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48	60	12862	17925	380	329

Education

2001-2003: College of Laboratory Sciences, Tabriz University of medical Sciences. Iran.

2003-2006: Bsc of Laboratory Sciences, Tabriz University of Medical Sciences. Iran.

2006-2008: Msc of medical Microbiology in Tarbiat Modares University, Iran.

2008-2012: PhD of medical Microbiology in Tarbiat Modares University. Iran.

2012: Research Fellowship in Microbiology, Antwerp University, Belgium.

2012: Postdoc of Mycobacteriology at Tehran University of Medical Sciences, Iran.

2013- Now: As. Professor of Clinical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.

2022. Invited professor, Salerno University, Salerno, Italy.

Employment:

Assistant Professor: Department of Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran

Lab: Microbiology Section, Imam Reza Hospital.

Lab: Microbiology Lab, Drug Applied Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

Director: Head of Research Assessment and Research Centers, Vice-Chancellor's Office for Research, Tabriz University of Medical Sciences, Tabriz, Iran.

Prize:

Razi Medical prize 2022 for research on tuberculosis

First top student in M.Sc. and Ph.D. countrywide 2008, 2011

University Top researcher and Faculty top researcher in TUMS 2016, 2018, 2020, 2022

Piero peritti Award, Chemotherapy Society of Italy 2018.

Language

English, Persian, Turkish, Azeri, Arabic

Skills:

Medical Microbiology skills

Cell culture

Realtime PCR

Biofilm follow system

Biofilm conventional study

PNA application and molecular analysis

Sequencing and cloning experiences

Proteomics and Maldi-Tof analysis

Crispr-CAS and gene editing experiences

Antimicrobial analysis for Nano films and other components

Viral serology experiments

Profiles:

ResearcherID: <https://www.webofscience.com/wos/author/record/AAX-2888-2021>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=16233382900>

Google Scholar: <https://scholar.google.com/citations?user=2muuIkEAAAJ&hl=en>

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Teaching

Microbiology for Students of Medicine.

Microbiology for Student of Pharmacy.

Microbiology for Dental students.

Practical Microbiology for dental student and pharmacy students.

Anaerobes for Ph.D. students

Hospital internship of Microbiology and infectious disease for M.Sc. students

Hospital internship of Microbiology and infectious disease for Ph.D. students

Basic Microbiology for M.Sc. of Microbiology students

Genetics for Ph.D. students

Publication:

1. Sabzchi-Dehkharghani H, Samadi Kafil H, Majnooni-Heris A, Akbarzadeh A, Naderi-Ahranjani R, Fakherifard A, et al. Investigation of SARS-CoV-2 RNA contamination in water supply resources of Tabriz metropolitan during a peak of COVID-19 pandemic. *Sustainable Water Resources Management* 2023; 9:1-16.
2. Yousefzadeh Y, Soltani-Zangbar MS, Kalafi L, Tarbiat A, Shahmohammadi Farid S, Aghebati-Maleki L, et al. Evaluation of CD39, CD73, HIF-1 α , and their related miRNAs expression in decidua of preeclampsia cases compared to healthy pregnant women. *Molecular Biology Reports* 2022; 49:10183-93.

3. Yousefi M, Yousefzadeh Y, Soltani-Zangbar MS, Kalafi L, Tarbiat A, Farid SS, et al. Evaluation of CD39, CD73, HIF-1 α , and their related miRNAs expression in decidua of preeclampsia cases compared to healthy pregnant women. 2022.
4. Sartelli M, Labricciosa FM, Coccolini F, Coimbra R, Abu-Zidan FM, Ansaloni L, et al. It is time to define an organizational model for the prevention and management of infections along the surgical pathway: a worldwide cross-sectional survey. *World Journal of Emergency Surgery* 2022; 17:1-15.
5. Salemi SZ, Memar MY, Kafil HS, Sadeghi J, Ghadim HH, Alamdari HA, et al. The Prevalence and Antibiotics Susceptibility Patterns of *Corynebacterium minutissimum* Isolates from Skin Lesions of Patients with Suspected Erythrasma from Tabriz, Iran. *Canadian Journal of Infectious Diseases and Medical Microbiology* 2022; 2022.
6. Rezaei T, Mehramouz B, Gholizadeh P, Yousefi L, Ganbarov K, Ghotaslou R, et al. Factors Associated with *Streptococcus mutans* Pathogenicity in the Oral Cavity. 2022.
7. Raeisi S, Ghorbanihaghjo A, Argani H, Dastmalchi S, Ghasemi B, Ghazizadeh T, et al. The effects of valsartan on renal klotho expression and oxidative stress in alleviation of cyclosporine nephrotoxicity. *Transplantation* 2022.
8. Pourakbari R, Yousefi M, Khalilzadeh B, Irani-nezhad MH, Khataee A, Aghebati-Maleki L, et al. Early stage evaluation of colon cancer using tungsten disulfide quantum dots and bacteriophage nano-biocomposite as an efficient electrochemical platform. *Cancer Nanotechnology* 2022; 13:1-17.
9. Pourakbari R, Parhizkar F, Soltani-Zangbar MS, Samadi P, Zamani M, Aghebati-Maleki L, et al. Preeclampsia-Derived Exosomes Imbalance the Activity of Th17 and Treg in PBMCs from Healthy Pregnant Women. *Reproductive Sciences* 2022;1-12.
10. Plants M. Gut Microbiota and Human Body Interactions; Its Impact on Health: A Review. *Current Pharmaceutical Biotechnology* 2022; 23:15.
11. Ozma MA, Nabizadeh E, Valiollahzadeh MR, Rashedi J, Poor BM, Asgharzadeh V, et al. Different Dimensions of the Effects of SARS-CoV-2 in Causing Fluctuations in the Blood Pressure of Patients. 2022.
12. Ozma MA, Lahouty M, Abbasi A, Rezaee MA, Kafil HS, Asgharzadeh M. Effective Bacterial Factors Involved in the Dissemination of Tuberculosis. 2022.
13. Ozma MA, Khodadadi E, Rezaee MA, Asgharzadeh M, Aghazadeh M, Zeinalzadeh E, et al. Bacterial Proteomics and its Application in Pathogenesis Studies. *Current Pharmaceutical Biotechnology* 2022; 23:1245-56.
14. Ozma MA, Abbasi A, Asgharzadeh M, Pagliano P, Guarino A, Köse Ş, et al. Antibiotic therapy for pan-drug-resistant infections. *Le Infezioni in Medicina* 2022; 30:525.
15. Ozma MA, Abbasi A, Ahangarzadeh Rezaee M, Hosseini H, Hosseinzadeh N, Sabahi S, et al. A critical review on the nutritional and medicinal profiles of garlic's (*Allium sativum* L.) Bioactive Compounds. *Food Reviews International* 2022:1-38.
16. Nezhadi J, Taghizadeh S, Khodadadi E, Yousefi M, Ganbarov K, Yousefi B, et al. Antisense agents against antibiotic-resistant bacteria. *Current Pharmaceutical Biotechnology* 2022.
17. Najafi K, Yousefi L, Zeinalzadeh E, Kafil HS. Current trends in colistin susceptibility testing methods in enteric Gram-negative bacilli and other non-fermentative pathogens. *Reviews and Research in Medical Microbiology* 2022; 33:193-202.
18. Najafi K, Maroufi P, Khodadadi E, Zeinalzadeh E, Ganbarov K, Asgharzadeh M, et al. SARS-CoV-2 receptor ACE2 and molecular pathway to enter target cells during infection. *Reviews in Medical Microbiology* 2022; 33:e105-e13.

19. Nabizadeh E, Sadeghi J, Ahangarzadeh Rezaee M, Hasani A, Samadi Kafil H, Ghotaslou A, et al. Interaction Between Altered Gut Microbiota and Sepsis: A Hypothesis or an Authentic Fact? *Journal of Intensive Care Medicine* 2022;08850666221102796.
20. Mollazadeh-Narestan Z, Yavarikia P, Homayouni-Rad A, Samadi Kafil H, Mohammad-Alizadeh-Charandabi S, Gholizadeh P, et al. Comparing the Effect of Probiotic and Fluconazole on Treatment and Recurrence of Vulvovaginal Candidiasis: a Triple-Blinded Randomized Controlled Trial. *Probiotics and Antimicrobial Proteins* 2022;1-11.
21. Madadi S, Mohammadinejad S, Alizadegan A, Hojjat-Farsangi M, Dolati S, Kafil HS, et al. Expression level of immune checkpoint inhibitory factors in preeclampsia. *Human Immunology* 2022; 83:628-36.
22. Leylabadlo HE, Heravi FS, Soltani E, Abbasi A, Kafil HS, Parsaei M, et al. The role of gut microbiota in the treatment of irritable bowel syndrome. *Reviews in Medical Microbiology* 2022; 33:e89-e104.
23. Ledesma JR, Ma J, Vongpradith A, Maddison ER, Novotney A, Biehl MH, et al. Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990–2019: results from the Global Burden of Disease Study 2019. *The Lancet infectious diseases* 2022; 22:222-41.
24. Kyu HH, Vongpradith A, Sirota SB, Novotney A, Troeger CE, Doxey MC, et al. Age–sex differences in the global burden of lower respiratory infections and risk factors, 1990–2019: results from the Global Burden of Disease Study 2019. *The Lancet infectious diseases* 2022; 22:1626-47.
25. Khiabani SA, Haghighat S, Khosroshahi HT, Asgharzadeh M, Kafil HS. Clostridium species diversity in gut microbiota of patients with renal failure. *Microbial Pathogenesis* 2022; 169:105667.
26. Khani N, Kafil HS, Gilani N, Abbasi A, Rad AH. Assessing the growth-inhibitory activity of postbiotics of *Lactobacillus* spp. against *Staphylococcus aureus* under in vitro circumstances and food model. *Letters in Applied Microbiology* 2022.
27. Kazeminava F, Javanbakht S, Nouri M, Gholizadeh P, Nezhad-Mokhtari P, Ganbarov K, et al. Gentamicin-loaded chitosan/folic acid-based carbon quantum dots nanocomposite hydrogel films as potential antimicrobial wound dressing. *Journal of Biological Engineering* 2022; 16:1-13.
28. Kazeminava F, Javanbakht S, Nouri M, Adibkia K, Ganbarov K, Yousefi M, et al. Electrospun nanofibers based on carboxymethyl cellulose/polyvinyl alcohol as a potential antimicrobial wound dressing. *International Journal of Biological Macromolecules* 2022.
29. Kashi P, Pakdel F, Barhaghi MHS, Rezaee MA, Taghizadeh S, Sadeghi J, et al. WITHDRAWN: Genetic diversity of *Mycobacterium tuberculosis* isolates from northwest of Iran during Covid-19 era. Elsevier, 2022.
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31. Jafarpour M, Omidvar MH, Soltani-Zangbar MS, Dolati S, Ahmadi M, Jadidi-Niaragh F, et al. The effects of PBMCs-derived exosomes of ankylosing spondylitis patients on T cell profiles. *Gene Reports* 2022; 26:101446.
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34. Hosseini S, Homayouni-Rad A, Kafil HS, Doroud N. Evaluating the Antimicrobial Effect of Postbiotic Extract from *Lactobacillus Casei* on *Escherichia Coli* in Commercial Sterilized Milk. 2022.
35. Hoseinpour R, Hasani A, Baradaran B, Abdolalizadeh J, Amini Y, Salehi R, et al. Chitosan nanoparticles containing fusion protein (Hsp α -PPE44-EsxV) and resiquimod adjuvant (HPERC) as a novel booster vaccine for *Mycobacterium tuberculosis*. *Journal of Biomaterials Applications* 2022;08853282221079105.
36. Hasheminya S-M, Dehghannya J, Ganbarov K, Samadi Kafil H. Development and structural characterization of novel biomaterial polymeric films based on the mucilage extracted from *Salvia mirzayanii* seed gum incorporated with zinc oxide nanoparticles. *Journal of Food Measurement and Characterization* 2022;1-12.
37. Hajiagha MN, Taghizadeh S, Asgharzadeh M, Dao S, Ganbarov K, Köse Ş, et al. Gut microbiota and human body interactions; its impact on health: a review. *Current Pharmaceutical Biotechnology* 2022; 23:4-14.
38. Haeuser E, Serfes AL, Cork MA, Yang M, Abbastabar H, Abhilash E, et al. Mapping age- and sex-specific HIV prevalence in adults in sub-Saharan Africa, 2000–2018. *BMC medicine* 2022; 20:1-24.
39. Ghaffari S, Abbasi A, Somi MH, Moaddab SY, Nikniaz L, Kafil HS, et al. Akkermansia muciniphila: from its critical role in human health to strategies for promoting its abundance in human gut microbiome. *Critical Reviews in Food Science and Nutrition* 2022;1-21.
40. Feizi H, Rezaee MA, Ghotaslou R, Sadrkabir M, Jadidi-Niaragh F, Gholizadeh P, et al. Gut Microbiota and Colorectal Cancer Risk Factors. *Current Pharmaceutical Biotechnology* 2022.
41. Feizi H, Plotnikov A, Rezaee MA, Ganbarov K, Kamounah FS, Nikitin S, et al. Postbiotics versus probiotics in early-onset colorectal cancer. *Critical Reviews in Food Science and Nutrition* 2022;1-10.
42. Fathizadeh H, Pakdel F, Saffari M, Esmaeili D, Heravi MM, Dao S, et al. Bacteriocins: Recent Advances in its Application as an Antimicrobial Alternative. *Current Pharmaceutical Biotechnology* 2022; 23:1028-40.
43. Farzadfar F, Naghavi M, Sepanlou SG, Moghaddam SS, Dangel WJ, Weaver ND, et al. Health system performance in Iran: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet* 2022; 399:1625-45.
44. Fakhri E, Samadi Kafil H, Naghizadeh M, Eslami H, Sefidan FY. Antimicrobial effect of grape seed extract as a potential intracanal medicament combined with Nd: YAG laser. *Australian Endodontic Journal* 2022.
45. Fahmi A, Ahmadi R, Memar MY, Hemmati S, Babakhani S, Samadi-Kafil H, et al. A novel microbial-assisted method for sodium bicarbonate production-Cleaner production, safe and facile synthesise. *Process Safety and Environmental Protection* 2022.
46. Faezi NA, Mehramouz B, Taghizadeh S, Pagliano P, Kafil HS. Acute hepatitis (Non Hepa AE) of unknown origin among pediatrics. *Le Infezioni in Medicina* 2022; 30:353.
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48. Dayemomid S, Narjabadifam M, Behrouz Sharif S, Hashemzadeh S, Samadi Kafil H, Eftekharsadat A, et al. Detection of Mutations in Exons 5, 6, and 7 of the TP53 Gene in the Tumor Tissue and Stool Samples of Patients with Colorectal Cancer from Northwest Iran. *Middle East Journal of Cancer* 2022; 13:34-42.
49. Bohlouli S, Raeesi S, Kafil HS, Negahdari R, Hassani M, Aghazadeh Z. The Second Case Report of Cellular Cannibalism in Ameloblastoma. 2022.

50. Bohlouli S, Kafil HS, Negahdari R, Hassani M, Aghazadeh Z. Evaluation of Antifungal Effects of Effervescent Tablets containing Ginger on Dentures Contaminated with Candida (In Vitro). *Avicenna Journal of Dental Research* 2022.
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53. Asgharian M, Gholizadeh P, Kafil HS, Ghojzadeh M, Samadi A, Soleymani J, et al. Correlation of inflammatory biomarkers with the diversity of Bacteroidaceae, Bifidobacteriaceae, Prevotellaceae and Lactobacillaceae families in the intestinal microbiota of patients with end stage renal disease. *Advances in Medical Sciences* 2022; 67:304-10.
54. Amini AB, Koucheh MF, Babakhani S, Kafil HS, Fahmi A. Improvement of Mortar Samples Using the Bacterial Suspension Cultured in the Industrial Corn Steep Liquor Media. *Industrial Biotechnology* 2022.
55. Alihosseini S, Leylabadlo HE, Parsaei M, Sarafraz N, Ghanbarov K, Esposito S, et al. Current drugs with potential for coronavirus disease 2019 therapy: a literature review. *Reviews in Medical Microbiology* 2022; 33:e148-e60.
56. Abbaspour-Aghdam S, Hazrati A, Abdolmohammadi-Vahid S, Tahmasebi S, Mohseni J, Valizadeh H, et al. Immunomodulatory role of Nanocurcumin in COVID-19 patients with dropped natural killer cells frequency and function. *European Journal of Pharmacology* 2022; 933:175267.
57. Abbasi A, Kafil HS, Ozma MA, Sangtarash N, Sabahi S. Can food matrices be considered as a potential carrier for COVID-19? *Le Infezioni in Medicina* 2022; 30:59.
58. Zolfaghari MA, Motavalli R, Soltani-Zangbar MS, Parhizkar F, Danaii S, Aghebati-Maleki L, et al. A new approach to the preeclampsia puzzle; MicroRNA-326 in CD4+ lymphocytes might be as a potential suspect. *Journal of Reproductive Immunology* 2021; 145:103317.
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79. Mazraeh FN, Hasani A, Sadeghi J, Kafil HS, Barhaghi MHS, Sefidan FY, et al. High frequency of bla_{PER-1} gene in clinical strains of *Acinetobacter baumannii* and its association with quorum sensing and virulence factors. *Gene Reports* 2021; 24:101232.
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91. Katebi H, Fahmi A, Ouria A, Babaeian Amini A, Kafil HS. Microbial surface treatment of sand with *Sporosarcina pasteurii* to improve the wind erosion resistance in Urmia Lake. *Applied and Environmental Soil Science* 2021; 2021.
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