Dr. Hossein Samadi Kafil, Ph.D.

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# Summary

Experienced medical microbiologist with extensive research in antibiotic resistance, probiotics, and clinical bacteriology. Award-winning academic with a strong publication record and international collaborations.

# Education

* Ph.D. in Medical Bacteriology, Tarbiat Modares University, Tehran, Iran (2008–2012)
* M.Sc. in Medical Microbiology, Tarbiat Modares University, Tehran, Iran (2006–2008)
* B.Sc. in Medical Laboratory Sciences, Tabriz University of Medical Sciences, Iran (2003–2006)
* College of Medical Laboratory Sciences, Tabriz University of Medical Sciences (2001–2003)
* Postdoctoral Fellowship in Mycobacteriology, Tehran University of Medical Sciences, Iran (2012)
* Research Fellowship in Microbiology, University of Antwerp, Belgium (2012)
* Visiting Scholar, University of Salerno, Italy (2022)

# Academic and Clinical Appointments

* Associate Professor of Clinical Microbiology (2013–Present), Faculty of Medicine, Tabriz University of Medical Sciences
* Assistant Professor, Department of Medical Microbiology (2012–2013), Faculty of Medicine, Tabriz University of Medical Sciences
* Head of Research Assessment & Research Centers, Vice-Chancellor's Office for Research, Tabriz University of Medical Sciences

# Awards & Honors

* 2022 – Best Researcher Award for COVID-19 Research
* 2020 – Faculty of Medicine Top Researcher, Tabriz University
* 2020 – Provincial Research Award in Para-clinical Sciences
* 2018 – Piero Peritti Award, Italian Society of Chemotherapy
* 2018 – University Top Researcher, Tabriz University
* 2016 – Top Researcher, Tehran University of Medical Sciences
* 2012 – Razi National Medical Award for Research in Tuberculosis
* 2008 & 2011 – Top National Student in MSc and PhD Entrance Exams

# Teaching Experience

* Medical Microbiology for Medical, Dental, and Pharmacology students
* Systematic and Clinical Bacteriology for M.Sc. students
* Bioinformatics and Microbial Toxins for Ph.D. students
* Hospital practices and training for Ph.D. students
* Microbiology for Public Health students

# Research Metrics

* Publications: 552 (Google Scholar), 463 (Scopus)
* Citations: 50,321 (Scopus), 41,139 (Google Scholar)
* h-index: 78 (Google Scholar), 66 (Scopus)

# Research Profiles

* Scopus: https://www.scopus.com/authid/detail.uri?authorId=16233382900
* Research ID: https://www.webofscience.com/wos/author/record/AAX-2888-2021/
* Google Scholar: https://scholar.google.com/citations?user=2muuIkEAAAAJ&hl=en
* ORCID: https://orcid.org/0000-0001-6026-8795
* ResearchGate: https://www.researchgate.net/profile/Hossein-Kafil

# Research Interests

* Antibiotic resistance in clinical pathogens
* Probiotic and postbiotic development
* Mycobacteriology and tuberculosis diagnostics
* Molecular epidemiology of resistant bacteria
* Antimicrobial Nanotechnology and food packaging

# Full list of publications:

**2025:**

1. Sharifi, R.; Ghaffari, T.; Ghasemi, S.; Kafil, H.S. Evaluation of Microgap Size and Microbial Microleakage at the Implant Fixture–Abutment Interface in Original and Compatible Abutments. BioMed Research International 2025, 2025, 2530986.

2. Saedi, S.; Nezhadi, J.; Soleimani, R.A.; Ozma, M.A.; Ahmadi, S.; Sedaghat, F.R.; Kafil, H.S. Effects of Postbiotics Derived from Lactobacillus plantarum and Bifidobacterium bifidum on Biofilm Formation and Virulence Gene Expression of Enterococcus faecalis. 2025.

3. Ozma, M.A.; Alileh, N.F.; Abbasi, A.; Mahdavi, S.; Fadaee, M.; Nezhadi, J.; Ozma, M.A.; Asgharzadeh, M.; Kafil, H.S. Antibacterial, antibiofilm, and gene expression assessment of ajwain (Trachyspermum ammi) essential oil on drug-resistant gastrointestinal pathogens and its combination effect with ampicillin. Letters in Applied Microbiology 2025, 78, ovae138.

4. Nezhadi, J.; Kafil, H.S.; Sadrkabir, M.; Mahdavi, F.; Moaddab, S.Y.; Nouri, R.; Mohammadzadeh-Asl, Y.; Sattarpour, S.; Rezaee, M.A. The relationship between pathogenic bacteria and different stages of colorectal cancer. Letters in Applied Microbiology 2025, 78, ovaf017.

5. Mohammadi, Z.; Poortahmasebi, V.; Baghi, H.B.; Kafil, H.S.; Abdinia, B.; Oskouee, M.A. Prevalence of gastrointestinal viral infections in pediatrics with gastroenteritis referred to hospital in northwest Iran. The Microbe 2025, 7, 100296.

6. Mohammad Nejad Khiavi, N.; Sowti Khiabani, M.; Rezaei Mokarram, R.; Hamishekar, H.; Samadi Kafil, H. Green synthesis of carbon quantum dots (CQDs) from butternut squash (Cucurbita moschata) peel waste: characterization, antibacterial and antioxidant activity. Biomass Conversion and Biorefinery 2025, 1-12.

7. Mahoutforoush, A.; Feyzi, F.; Rasoulzadehzali, M.; Kazeminava, F.; Nazari, S.; Moradi, S.; Golpayegani, E.; Vessally, E.; Rzayev, R.; Kafil, H.S. Carboxamide-functionalized cellulose hydrogel as an efficient pH-sensitive antibacterial oral delivery carrier. Colloids and Surfaces A: Physicochemical and Engineering Aspects 2025, 713, 136425.

8. Lalezadeh, A.; Fadaee, M.; Saedi, S.; Nezhadi, J.; Ozma, M.A.; Ahmadi, S.; Mobaseri, M.; Kafil, H.S. A critical review on the potential of inactivated bacteria in counteracting human pathogens. Current Microbiology 2025, 82, 295.

9. Kadkhoda, H.; Gholizadeh, P.; Ghotaslou, R.; Nabizadeh, E.; Pirzadeh, T.; Rezaee, M.A.; Feizi, H.; Kafil, H.S.; Aghazadeh, M. Role of CRISPR-cas system on virulence traits and carbapenem resistance in clinical Klebsiella pneumoniae isolates. Microbial Pathogenesis 2025, 199, 107151.

10. Imanian, S.; Mehrvar, A.; Hamedi, J.; Samadi Kafil, H.; Eivazian Kary, N. Biodiversity of Actinomycetes isolated from lizard excrement in the Iranian desert and pesticidal potential of their culture extracts. Biocontrol Science and Technology 2025, 1-26.

11. Imani, S.; Soltani-Jigheh, H.; Kafil, H.S.; Zinatloo-Ajabshir, S.; Fahmi, A. Environmental sustainability in combating wind erosion: Chemical stabilization of sand dunes using acidic mulching. Results in Engineering 2025, 25, 103758.

12. Haghi, P.B.; Mokarram, R.R.; Khiabani, M.S.; Hamishekar, H.; Kafil, H.S.; Paryad, P.; Abedi-Firoozjah, R.; Tavassoli, M. Green synthesis of silver nanoparticles using chamomile extract for xanthan/agar and bacterial nanocellulose antimicrobial nanobiocomposite. Journal of Food Measurement and Characterization 2025, 19, 1567-1585.

13. Habibi, R.; Bari, M.R.; Hamishehkar, H.; Kafil, H.S.; Amiri, S.; Kim, K.H. Nanostructured Lipid Carriers Loaded with Hyssop Essential Oil: Antioxidant and Antimicrobial Platform for Food Preservation. Applied Food Research 2025, 101094.

14. Feizi, H.; Kafil, H.S.; Plotnikov, A.; Kataev, V.; Balkin, A.; Filonchikova, E.; Rezaee, M.A.; Ghotaslou, R.; Sadrkabir, M.; Kadkhoda, H. Polyp and tumor microenvironment reprogramming in colorectal cancer: insights from mucosal bacteriome and metabolite crosstalk. Annals of clinical microbiology and antimicrobials 2025, 24, 9.

15. Fakhrzadeh, V.; Eslami, H.; Kafil, H.S.; Khodaie, M.S.; Yasamineh, N. Comparing the effects of propolis extract mouthwash with Nystatin mouthwash on denture stomatitis. Medical Journal of Tabriz University of Medical Sciences 2025, 47, 52-61.

16. Asgharzadeh, V.; Rezaei, S.A.S.; Asgharzadeh, M.; Rashedi, J.; Kafil, H.S.; Nobari, H.J.; Khalili, A.A.; Raeisi, M.; Ozma, M.A.; Poor, B.M. Host Risk Factors for Tuberculosis. Infectious Disorders-Drug Targets 2025, 25, E18715265304343.

**2024:**

17. Zeynalzadeh, E.; Khodadadi, E.; Khodadadi, E.; Ahmadian, Z.; Kazeminava, F.; Rasoulzadehzali, M.; Kafil, H.S. Navigating the neurological frontier: Macromolecular marvels in overcoming blood-brain barrier challenges for advanced drug delivery. Heliyon 2024, 10.

18. Zahed, Z.; Hadi, R.; Imanzadeh, G.; Ahmadian, Z.; Shafiei, S.; Zadeh, A.Z.; Karimi, H.; Akbarzadeh, A.; Abbaszadeh, M.; Ghadimi, L.S. Kafil, H.S. Recent advances in fluorescence nanoparticles “quantum dots” as gene delivery system: a review. International Journal of Biological Macromolecules 2024, 254, 127802.

19. Yousefi, L.; Shirmohammadi, M.; Moaddab, S.Y.; Feizi, H.; Rezaei, T.; Ghotaslou, R.; Pirzadeh, T.; Sadeghi, J.; Rezaee, M.A.; Samadi, H. spoT Gene Association with Biofilm Formation and Antibiotic Resistance in Helicobacter pylori. 2024.

20. Yousefi, L.; Kadkhoda, H.; Shirmohammadi, M.; Moaddab, S.Y.; Ghotaslou, R.; Sadeghi, J.; Somi, M.H.; Rezaee, M.A.; Ganbarov, K.; Kafil, H.S. CRISPR-like sequences association with antibiotic resistance and biofilm formation in Helicobacter pylori clinical isolates. Heliyon 2024, 10.

21. Teymourlouei, S.M.; Khiabani, M.S.; Mokarram, R.R.; Ghiasifar, S.; Kafil, H.S. Covalent immobilization of Saccharomyces cerevisiae and Candida albicans cell walls for aflatoxin M1 bio‐detoxification. Journal of Food Safety 2024, 44, e13096.

22. Sarabandi, K.; Dashipour, A.; Akbarbaglu, Z.; Peighambardoust, S.H.; Ayaseh, A.; Kafil, H.S.; Jafari, S.M.; Mousavi Khaneghah, A. Incorporation of spray‐dried encapsulated bioactive peptides from coconut (Cocos nucifera L.) meal by‐product in bread formulation. Food Science & Nutrition 2024, 12, 4723-4734.

23. Pirghazani, A.; Katebi, H.; Samadi Kafil, H.; Fahmi, A. Sand Improvement by Surface Percolation Method Using Urease‐Containing Substance Extracted from Soybean Seed. Applied and Environmental Soil Science 2024, 2024, 4134212.

24. Ozma, M.A.; Moaddab, S.R.; Hosseini, H.; Khodadadi, E.; Ghotaslou, R.; Asgharzadeh, M.; Abbasi, A.; Kamounah, F.S.; Aghebati Maleki, L.; Ganbarov, K. A Kafil, H.S.; critical review of novel antibiotic resistance prevention approaches with a focus on postbiotics. Critical Reviews in Food Science and Nutrition 2024, 64, 9637-9655.

25. Ozma, M.A.; Ghotaslou, R.; Asgharzadeh, M.; Abbasi, A.; Rezaee, M.A.; Kafil, H.S. Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli. Letters in Applied Microbiology 2024, 77, ovae084.

26. Özgüler, M.; Temel, E.N.; Şahin, A.; Büyütuna, S.A.; Öz, M.; Singil, S.; Şenbayrak, S.; Erol, S.; Kiratli, K.; Dindar, E.K. Kafil, H.S.; Antibiotic combinations in treatment of infections developed with difficult-to-treat bacterias and treatment response. Reviews and Research in Medical Microbiology 2024, 10.1097.

27. Nezhadi, J.; Fadaee, M.; Ahmadi, S.; Kafil, H.S. Microbiota transplantation. Heliyon 2024, 10.

28. Nezhadi, J.; Ahangarzadeh Rezaee, M.; Asghari Ozma, M.; Ganbarov, K.; Samadi Kafil, H. Gut microbiota exchange in domestic animals and rural-urban people axis. Current Pharmaceutical Biotechnology 2024, 25, 825-837.

29. Mohammadpour, D.; Memar, M.Y.; Kafil, H.S.; Hasani, A.; Rezaee, M.A.; Ghotaslou, A.; Leylabadlo, H.E.; Nabizadeh, E.; Kadkhoda, H.; Ghotaslou, R. Detection of carbapenemases activity in MDR isolates of Klebsiella pneumoniae by mCIM method and carbapenem resistance genes blaVIM, blaIMP, blaNDM, blaKPC-2 and blaOXA-48. 2024.

30. Kazeminava, F.; Javanbakht, S.; Zabihi, M.; Abbaszadeh, M.; Fakhrzadeh, V.; Kafil, H.S.; Ahmadian, Z.; Joulaei, M.; Zahed, Z.; Motavalizadehkakhky, A. Crosslinking chitosan with silver-sulfur doped graphene quantum dots: An Efficient antibacterial nanocomposite hydrogel films. Journal of Polymers and the Environment 2024, 32, 213-224.

31. Kazeminava, F.; Beheshti, S.; Monavari, N.; Afkari, R.; Abbaszadeh, M.; Motavalizadehkakhky, A.; Kafil, H.S.; Ahmadian, Z.; Javanbakht, S. Synthesis of novel antibacterial and biocompatible colistin-loaded cellulose/manganese oxide nanocomposite hydrogel film. Journal of Polymers and the Environment 2024, 32, 430-440.

32. Kashefieh, M.; Zeighami, H.; Samadi Kafil, H.; Gholizadeh, P.; Sadeghi, J.; Soroush Barhaghi, M.H.; Ebrahimzadeh Leylabadlo, H.; Ghotaslou, R. Molecular typing of clinical multidrug-resistant Klebsiella pneumoniae isolates. Molecular Biology Reports 2024, 51, 416.

33. Kadkhoda, H.; Gholizadeh, P.; Kafil, H.S.; Ghotaslou, R.; Pirzadeh, T.; Rezaee, M.A.; Nabizadeh, E.; Feizi, H.; Aghazadeh, M. Role of CRISPR-Cas systems and anti-CRISPR proteins in bacterial antibiotic resistance. Heliyon 2024, 10.

34. Kadkhoda, H.; Gholizadeh, P.; Ghotaslou, R.; Pirzadeh, T.; Ahangarzadeh Rezaee, M.; Nabizadeh, E.; Feizi, H.; Samadi Kafil, H.; Aghazadeh, M. Prevalence of the CRISPR-cas system and its association with antibiotic resistance in clinical Klebsiella pneumoniae isolates. BMC Infectious Diseases 2024, 24, 554.

35. Hosseinzadeh, A.; Kafil, H.S.; Rajabi, J.; Leylabadlo, H.E.; Bialvaei, A.Z.; Soleiman-Meigooni, S. Evaluation of PA0756 and toxA Gene Expression in Clinical Isolates of Pseudomonas aeruginosa and Its Comparison Between Biofilm-Producing and Planktonic Isolates. Annals of Military and Health Sciences Research 2024, 22.

36. Hoseinpour, R.; Hasani, A.; Baradaran, B.; Abdolalizadeh, J.; Salehi, R.; Hasani, A.; Nabizadeh, E.; Yekani, M.; Hasani, R.; Kafil, H.S. Tuberculosis vaccine developments and efficient delivery systems: A comprehensive appraisal. Heliyon 2024, 10.

37. Hajigha, M.N.; Hajikhani, B.; Vaezjalali, M.; Kafil, H.S.; Anari, R.K.; Goudarzi, M. Antiviral and antibacterial peptides: Mechanisms of action. Heliyon 2024, 10.

38. Gholizadeh, P.; Faghfuri, E.; Ganbarov, K.; Kafil, H.S. Exploiting CRISPR/Cas system in controlling antibiotic resistance of bacteria. BioSocial Health journal 2024, 1, 61-63.

39. Feizi, H.; Plotnikov, A.; Rezaee, M.A.; Ganbarov, K.; Kamounah, F.S.; Nikitin, S.; Kadkhoda, H.; Gholizadeh, P.; Pagliano, P.; Kafil, H.S. Postbiotics versus probiotics in early-onset colorectal cancer. Critical Reviews in Food Science and Nutrition 2024, 64, 3573-3582.

40. Feizi, H.; Alizadeh, M.; Azimi, H.; Khodadadi, E.; Kamounah, F.S.; Ganbarov, K.; Ghotaslou, R.; Rezaee, M.A.; Kafil, H.S. Induction of proteome changes involved in the cloning of mcr-1 and mcr-2 genes in Escherichia coli DH5-α strain to evaluate colistin resistance. Journal of Global Antimicrobial Resistance 2024, 36, 151-159.

41. Faezi, N.A.; Zeinalzadeh, E.; Köse, Ş.; Khodadadi, E.; Fathizadeh, H.; Ganvarov, K.; Kafil, H.S. Derma microbiota and skin diseases. Reviews and Research in Medical Microbiology 2024, 10.1097.

42. Binazir, E.; Ghanbarzadeh, B.; Hanifian, S.; Gharekhani, M.; Kafil, H.S.; Falcone, P.M. Development and optimization of thyme-pennyroyal essential oils based active nanostructured lipid carrier (NLC) containing saffron extract with antioxidant and antimicrobial properties. Food Bioscience 2024, 61, 104992.

43. Bahloli, M.; Kafil, H.S.; Asl, P.R.; Rashidi, N.; Moaddab, S.R. Evaluation of Antimicrobial Susceptibility in Extended-Spectrum β-Lactamase Producing Escherichia coli Isolates From Patients in Northwest Iran. Avicenna Journal of Clinical Microbiology and Infection 2024, 11, 22-27.

44. Asadi Faezi, N.; Zeinalzadeh, E.; Köse, Ş.; Khodadadi, E.; Fathizadeh, H.; Ganvarov, K.; Kafil, H.S. Derma microbiota and skin diseases. Reviews and Research in Medical Microbiology 2024.

45. Akbarbaglu, Z.; Sarabandi, K.; Peighambardoust, S.H.; Sarabandi, R.; Kafil, H.S.; Hesarinejad, M.A. Enzymatic modification of cold pressed coconut meal protein: nutritional, functional and biological properties. Sustainable Food Technology 2024, 2, 1545-1557.

46. Abbasi, A.; Hashemi, M.; Pourjafar, H.; Hosseini, S.M.; Kafil, H.S.; Rad, A.H.; Taghizadeh, M.; Hosseini, H. Chemical Characterization, Cell‐Based Safety, and Antioxidant Assessments of Lactobacillus helveticus Postbiotics and Their Potential Antibacterial Effects and Mode of Action Against Food‐Borne Multidrug‐Resistant Staphylococcus aureus and Enterohaemorrhagic Escherichia coli O157: H7. Journal of Food Safety 2024, 44, e13174.

47. Abbasi, A.; Hashemi, M.; Kafil, H.S.; Astamal, M.A.; Lahouty, M.; Tajani, A.G.; Hosseini, H.; Nasirifar, S.Z. A critical review on the bioavailability promotion of the food bioactive compounds: nano lipid carriers perspective. Pharmaceutical Sciences 2024, 30, 282-303.

**2023:**

48. Ozma, M.A.; Abbasi, A.; Ahangarzadeh Rezaee, M.; Hosseini, H.; Hosseinzadeh, N.; Sabahi, S.; Noori, S.M.A.; Sepordeh, S.; Khodadadi, E.; Lahouty, M. A. Kafil, H.S.; critical review on the nutritional and medicinal profiles of garlic’s (Allium sativum L.) bioactive compounds. Food Reviews International 2023, 39, 6324-6361.

49. Nezhad-Mokhtari, P.; Kazeminava, F.; Abdollahi, B.; Gholizadeh, P.; Heydari, A.; Elmi, F.; Abbaszadeh, M.; Kafil, H.S. Matricaria chamomilla essential oil-loaded hybrid electrospun nanofibers based on polycaprolactone/sulfonated chitosan/ZIF-8 nanoparticles for wound healing acceleration. International Journal of Biological Macromolecules 2023, 247, 125718.

50. Nabizadeh, E.; Memar, M.Y.; Hamishehkar, H.; Ghanbari, H.; Kadkhoda, H.; Asnaashari, S.; Kafil, H.S.; Varshochi, M.; Mostafazadeh, M.; Hosseinpour, R. Short‐chain fatty acids profile in patients with SARS‐CoV‐2: a case‐control study. Health Science Reports 2023, 6, e1411.

51. Mollazadeh-Narestan, Z.; Yavarikia, P.; Homayouni-Rad, A.; Samadi Kafil, H.; Mohammad-Alizadeh-Charandabi, S.; Gholizadeh, P.; Mirghafourvand, M. Comparing the effect of probiotic and fluconazole on treatment and recurrence of vulvovaginal candidiasis: a triple-blinded randomized controlled trial. Probiotics and Antimicrobial Proteins 2023, 15, 1436-1446.

52. Malekmohammadi, M.; Ghanbarzadeh, B.; Hanifian, S.; Samadi Kafil, H.; Gharekhani, M.; Falcone, P.M. The gelatin-coated nanostructured lipid carrier (NLC) containing Salvia officinalis extract: optimization by combined D-optimal design and its application to improve the quality parameters of beef burger. Foods 2023, 12, 3737.

53. Khiabani, S.A.; Haghighat, S.; Khosroshahi, H.T.; Asgharzadeh, M.; Kafil, H.S. Diversity of Bacteroidaceae family in gut microbiota of patients with chronic kidney disease and end stage renal disease. Health Promotion Perspectives 2023, 13, 237.

54. Khiabani, S.A.; Asgharzadeh, M.; Kafil, H.S. Chronic kidney disease and gut microbiota. Heliyon 2023, 9.

55. Hashemi, M.; Salayani, M.; Afshari, A.; Kafil, H.S.; Noori, S.M. The global burden of viral food-borne diseases: a systematic review. Current Pharmaceutical Biotechnology 2023, 24, 1657-1672.

56. Hajiagha, M.N.; Kafil, H.S. Efflux pumps and microbial biofilm formation. Infection, Genetics and Evolution 2023, 112, 105459.

57. Ghasemian, M.; Kazeminava, F.; Naseri, A.; Mohebzadeh, S.; Abbaszadeh, M.; Kafil, H.S.; Ahmadian, Z. Recent progress in tannic acid based approaches as a natural polyphenolic biomaterial for cancer therapy: A review. Biomedicine & Pharmacotherapy 2023, 166, 115328.

58. Ghaffari, S.; Abbasi, A.; Somi, M.H.; Moaddab, S.Y.; Nikniaz, L.; Kafil, H.S.; Ebrahimzadeh Leylabadlo, H. 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 2023, 63, 7357-7377.

59. Fakhri, E.; Samadi Kafil, H.; Naghizadeh, M.; Eslami, H.; Sefidan, F.Y. Antimicrobial effect of grape seed extract as a potential intracanal medicament combined with Nd: YAG laser. Australian Endodontic Journal 2023, 49, 209-216.

60. Bakhshizadeh, M.; Ayaseh, A.; Hamishehkar, H.; Kafil, H.S.; Moghaddam, T.N.; Haghi, P.B.; Tavassoli, M.; Amjadi, S.; Lorenzo, J.M. Multifunctional performance of packaging system based on gelatin/alove vera gel film containing of rosemary essential oil and common poppy anthocyanins. Food Control 2023, 154, 110017.

61. Asgharzadeh, V.; Valiollahzadeh, M.R.; Taghinejad, Z.; Asgharzadeh, M.; Rashedi, J.; Nobari, H.J.; Khalili, A.A.; Khairy, Y.; Mazhari, A.A.M. Kafil, H.S.; COVID-19 and Diabetes. Acta Medica Iranica 2023, 257-263.

62. Asgharzadeh, M.; Rashedi, J.; Poor, B.M.; Asgharzadeh, V.; SamadiKafil, H.; Taghinejad, Z.; Pashazadeh, F.; Kazemi, A.; Abolhasanpour, N. The COVID-19 outbreak in Iran: its lessons for us. Biomedical Research Bulletin 2023, 1, 148-153.

63. Ahmadian, Z.; Kazeminava, F.; Afrouz, M.; Abbaszadeh, M.; Mehr, N.T.; Shiran, J.A.; Gouda, C.; Adeli, M.; Kafil, H.S. A review on the impacts of metal/metal nanoparticles on characteristics of hydrogels: Special focus on carbohydrate polymers. International Journal of Biological Macromolecules 2023, 253, 126535.

64. Abbasi, A.; Rad, A.H.; Maleki, L.A.; Kafil, H.S.; Baghbanzadeh, A. Antigenotoxicity and cytotoxic potentials of cell-free supernatants derived from Saccharomyces cerevisiae var. boulardii on HT-29 human colon cancer cell lines. Probiotics and Antimicrobial Proteins 2023, 15, 1583-1595.

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67. Rezaei, T.; Kamounah, F.S.; Khodadadi, E.; Mehramouz, B.; Gholizadeh, P.; Yousefi, L.; Ganbarov, K.; Ghotaslou, R.; Yousefi, M.; Asgharzadeh, M. Samadi kafil, H.; Comparing proteome changes involved in biofilm formation by Streptococcus mutans after exposure to sucrose and starch. Biotechnology and Applied Biochemistry 2023.

68. Parhizkar, F.; Yousefi, M.; Soltani‐Zangbar, M.S.; Parhizkar, Z.; Aghebati‐Maleki, L.; Abbaspour‐Ravasjani, S.; Motavalli, R.; Alizadegan, A.; Mojahedi, M.; Baharaghdam, S. Kafil , H.S.; Sirolimus‐and cyclosporine‐loaded nanostructured lipid carriers: Development, characterization, and in vitro evaluation in T‐cell profiles of patients with a history of recurrent pregnancy loss. Reproductive Medicine and Biology 2023, 22, e12509.

69. Nazari, M.; Majdi, H.; Gholizadeh, P.; Kafil , H.S.; Hamishehkar, H.; Zarchi, A.A.K.; Khoddami, A. An eco-friendly chitosan/cellulose acetate hybrid nanostructure containing Ziziphora clinopodioides essential oils for active food packaging applications. International Journal of Biological Macromolecules 2023, 235, 123885.

70. Nabizadeh, E.; Sadeghi, J.; Ahangarzadeh Rezaee, M.; Hasani, A.; Samadi kafil , H.; Ghotaslou, A.; Kadkhoda, H.; Ghotaslou, R. Interaction Between Altered Gut Microbiota and Sepsis: A Hypothesis or an Authentic Fact? Journal of Intensive Care Medicine 2023, 38, 121-131.

71. Motallebnezhad, M.; Hazrati, A.; Ghaleh, H.E.G.; Jonaidi-Jafari, N.; Abbaspour-Aghdam, S.; Malekpour, K.; Yousefi, M.; Kafil , H.S.; Jadidi-Niaragh, F.; Roshangar, L. Exosomes from Adipose Tissue-derived Mesenchymal Stem Cells Induce Regulatory T Cells in COVID‐19 Patients. Iranian Journal of Allergy, Asthma and Immunology 2023, 1-12.

72. Köse, S.; Mandiracioglu, A.; Özbel, Y.; Zeyrek, S.; Akdeniz, D.D.; Kafil , H.S. Covid-19 vaccination acceptance and hesitancy among the Turkish adult population. GMS Hygiene and Infection Control 2023, 18.

73. Khani, N.; Shkouhian, S.m.j.; Kafil , H.S.; Gilani, N.; Abbasi, A.; Rad, A.H. Assessing the growth-inhibitory activity of postbiotics of Lactobacillus spp. against Staphylococcus aureus under in vitro circumstances and food model. Letters in Applied Microbiology 2023, 76, ovac056.

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