizinische Wochenschrift. 2021 Feb;171(1):18-23.
8. Dad V, Ahmadrajabi R, Esfahani S, **Saffari F**. Comparative study of Staphylococcus aureus from burn patients and healthcare workers in a burn center, Yazd, Iran. Wiener Medizinische Wochenschrift. 2021 Aug 2:1-5.
9. Esfahani S, Ahmadrajabi R, Mollaei H, **Saffari F**. Co-incidence of type II topoisomerase mutations and efflux expression in high fluoroquinolone resistant Enterococcus faecalis isolated from urinary tract infections. Infection and drug resistance. 2020;13:553.

10. **Saffari F**, Nikmanesh B. Molecular and Phenotypic Characteristics of *Staphylococcus Hominis* Isolates From Pediatric Infections. *journal of Kerman university of medical sciences*. 2020 Apr; 27(1): 99-105.
11. **Saffari F**, Radfar A, Sobhanipoor MH, Ahmadrajabi R. Spa gene-based molecular typing of nasal methicillin-susceptible *staphylococcus aureus* from patients and health-care workers in a dialysis center in southeast Iran. *Pathogens and global health*. 2020 Apr 2;114(3):160-3.
12. Rahmani M, **Saffari F**, Aboubakri O, Mansouri S. Enterococci from breast-fed infants exert higher antibacterial effects than those from adults: A comparative study. *Human Microbiome Journal*. 2020 Aug 1;17:100072.
13. Hojabri Z, Darabi N, Arab M, **Saffari F**, Pajand O. Clonal diversity, virulence genes content and subclone status of *Escherichia coli* sequence type 131: comparative analysis of *E. coli* ST131 and non-ST131 isolates from Iran. *BMC microbiology*. 2019 Dec;19(1):1-0.
14. Zahirnia Z, Mansouri S, **Saffari F**. Pregnancy-related listeriosis: frequency and genotypic characteristics of *L. monocytogenes* from human specimens in Kerman, Iran. *Wiener Medizinische Wochenschrift*. 2019 Jun;169(9):226-31.
15. Darehkordi H, **Saffari F**, Mollaei HR, Ahmadrajabi R. Amino acid substitution mutations and mRNA expression levels of the *pbp5* gene in clinical *Enterococcus faecium* isolates conferring high level ampicillin resistance. *Apmis*. 2019 Mar;127(3):115-22.
16. Sadeghi M, Ahmadrajabi R, Dehesh T, **Saffari F**. Prevalence of meningococcal carriage among male university students living in dormitories in Kerman, southeast of Iran. *Pathogens and global health*. 2018 Aug 18;112(6):329-33.
17. **Saffari F**, Sobhanipoor MH, Shahrvan A, Ahmadrajabi R. Virulence genes, antibiotic resistance and capsule locus polymorphisms in *Enterococcus faecalis* isolated from canals of root-filled teeth with periapical lesions. *Infection & chemotherapy*. 2018 Dec 1;50(4):340-5.
18. Zahirnia Z, Mansouri S, **Saffari F**, Mansouri G. Frequency of *Chlamydia trachomatis*, *Mycoplasma genitalium*, and *Ureaplasma urealyticum* isolated from vaginal samples of women in Kerman, Iran. *Archives of Clinical Infectious Diseases*. 2018 Dec 31;13(6).
19. Seyedi-Marghaki F, Kalantar-Neyestanaki D, **Saffari F**, Hosseini-Nave H, Moradi M. Distribution of aminoglycoside-modifying enzymes and molecular analysis of the coagulase gene in clinical isolates of methicillin-resistant and methicillin-susceptible *Staphylococcus aureus*. *Microbial Drug Resistance*. 2019 Jan 1; 25(1):47-53
20. Fasihi Y, **Saffari F**, Mansouri S, Kalantar-Neyestanaki D. The emergence of vancomycin-resistant *Staphylococcus aureus* in an intensive care unit in Kerman, Iran. *Wiener Medizinische Wochenschrift*. 2018 Mar; 168(3):85-8.
21. Ahmadrajabi R, Dalfardi MS, Farsinejad A, **Saffari F**. Distribution of Ebp pili among clinical and fecal isolates of *Enterococcus faecalis* and evaluation for human platelet activation. *Apmis*. 2018 Apr; 126(4):314-9.

22. Fasihi Y, **Saffari F**, Kandehkar Ghahraman MR, Kalantar-Neyestanaki D. Molecular detection of macrolide and lincosamide-resistance genes in clinical methicillinresistant *Staphylococcus aureus* isolates from Kerman, Iran. *Archives of Pediatric Infectious Diseases*. 2017 Jan 1;5(1).
23. **Saffari F**, Dalfardi MS, Mansouri S, Ahmadrajabi R. Survey for correlation between biofilm formation and virulence determinants in a collection of pathogenic and fecal *Enterococcus faecalis* isolates. *Infection & chemotherapy*. 2017 Sep 1;49(3):176-83.
24. Sobhanipoor MH, Ahmadrajabi R, Karmostaji A, **Saffari F**. Molecular characterization of nasal methicillin resistant *Staphylococcus aureus* isolates from workers of an automaker company in southeast Iran. *Apmis*. 2017 Oct;125(10):921-6.
25. **Saffari F**, Monsen T, Karmostaji A, Azimabad FB, Widerström M. Significant spread of extensively drug-resistant *Acinetobacter baumannii* genotypes of clonal complex 92 among intensive care unit patients in a university hospital in southern Iran. *Journal of medical microbiology*. 2017 Nov 1;66(11):1656-62.
26. Beitdaghar M, Ahmadrajabi R, Karmostaji A, **Saffari F**. In vitro activity of linezolid alone and combined with other antibiotics against clinical enterococcal isolates. *Wiener Medizinische Wochenschrift*. 2019 Jun;169(9):215-21.
27. **Saffari F**, Widerström M, Gurram BK, Edebro H, Hojabri Z, Monsen T. Molecular and phenotypic characterization of multidrug-resistant clones of *Staphylococcus epidermidis* in Iranian hospitals: clonal relatedness to healthcare-associated methicillin-resistant isolates in Northern Europe. *Microbial Drug Resistance*. 2016 Oct 1;22(7):570-7.
28. Aghazadeh M, Ghotaslou R, Rezaee MA, Moshafi MH, Hojabri Z, **Saffari F**. Determination of antimicrobial resistance profile and inducible clindamycin resistance of coagulase negative staphylococci in pediatric patients: the first report from Iran. *World Journal of Pediatrics*. 2015 Aug;11(3):250-4.
29. **Saffari F**, Ardakani MD, Zandi H, Heidarzadeh H, Moshafi MH. The effects of chlorhexidine and persica mouthwashes on colonization of *Streptococcus mutans* on fixed orthodontics O-rings. *Journal of Dentistry*. 2015 Mar;16(1):54.
30. Ghotaslou R, Aghazadeh M, Rezaee MA, Moshafi MH, Forootanfar H, Hojabri Z, **Saffari F**. The prevalence of aminoglycoside-modifying enzymes among coagulase negative staphylococci in Iranian pediatric patients. *Journal of Infection and Chemotherapy*. 2014 Sep 1;20(9):569-73.
31. Moshefi MH, Mehrabani M, Moeini M, **Saffari F**. Study of Antibacterial Effects of Different Fractions of Leaves Extract of *Ajuga Chamaecistus Ging. Subsp. Scoparia (Bioss) Rech. f.* and Bioautography of Effective Fraction. *Journal of Kerman University of Medical Sciences*. 2014 Jan 1;21(4):313-20.
32. Aghazadeh M, Rezaee MA, Nahaei MR, Mahdian R, Pajand O, **Saffari F**, Hassan M, Hojabri Z. Dissemination of aminoglycoside-modifying enzymes and 16S rRNA methylases among *Acinetobacter baumannii* and *Pseudomonas aeruginosa* isolates. *Microbial Drug Resistance*. 2013 Aug 1;19(4):282-8.
33. Moshafi MH, Mohammadhosseini N, **Saffari F**, Arjomand Sh, Farmanara B, Foroumadi A. Synthesis and in vitro antibacterial activity of 2-oxo and 2- oxyimino2-phenyl ethyl gatifloxacin derivatives. *J Rafsanjan Univ Med Sci*. 2013; 12(6): 425- 36.[Persian]

34. Eslami Nejad Z, Ghafouri E, Farahmandi-Nia Z, Kalantari B, **Saffari F**. Isolation, identification, and profile of antibiotic resistance of bacteria in patients with cancer. *Iranian Journal of Medical Sciences*. 2010 Jun 1;35(2):109-15.
35. Ghafouri E, Eslami Nejad Z, **Saffari F**. The prevalence of bacteremia among hospitalized cancer patients and antibiotic resistance of isolates. *Iranian Journal of Infectious Diseases and Tropical Medicine*. 2010; 47 (14): 19-26. [Persian]
36. Eslami Nejad Z, Nematollahi-Mahani SN, **Saffari F**, Mollaei HM, Arabzadeh AM. Cell death induction by *Streptococcus pyogenes* in four types of malignant cell lines. *Medical Journal of Islamic Republic of Iran*. 2010; 23(4): 207-17.