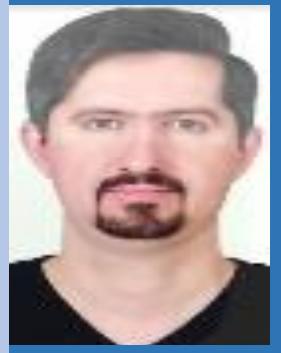


SOBHN GHAFOURIAN



CONTACT

Sobhan.ghafourian@gmail.com
+98-938—927-8221

RESEARCH INTEREST

Toxin antitoxin systems

Antimicrobial Resistance

Biofilm formation

Persister cells and

Heteroresistance

Probiotics

anticancer

EDUCATION

BSC Azad Islamic University of Arak
2000 – 2004
Microbiology

MSC University Putra Malaysia
2007 – 2011
Medical Microbiology

PhD University Putra Malaysia
2011 – 2014
Medical Microbiology

My interested research topic in my laboratory focuses to: antibiotic resistance bacteria, Persister cells, Biofilm formation and Toxin -antitoxin (TA) systems. We focus to new antimicrobial agents and also the genetic could regulate the antimicrobial failure in acute and chronic bacterial infections. Many of genes that responsible for antibiotic resistance, biofilm formation and possible persister cells are under regulation of TA genes. By silencing of these TA loci by different methods, it is possible to suggest these TA loci as novel antimicrobial targets.

- 2024 -now • Professor in the Department of Microbiology at Ilam University of Medical Sciences. Research Projects: persister cells, biofilm formation in chronic infections
- 2020 -2024 • Associate Professor in the Department of Microbiology at Ilam University of Medical Sciences. Research Projects: Gene regulation during bacterial biofilm development by TA gene knockout and bacterial persister and heteroresistance.
- 2015 -2019 • Assistant Professor in the Department of Microbiology at Ilam University of Medical Sciences. Research Projects: bacterial biofilm development, antibiotic resistance, Peptide Nucleic Acid (PNA) as antisense therapy against TA genes and control of pathogenesis of bacteria and natural products against antibiotic resistance bacteria.
- 2005 -2007 • Laboratory manager in Microbiology division of Main Laboratory in Ilam University of Medical Sciences, Ilam, Iran.

HONORS AND MEMBERSHIPS

- Member American Society for Microbiology
- Top Researcher of the Year, (IUMS) (2014, 2015 and 2016)
 - Member Iranian Society for Microbiology

2015 -present

TEACHING EXPERIENCE

- **Lectures:** Molecular diagnosis, Bacterial Pathogenesis, Medical Microbiology, Prokaryotic molecular genetics, molecular biology techniques, genetic engineering, Diagnostic bacteriology for undergraduate and postgraduate and medical students

PUBLICATIONS

Scopus

EXPORT DATE: Feb 2024

1. Heidari H, Moradkasani S, Ghanavati R, Kalantar-Neyestanaki M, Kouhsari E, **Ghafourian S**, et al. Bedaquiline and delamanid treatment outcomes among patients with drug-resistant tuberculosis: a systematic review and meta-analysis. *Minerva Respir Med* 2024;63:16-24.
2. Asadinezhad M, Pakzad I, Asadollahi P, **Ghafourian S**, Kalani BS. Proteomics Exploration of Brucella melitensis to Design an Innovative Multi-Epitope mRNA Vaccine. *Bioinform Biol Insights*. 2024 Aug 30;18:11779322241272404.
3. Etemad A, Kalani BS, **Ghafourian S**, Khodaei N, Davari M, Sadeghifard N. GNAT toxin may have a potential role in Pseudomonas aeruginosa persistence: an in vitro and in silico study. *Future Microbiol*. 2024 Jan;19:21-31.
4. Asadinezhad M, Khoshnood S, Asadollahi P, **Ghafourian S**, Sadeghifard N, Pakzad I, Zeinivand Y, Omidi N, Hematian A, Kalani BS. Development of innovative multi-epitope mRNA vaccine against Pseudomonas aeruginosa using in silico approaches. *Brief Bioinform*. 2023 Nov 22;25(1):
5. Valadbeigi H, Sadeghifard N, Kaviar VH, Haddadi MH, **Ghafourian S**, Maleki A. Effect of ZnO nanoparticles on biofilm formation and gene expression of the toxin-antitoxin system in clinical isolates of Pseudomonas aeruginosa. *Ann Clin Microbiol Antimicrob*. 2023 Oct 5;22(1):89.
6. Ghasemian, S., Karami-Zarandi, M., Heidari, H., Khoshnood, S., Kouhsari, E., **Ghafourian, S.**, Maleki, A., Kazemian, H. Molecular characterizations of antibiotic resistance, biofilm formation, and virulence determinants of Pseudomonas aeruginosa isolated from burn wound infection (2023) *Journal of Clinical Laboratory Analysis*, 37 (4), art. no. e24850, .
7. Kouhsari, E., Sadeghifard, N., Khadiv, A., Sayadi, H., Amiriani, T., **Ghafourian, S.**, Valadbeigi, H., Krutova, M. Heteroresistance to clarithromycin and metronidazole in patients with a *Helicobacter pylori* infection: a systematic review and meta-analysis (2022) *Annals of Clinical Microbiology and Antimicrobials*, 21 (1), art. no. 19, . Cited 4 times.
8. Dolatshahi, Z., Nargesi, S., Sadeghifar, J., Mezginejad, F., Jafari, A., Bazyar, M., **Ghafourian, S.**, Sani'ee, N. Economic evaluation of laboratory diagnostic test types in Covid-19 epidemic: A systematic review (2022) *International Journal of Surgery*, 105, art. no. 106820, . Cited 2 times.
9. **Ghafourian, S.**, Ghafourian, E., Zarei, S.M., ... Wang, Y.-H., Shokoohinia, Y. Bioassay-guided isolation of phenolic apoptosis inducer anticancer agents from Berberis vulgaris fruits. *Journal of Medicinal Plants*, 2022, 21(83), pp. 35–46
10. Mahmoudi, M., Sadeghifard, N., Maleki, A., Yeo, C.C., **Ghafourian, S***. relBE toxin-antitoxin system as a reliable anti-biofilm target in *Pseudomonas aeruginosa*. (2022) *Journal of Applied Microbiology*, 133 (2), pp. 683-695. Cited 1 time.

11. Asadollahi, P., Pakzad, I., **Ghafourian, S.**, Kazemian, H., Fatahi, R., Sadeghifard, N., Kalani, B.S. In silico Investigation of Lon Protease as a Promising Therapeutic Target.(2022) *Drug Research*, 72 (4), pp. 180-188. Cited 1 time.
12. Tahmasebi, Z., Asadollahi, P., Sadeghifard, N., **Ghafourian, S.**, Kalani, B.S., Kalaei, E.G.P., Pakzad, I. Microbiological and drug resistance patterns of bronchoalveolar lavage samples taken from hospitalized patients in Iran (2022) *GERMS*, 12 (3), pp. 333-343.
13. Norouzi, M., Maleki, A., Aboualigalehdari, E., **Ghafourian, S***.TYPE II TOXIN- ANTITOXIN SYSTEMS IN CLINICAL ISOLATES OF ANTIBIOTIC RESISTANT *Acinetobacter baumannii* [TOKSIN TIPA II - ANTITOKSIN SISTEMI U KLINIČKIM IZOLATIMA OTPORNI NA ANTIBIOTIK *Acinetobacter baumannii*] (2022) *Genetika*, 54 (2), pp. 625-632.
14. Asadollahi, P., Pakzad, I., Sadeghifard, N., **Ghafourian, S.**, Kazemian, H., Kaviar, V.H., Fattah, R., Kalani, B.S. Immunoinformatics Insights into the Internalin A and B Proteins to Design a Multi-Epitope Subunit Vaccine for *L. monocytogenes* (2022) *International Journal of Peptide Research and Therapeutics*, 28 (1), art. no. 47, . Cited 4 times.
15. Kazemian, H., Zarandi, M.K., Zargoush, Z., **Ghafourian, S.**, Sadeghifard, N., Jalilian, A., Shafieian, M., Pakzad, I. The prevalence of gonococcal and non-gonococcal infections in women referred to obstetrics and gynecology clinics (2022) *Infezioni in Medicina*, 30 (2), pp. 247-253.
16. Norouzi, M., Mahmoudi, M., Maleki, A., **Ghafourian, S***. Novel Antimicrobial Target in *Acinetobacter Baumannii* (2022) *Clinical Laboratory*, 68 (5), pp. 2305-2308.
17. Bayatipour, Z., Sadeghifard, N., **Ghafourian, S.**, Kalani, B.S., Asadollahi, P., Azizi-Jalilian, F., Pakzad, I. Effect of Chlorhexidine (CHX) and Hydrogen Peroxide (H₂O₂) on the Biofilm Formation of *Enterococcus faecalis* (2022) *Clinical Laboratory*, 68 (4), pp. 673-680.
18. Jalili, M., Pakzad, I., **Ghafourian, S***., Badakhsh, B. In vitro Eradication of *Pseudomonas aeruginosa* Persister Cell Producers by *Peganum harmala* (2022) *Clinical Laboratory*, 68 (2), pp. 334-339. Cited 1 time.
19. Mohammadi, F., Yousefi, J.V., Harzandi, N., **Ghafourian, S.** Identification of *Enterococcus faecalis* in Different Clonal Lineages with the Pulsed-Field Gel Electrophoresis Method in Imam Khomeini Hospital, Ilam, Iran (2021) *Jundishapur Journal of Microbiology*, 14 (12), art. no. e118955, .
20. Hematian, A., Goudarzi, H., Ghalavand, Z., Goudarzi, M., Shafieian, M., Hashemi, A., **Ghafourian, S***. The relationship between phoH and colistin-heteroresistant in clinical isolates of *Acinetobacter baumannii* (2021) *Gene Reports*, 25, art. no. 101356, . Cited 2 times.
21. Bastam, M.M., Jalili, M., Pakzad, I., Maleki, A., **Ghafourian, S***.Pathogenic bacteria in cheese, raw and pasteurised milk (2021) *Veterinary Medicine and Science*, 7 (6), pp. 2445-2449. Cited 3 times.
22. Kazemian, H., Heidari, H., Kardan-Yamchi, J., **Ghafourian, S.**, Pakzad, I., Kouhsari, E., Valadbeigi, H., Sadeghifard, N. Comparison of toxin-antitoxin expression among drug-susceptible and drug-resistant clinical isolates of *Mycobacterium tuberculosis* (2021) *Advances in Respiratory Medicine*, 89 (2), pp. 110-114. Cited 3 times.
23. Bahmanejad, P., **Ghafourian, S.**, Mahmoudi, M., Maleki, A., Sadeghifard, N., Badakhsh, B. Persister cells as a possible cause of antibiotic therapy failure in *Helicobacter pylori*(2021) *JGH Open*, 5 (4), pp. 493-497. Cited 5 times.

24. Taherikalani, M., **Ghafourian, S***. Anticancer properties of colicin E7 against colon cancer (2021) *Przeglad Gastroenterologiczny*, 16 (4), pp. 364-368. Cited 4 times.
25. Bastam, M.M., Jalili, M., Sadeghifard, N., Pakzad, I., Taherikalani, M., **Ghafourian, S***. Evaluation of microbial profile of milk and some dairy products in Ilam, west of Iran (2021) *Open Public Health Journal*, 14 (1), pp. 1-6. Cited 1 time.
26. Mohamadian, M., Sadeghifard, N., **Ghafourian, S.**, Pakzad, I., Badakhsh, B. Biofilm formation in Methicillin Resistant *Staphylococcus aureus* (2020) *Gene Reports*, 21, art. no. 100923.
27. Maleki, A., Mansournia, F., **Ghafourian, S.**, Taherikalani, M., Pakzad, I., Mohammadi, J., Kouhsari, E., Mahmoudi, M., Sadeghifard, N. Rapid and direct molecular detection of *Streptococcus pneumoniae* and *Haemophilus influenzae* isolated in oropharynx and nasal cavity of children (2020) *New Microbes and New Infections*, 33, art. no. 100632, . Cited 2 times.
28. Alhusseini, L.B., Maleki, A., Kouhsari, E., **Ghafourian, S.**, Mahmoudi, M., Al Marjani, M.F. Evaluation of type II toxin-antitoxin systems, antibiotic resistance, and biofilm production in clinical MDR *Pseudomonas aeruginosa* isolates in Iraq (2019) *Gene Reports*, 17, art. no. 100546, . Cited 8 times.
29. Kazemian, H., Heidari, H., Ghanavati, R., **Ghafourian, S.**, Yazdani, F., Sadeghifard, N., Valadbeigi, H., Maleki, A., Pakzad, I. Phenotypic and Genotypic Characterization of ESBL-, AmpC-, and Carbapenemase-Producing *Klebsiella pneumoniae* and *Escherichia coli* Isolates (2019) *Medical Principles and Practice*, 28 (6), pp. 547-551. Cited 33 times.
30. Jalili, M., Amraei, M., Sadeghifard, N., **Ghafourian, S***.Evaluation of biofilm formation and anti-biofilm properties of Peganum harmala and Crocus sativus in *Shigella flexneri* clinical isolates(2019) *Open Microbiology Journal*, 13 (1), pp. 297-300. Cited 2 times.
31. Valadbeigi, H., Esmaeeli, E., **Ghafourian, S.**, Maleki, A., Sadeghifard, N. Molecular analysis of uropathogenic *E.coli* isolates from urinary tract infections (2019) *Infectious Disorders - Drug Targets*, 19 (3), pp. 315-318. Cited 3 times.
32. Maleki, A., **Ghafourian, S.**, Taherikalani, M., Soroush, S. Alarming and threatening signals from health centers about multi drug resistance *Staphylococcus haemolyticus* (2019) *Infectious Disorders - Drug Targets*, 19 (2), pp. 118-127. Cited 2 times.
33. Rezaee, M., **Ghafourian, S.**, Sayehmiri, F., Pakzad, R., Safiri, S., Pakzad, I. Prevalence of cotrimoxazole resistance uropathogenic bacteria in Iran: A systematic review and meta-analysis(2018) *Archives of Clinical Infectious Diseases*, 13 (5), art. no. e63256, . Cited 5 times.
34. Bimanand, L., Taherikalani, M., Jalilian, F.A., Sadeghifard, N., **Ghafourian, S.**, Mahdavi, Z., Mohamadi, S., Sayehmiri, K., Hematian, A., Pakzad, I. Association between biofilm production, adhesion genes and drugs resistance in different SCCmec types of methicillin resistant *Staphylococcus aureus* strains isolated from several major hospitals of Iran (2018) *Iranian Journal of Basic Medical Sciences*, 21 (4), pp. 400-403. Cited 19 times.
35. Kazemian, H., **Ghafourian, S.**, Sadeghifard, N., Houshmandfar, R., Badakhsh, B., Taji, A., Shavalipour, A., Mohebi, R., Ebrahim-Saraie, H.S., Houri, H., Heidari, H. In vivo antibacterial and

- wound healing activities of Roman chamomile (*Chamaemelum nobile*) (2018) *Infectious Disorders - Drug Targets*, 18 (1), pp. 41-45. Cited 15 times.
36. Zayyen, K.M., Rastegar-Lari, A., **Ghafourian, S.**, Taherikalani, M., Sadeghifard, N., Jalilian, F.A., Badakhsh, B., Hematian, A., Pakzad, I. Mutation and efflux system are responsible for ciprofloxacin resistance in *Klebsiella pneumoniae* (2018) *West Indian Medical Journal*, 67 (3), pp. 226-228.
37. Esmaili, K., Mohebi, R., Sadeghifard, N., Taherikalani, M., Pakzad, I., Maleki, A., Valadbeigi, H., **Ghafourian, S***. What about urinary tract infections and its antibiotic resistance bacteria in Ilam, Iran? (2018) *Infectious Disorders - Drug Targets*, 18 (3), pp. 214-217. Cited 1 time.
38. Maleki, A., **Ghafourian, S.**, Pakzad, I., Badakhsh, B., Sadeghifard, N. MazE antitoxin of toxin antitoxin system and fbpa as reliable targets to eradication of *Neisseria meningitidis* (2018) *Current Pharmaceutical Design*, 24 (11), pp. 1204-1210. Cited 9 times.
39. Ghafourian E, Sadeghifard N, Pakzad I, Valizadeh N, Maleki A, Jafari F, Ghasvand N, Abdi J, Shokoohinia Y, **Ghafourian S***. Ethanolic Extract of *Berberis vulgaris* Fruits Inhibits the Proliferation of MCF-7 Breast Cancer Cell Line Through Induction of Apoptosis. (2017) *Infect Disord Drug Targets*, 17(3):192-198.
40. Valizadeh, N., Valian, F., Sadeghifard, N., Karami, S., Pakzad, I., Kazemian, H., **Ghafourian, S***. The Role of Peganum harmala Ethanolic Extract and Type II Toxin Antitoxin System in Biofilm Formation (2017) *Drug Research*, 67 (7), pp. 385-387. Cited 1 time.
41. Maleki, A., Ghafourian, S., Badakhsh, B., Pakzad, I., Sadeghifard, N. Novel information about *Neisseria meningitidis*: Identification of the most important type II toxin antitoxin systems (2017) *Infectious Disorders - Drug Targets*, 17 (2), pp. 81-85. Cited 1 time.
42. Rafieian-Kopaei, M., Saki, K., Bahmani, M., **Ghafourian, S.**, Sadeghifard, N., Taherikalani, M. Listeriosis Phytotherapy: A Review Study on the Effectiveness of Iranian Medicinal Plants in Treatment of Listeriosis (2017) *Journal of Evidence-Based Complementary and Alternative Medicine*, 22 (2), pp. 278-283. Cited 2 times.
43. Raftari, M., **Ghafourian, S.**, Abu Bakar, F. Simultaneous lactic acidification and coagulation by using recombinant *Lactococcus lactis* strain (2017) *Journal of Applied Microbiology*, 122 (4), pp. 1009-1019. Cited 1 time.
44. Hemati, S., **Ghafourian, S.**, Sadeghifard, N., Mahdavi, Z., Maleki, A., Sayehmiri, F., Sayehmiro, K., Bogdanović, L., Taherikalani, M. 3rd generation of cephalosporins and monobactam resistant among pathogenic bacteria collected from Ilam hospitals during 2008 to 2015: A systematic review and meta-analysis (2017) *Recent Patents on Anti-Infective Drug Discovery*, 12 (1), pp. 3-7.
45. Kazemian, H., Heidari, H., Ghanavati, R., Mohebi, R., **Ghafourian, S.**, Shavalipour, A., Taji, A., Houri, H. Characterization of antimicrobial resistance pattern and molecular analysis among extended spectrum β-lactamase-producing *Escherichia coli* (2016) *Pharmaceutical Sciences*, 22 (4), pp. 279-284. Cited 10 times.
46. Saidi, M., Sadeghifard, N., Kazemian, H., Sekawi, Z., Badakhsh, B., Friadian, S., **Ghafourian, S***. Ex Vivo Evaluation of *Thymus daenensis* as an Antioxidant and Antibacterial Medicinal Herb (2016) *Drug Research*, 66 (12), pp. 657-659. Cited 3 times.

47. Rajabi, S.K., Sohrabnezhad, S., **Ghafourian, S.** Fabrication of Fe₃O₄@CuO core-shell from MOF based materials and its antibacterial activity (2016) *Journal of Solid State Chemistry*, 244, pp. 160-163. Cited 27 times.
48. Valian, F., Sadeghifard, N., Pakzad, I., Valizadeh, N., Karami, S., Badakhsh, B., Sekawi, Z., Taherikalani, M., Valadbeigi, H., **Ghafourian, S***. The rationale behind antibiotic resistance pattern in *Klebsiella pneumoniae* (2016) *Tropical Biomedicine*, 33 (2), pp. 383-386.
49. Badakhsh, B., Sadeghifard, N., Taherikalani, M., Valian, F., Rostamzad, A., **Ghafourian, S***. Probiotics and different efficacy, how it can be managed? (2016) *Current Drug Therapy*, 11 (1), pp. 41-46.
50. Hematian, A., Sadeghifard, N., Mohebi, R., Taherikalani, M., Nasrolahi, A., Amraei, M., **Ghafourian, S***. Traditional and Modern Cell Culture in Virus Diagnosis (2016) *Osong Public Health and Research Perspectives*, 7 (2), pp. 77-82. Cited 72 times.
51. Aboualigalehdari, E., Sadeghifard, N., Taherikalani, M., Zargoush, Z., Tahmasebi, Z., Badakhsh, B., Rostamzad, A., **Ghafourian, S**., Pakzad, I. Anti-biofilm Properties of *Peganum harmala* against *Candida albicans* (2016) *Osong Public Health and Research Perspectives*, 7 (2), pp. 116-118. Cited 17 times.
52. Taherikalani, M., Hemati, S., Heidarzadi, K., Mahdavi, Z., Ghanbari, F., Mohamadi, M., **Ghafourian, S**., Varzi, A.M., Azizi Jalilian, F., Bogdanovic, L., Saki, K. Unexpectedly high occurrence of *Escherichia coli* and *Staphylococcus aureus* isolates from raw milk in Ilam, Western Iran(2015) *Journal of Biological Regulators and Homeostatic Agents*, 29 (4), pp. 859-863. Cited 3 times.
53. Ghasemi, A., **Ghafourian, S**., Vafaei, S., Mohebi, R., Farzi, M., Taherikalani, M., Sadeghifard, N. Cloning, Expression, and Purification of Hyperthermophile α-Amylase from *Pyrococcus woesei* (2015) *Osong Public Health and Research Perspectives*, 6 (6), pp. 336-340. Cited 4 times.
54. Akbariqomi, M., **Ghafourian, S**., Taherikalani, M., Mohammadi, S., Pakzad, I., Sadeghifard, N. Antibiotic susceptibility patterns of extended spectrum beta-lactamase and non extended spectrum beta-lactamase *Pseudomonas aeruginosa* clinical isolates (2015) *Recent Patents on Anti-Infective Drug Discovery*, 10 (2), pp. 128-133. Cited 3 times.
55. Hasanvand, A., **Ghafourian, S**., Taherikalani, M., Jalilian, F.A., Sadeghifard, N., Pakzad, I. Antiseptic resistance in methicillin sensitive and methicillin resistant *Staphylococcus aureus* isolates from some major hospitals, Iran (2015) *Recent Patents on Anti-Infective Drug Discovery*, 10 (2), pp. 105-112. Cited 15 times.
56. Bahmani, M., Shahinfard, N., Rafieian-Kopaei, M., Saki, K., Shahsavari, S., Taherikalani, M., **Ghafourian, S**., Baharvand-Ahmadi, B. Chicory: A review on ethnobotanical effects of *Cichorium intybus* L.(2015) *Journal of Chemical and Pharmaceutical Sciences*, 8 (4), pp. 672-682. Cited 28 times.
57. Delfan, B., Baharvand-Ahmadi, B., Bahmani, M., Mohseni, N., Saki, K., Rafieian-Kopaei, M., Shahsavari, S., Naghdi, N., Taherikalani, M., **Ghafourian, S**. An ethnobotanical study of medicinal plants used in treatment of kidney stones and kidney pain in Lorestan province, Iran (2015) *Journal of Chemical and Pharmaceutical Sciences*, 8 (4), pp. 693-699. Cited 14 times.
58. Bahmani, M., Sarrafchi, A., Shirzad, H., Shahinfard, N., Rafieian-Kopaei, M., Shahsavari, S., Baharvand-Ahmadi, B., Taherikalani, M., **Ghafourian, S**. Pharmaceutical, phytochemical, and

- economical potentials of *Glycyrrhiza glabra* L: A review (2015) *Journal of Chemical and Pharmaceutical Sciences*, 8 (4), pp. 683-692. Cited 20 times.
59. Kazemian, H., **Ghafourian, S.**, Heidari, H., Amiri, P., Yamchi, J.K., Shavalipour, A., Hour, H., Maleki, A., Sadeghifard, N. Antibacterial, anti-swarming and anti-biofilm formation activities of *Chamaemelum nobile* against *Pseudomonas aeruginosa* (2015) *Revista da Sociedade Brasileira de Medicina Tropical*, 48 (4), pp. 432-436. Cited 62 times.
60. Maleki, A., Khosravi, A., **Ghafourian, S.**, Pakzad, I., Hosseini, S., Ramazanzadeh, R., Sadeghifard, N. High Prevalence of AmpC β-Lactamases in Clinical Isolates of *Escherichia coli* in Ilam, Iran (2015) *Osong Public Health and Research Perspectives*, 6 (3), pp. 201-204. Cited 12 times.
61. Soheili, S., **Ghafourian, S.**, Sekawi, Z., Neela, V.K., Sadeghifard, N., Taherikalani, M., Khosravi, A., Ramli, R., Hamat, R.A. The mazEF toxin–antitoxin system as an attractive target in clinical isolates of *Enterococcus faecium* and *Enterococcus faecalis*(2015) *Drug Design, Development and Therapy*, 9, pp. 2553-2561. Cited 17 times.
62. Saedi, T.A., **Ghafourian, S.**, Jafarlou, M., Sabariah, M.N., Ismail, P., Eusni, R.M., Othman, F. BERBERIS VULGARIS FRUIT CRUDE EXTRACT AS A NOVEL ANTI-LEUKAEMIC AGENT(2015) *Journal of biological regulators and homeostatic agents*, 29 (2), pp. 395-399. Cited 2 times.
63. Karimfar, M.H., Niazvand, F., Haghani, K., **Ghafourian, S.**, Shirazi, R., Bakhtiyari, S. The protective effects of melatonin against cryopreservation-induced oxidative stress in human sperm(2015) *International Journal of Immunopathology and Pharmacology*, 28 (1), pp. 69-76. Cited 90 times.
64. Nazari, M.R., Sekawi, Z., Sadeghifard, N., Raftari, M., **Ghafourian, S***. Methicillin-resistant *Staphylococcus aureus*: A systematic review (2015) *Reviews and Research in Medical Microbiology*, 26 (1), pp. 1-7. Cited 5 times.
65. Mohammadi, F., **Ghafourian, S***., Mohebi, R., Taherikalani, M., Pakzad, I., Valadbeigi, H., Hatami, V., Sadeghifard, N. *Enterococcus faecalis* as multidrug resistance strains in clinical isolates in Imam Reza Hospital in Kermanshah, Iran (2015) *British Journal of Biomedical Science*, 72 (4), pp. 182-184. Cited 10 times.
66. Karimi, S., **Ghafourian, S.**, Kalani, M.T., Jalilian, F.A., Hemati, S., Sadeghifard, N. Association between toxin-antitoxin systems and biofilm formation (2015) *Jundishapur Journal of Microbiology*, 8 (1), art. no. e14540, 6 p. Cited 18 times.
67. Ghafourian, A., **Ghafourian, S.**, Sadeghifard, N., Mohebi, R., Shokohini, Y., Nezamoleslami, S., Hamat, R.A. Vitiligo: symptoms, pathogenesis and treatment (2014) *International journal of immunopathology and pharmacology*, 27 (4), pp. 485-489. Cited 21 times.
68. Kazemian, H., Shavalipour, A., Mohebi, R., **Ghafurian, S.**, Aslani, S., Maleki, A., Kardan, J., Heidari, H., Sadeghifard, N. Estimation of the parasitic infection prevalence in children with *Helicobacter pylori* infection in Ilam city (2012-2013)(2014) *Archives of Pediatric Infectious Diseases*, 2 (3), art. no. e15294, 3 p. Cited 9 times.
69. Soheili, S., **Ghafourian, S.**, Sekawi, Z., Neela, V., Sadeghifard, N., Ramli, R., Hamat, R.A. Wide distribution of virulence genes among *Enterococcus faecium* and *Enterococcus faecalis* clinical isolates(2014) *Scientific World Journal*, 2014, art. no. 623174, . Cited 26 times.

70. Ghafourian, S., Soheili, S., Aboualigalehdari, E., Sadeghifard, N., Mohebi, R., Maleki, A., Hamat, R.A., Hosseini, S., Sekawi, Z. Differential between multi-drug resistance pattern of extended spectrum β -lactamases producing *E. coli* and *K. pneumoniae* (2014) *Journal of Pure and Applied Microbiology*, 8 (SPEC. ISS. 1), pp. 85-89.
71. Hosseini, S., Maleki, A., Ghafourian, S., Fadavi, M.R., Valadbeigi, H., Shahmir, P., Kazemi, H., Ramazanzadeh, R., Soheili, S., Pakzad, I., Sadeghifard, N. Molecular characterization of AmpC β -lactamases among Klebsiella pneumoniae isolated from Ilam and Tehran hospitals, from Iran(2014) *Journal of Pure and Applied Microbiology*, 8 (3), pp. 2217-2220. Cited 1 time.
72. Ghafourian, S., Good, L., Sekawi, Z., Hamat, R.A., Soheili, S., Sadeghifard, N., Neela, V. The mazEF toxin-antitoxin system as a novel antibacterial target in *Acinetobacter baumannii*(2014) *Memorias do Instituto Oswaldo Cruz*, 109 (4), pp. 502-505. Cited 23 times.
73. Ghafourian, S., Sadeghifard, N., Soheili, S., Sekawi, Z. Extended spectrum beta-lactamases: Definition, classification and epidemiology (2014) *Current Issues in Molecular Biology*, 17 (1), pp. 11-22. Cited 155 times.
74. Valadbeigi, H., Tabatabaei, R.R., Malek, A., Sekawi, Z., Raftari, M., Parvaneh, K., Ghafourian, S., Sadeghifard, N. Genomic diversity and virulence genes among clinical isolates of *Pseudomonas aeruginosa*(2014) *Clinical Laboratory*, 60 (3), pp. 363-367. Cited 7 times.
75. Ghafourian, S., Raftari, M., Sadeghifard, N., Sekawi, Z. Toxin-antitoxin systems: Classification, biological function and application in biotechnology (2014) *Current Issues in Molecular Biology*, 16 (1), pp. 9-14. Cited 38 times.
76. Raftari, M., Ghafourian, S., Bakar, F.A. Metabolic engineering of *Lactococcus lactis* influence of the overproduction of lipase enzyme (2013) *Journal of Dairy Research*, 80 (4), pp. 490-495. Cited 7 times.
77. Khosravi, A., Asadollahy, E., Ghafourian, S., Sadeghifard, N., Mohebi, R. Synthesis and evaluation of monoclonal antibody against *Plasmodium falciparum* merozoite surface antigen 2 (2013) *Asian Pacific Journal of Tropical Medicine*, 6 (10), pp. 798-803. Cited 1 time.
78. Ghafourian, S., Sekawi, Z., Raftari, M., Ali, M.S.M. Application of proteomics in lab diagnosis(2013) *Clinical Laboratory*, 59 (5-6), pp. 465-474. Cited 7 times.
79. Pakzad, I., Hosseinzadehgan, H., Abtahi, H., Taherikalani, M., Jalilian, F.A., Sadeghifard, N., Ghafourian, S., Zainli, M., Jamshidzadeh, P. Human brucellosis in Iran: Incidence, complication, diagnosis, treatment and prevention (2013) *Journal of Pure and Applied Microbiology*, 7 (2), pp. 1177-1188. Cited 2 times.
80. Shakib, P., Ghafourian, S., Goudarzi, G., Ghafarzadeh, M., Noruzian, H. Prevalence of *Listeria monocytogenes* in Pregnant Women in Khorram Abad, Iran (2013) *Journal of Pure and Applied Microbiology*, 7 (SPEC. ISS. NOVEMB), pp. 475-477. Cited 6 times.
81. Aboualigalehdari, E., Ghafourian, S., Sadeghifard, N., Sekawi, Z. Is *Candida albicans* a cause of nosocomial infection in Iran? (2013) *Reviews and Research in Medical Microbiology*, 24 (4), pp. 85-88. Cited 5 times.

82. Raftari, M., **Ghafourian, S.**, Sadeghifard, N., Abu Bakar, F. Cloning and overexpression of extracellular elastase from *pseudomonas aeruginosa* (2013) *European Journal of Inflammation*, 11 (1), pp. 55-60. Cited 3 times.
83. Sadeghifard, N., Seidnazari, T., **Ghafourian, S.**, Soleimani, M., Maleki, A., Qomi, M.A., Sekawi, Z. Survey in Iran of clarithromycin resistance in *Helicobacter pylori* isolates by PCR-RFLP(2013) *Southeast Asian Journal of Tropical Medicine and Public Health*, 44 (1), pp. 89-95. Cited 11 times.
84. Pakzad, I., Zadegan, H.H., **Ghafurian, S.**, Hematian, A., Fooladi, A.A.I. Microbiological pattern and antibiotic susceptibility of isolates from bronchiectasis (2012) *Journal of Pure and Applied Microbiology*, 6 (3), pp. 1127-1132.
85. Sadeghifard, N., Valizadeh, A., Zolfaghary, M.R., Maleki, M.H., Maleki, A., Mohebi, R., **Ghafourian, S***, Khosravi, A. Relationship between the presence of the nalC mutation and multidrug resistance in *Pseudomonas aeruginosa* (2012) *International Journal of Microbiology*, art. no. 575193, . Cited 5 times.
86. Maleki, A., **Ghafourian, S.**, Sadeghifard, N., Shafiean, M., Hematian, A., Khosravi, M., Mohebi, R. Prevalence of intestinal parasitic infections among suspected referred patients to reference laboratory of Ilam, West Iran (2012) *Journal of Pure and Applied Microbiology*, 6 (2), pp. 803-805.
87. Khosravi, A., **Ghafourian, S.**, Shamsi, M., Sadeghifard, N., Maleki, A., Babaahmadi, E. Cross-reaction between the crude hydatid cyst fluid antigens of human and animals origin in response to human IgG class and subclasse. (2012) *Journal of Parasitology Research*, 2012, art. no. 947948, . Cited 3 times.
88. **Ghafourian, S.**, Mohebi, R., Sekawi, Z., Raftari, M., Neela, V., Ghafourian, E., Aboualigalehdari, E., Rahbar, M., Sadeghifard, N. Effect of tannin extract against *Pseudomonas aeruginosa* producing metallo beta-lactamase (2012) *Journal of Biological Regulators and Homeostatic Agents*, 26 (2), pp. 231-236. Cited 3 times.
89. Maleki, A., **Ghafourian, S.**, Sadeghifard, N., Pakzad, I., Mohebi, R., Hosseini, S., Khosravi, A., Alihosseini, A. Multiplex PCR for identification of *Vibrio cholerae* genes (2012) *Journal of Pure and Applied Microbiology*, 6 (1), pp. 97-102.
90. Shakib, P., **Ghafourian, S.**, Zolfaghary, M.R., Hushmandfar, R., Ranjbar, R., Sadeghifard, N. Prevalence of OmpK35 and OmpK36 porin expression in beta-lactamase and non-beta-lactamase-producing *Klebsiella pneumoniae* (2012) *Biologics: Targets and Therapy*, 6, pp. 1-4. Cited 15 times.
91. **Ghafourian, S.**, Mohebi, R., Rezaei, M., Raftari, M., Sekawi, Z., Kazemian, H., Mohseni, A., Karimi, S., Sadeghifard, N. Comparative analysis of biofilm development among MRSA and MSSA strains.(2012) *Roumanian archives of microbiology and immunology*, 71 (4), pp. 175-182. Cited 5 times.
92. Gholami Parizad, E., Khosravi, A., Gholami Parizad, E., Sadeghifard, N., **Ghafourian, S.**. Evaluation of chronic hepatitis B infection in patients with seronegative HbsAg (2012) *Iranian Journal of Public Health*, 41 (2), pp. 100-104. Cited 10 times.
93. Raftari, M., **Ghafourian, S.**, Sadeghifard, N., Abu Bakar, F., Saari, N., Sekawi, Z. Overexpression of recombinant lipase from *Burkholderia cepacia* in *Escherichia coli* (2012) *European Journal of Inflammation*, 10 (3), pp. 365-369. Cited 3 times.

94. Mohebi, R., **Ghafourian, S.**, Sekawi, Z., Neela, V., Raftari, M., Aboualigalehdari, E., Sadeghifard, N. Extended-spectrum beta-lactamases producing *Klebsiella* species isolated from several major hospitals in Iran (2012) *European Journal of Inflammation*, 10 (3), pp. 269-278. Cited 4 times.
95. Saidi, M., **Ghafourian, S.**, Zarin-Abaadi, M., Movahedi, K., Sadeghifard, N. In vitro antimicrobial and antioxidant activity of black thyme (*Thymbra spicata L.*) essential oils. (2012) *Roumanian archives of microbiology and immunology*, 71 (2), pp. 61-69. Cited 11 times.
96. Sadeghifard, N., Mohebi, R., Sekawi, Z., **Ghafourian, S.**, Kazemian, H., Rezaee, M. Prevalence of hepatitis B virus in chronic hepatitis B patients. (2012) *Roumanian archives of microbiology and immunology*, 71 (1), pp. 53-55.
97. Sadeghifard, N., Rasaei, S.Z., **Ghafourian, S***., Zolfaghary, M.R., Ranjbar, R., Raftari, M., Mohebi, R., Maleki, A., Rahbar, M. Prevalence of genomic island PAPI-1 in clinical isolates of *pseudomonas aeruginosa* in Iran (2012) *Southeast Asian Journal of Tropical Medicine and Public Health*, 43 (2), pp. 431-435. Cited 5 times.
98. **Ghafourian, S.**, Sekawi, Z., Neela, V., Khosravi, A., Rahbar, M., Sadeghifard, N. Incidence of extended-spectrum beta-lactamase-producing *Klebsiella pneumoniae* in patients with urinary tract infection [Incidência de *Klebsiella pneumoniae* produtoras de beta-lactamases de espectro estendido em pacientes com infecção do trato urinário] (2012) *Sao Paulo Medical Journal*, 130 (1), pp. 37-43. Cited 29 times.
99. Raftari, M., Jalilian, F.A., Abdulamir, A.S., **Ghafurian, S.**, Sekawi, Z., Son, R., Bakar, F.A. Antibacterial activity of organic acids on *Salmonella* and *Listeria* (2012) *Asia Life Sciences*, 21 (1), pp. 13-30. Cited 11 times.
100. Mohebi, R., **Ghafourian, S.**, Sekawi, Z., Khosravi, A., Galehdari, E.A., Hushmandfar, R., Ranjbar, R., Maleki, A., Mohammadzadeh, M., Rahbar, M., Sadeghifard, N. In vitro and in vivo antibacterial activity of acorn herbal extract against some Gram-negative and Gram-positive bacteria. (2011) *Roumanian archives of microbiology and immunology*, 70 (4), pp. 149-152. Cited 3 times.
101. **Ghafourian, S.**, Sekawi, Z.B., Sadeghifard, N., Mohebi, R., Neela, V.K., Maleki, A., Hematian, A., Rhabar, M., Raftari, M., Ranjbar, R. The prevalence of ESBLs producing *Klebsiella pneumoniae* isolates in some major hospitals, Iran (2011) *Open Microbiology Journal*, 5, pp. 91-95. Cited 58 times.
102. Pakzad, I., **Ghafourian, S***., Taherikalani, M., Sadeghifard, N., Abtahi, H., Rahbar, M., Jamshidi, N.M. Qnr prevalence in extended spectrum beta-lactamases (ESBLs) and none- ESBLs producing *Escherichia coli* isolated from urinary tract infections in central of Iran (2011) *Iranian Journal of Basic Medical Sciences*, 14 (5), pp. 458-464. Cited 52 times.
103. **Ghafourian, S.**, Sadeghifard, N., Sekawi, Z.B., Neela, V.K., Shamsudin, M.N., Pakzad, I., Galehdari, E.A., Maleki, A., Pornour, M., Mobaiyen, H., Rahbar, M. Phenotypic and genotypic assay for detection of extended spectrum β-lactamases production by *Klebsiella pneumoniae* isolates in Emam Reza Hospital in Tabriz, Iran (2011) *Journal of Pure and Applied Microbiology*, 5 (1), pp. 1-10. Cited 8 times.
104. Sadeghifard, N., **Ghafourian, S.**, Sekawi, Z.B., Neela, V.K., Hematian, A., Pakzad, I., Galehdari, E.A., Mohebi, R. Extended spectrum beta-lactamases among hospitalized patients in surgery wards, Ilam, Iran(2011) *Journal of Microbial and Biochemical Technology*, 3 (1), pp. 18-20. Cited 2 times.

105. **Ghafourian, S.**, Sadeghifard, N., Sekawi, Z.B., Neela, V.K., Shamsudin, M.N., Mohebi, R., Rahbar, M., Raftari, M. Antimicrobial pattern and clonal dissemination of extended-spectrum beta-lactamase producing *Klebsiella* spp isolates (2010) *American Journal of Infectious Diseases*, 6 (4), pp. 110-121. Cited 4 times.
106. Pakzad, I., Rezaee, A., Rasaee, M.J., Hosseini, A.Z., Tabbaraei, B., **Ghafurian, S.**, Abdulamir, A.S., Abu Bakar, F., Raftari, M. Novel approach of vaccination against *Brucella abortus* 544 based on a combination of fusion proteins, human serum albumin and *Brucella abortus* lipopolysaccharides (2010) *Journal of Biological Sciences*, 10 (8), pp. 767-772. Cited 6 times.
107. Alipour, T., Sadeghifard, N., Amirmozafari, N., **Ghafurian, S.**, Abdulamir, A.S., Mohebi, R., Abu Bakar, F., Raftari, M. Incidence of extended spectrum beta-lactamase producing *Pseudomonas aeruginosa* and frequency of OXA-2 and OXA-10 genes (2010) *Australian Journal of Basic and Applied Sciences*, 4 (8), pp. 3202-3207. Cited 5 times.
108. Sadeghifard, N., Ranjbar, R., Zaeimi, J., Alikhani, M.Y., **Ghafouryan, S.**, Raftari, M., Abdulamir, A.S., Delpisheh, A., Mohebi, R., Bakar, F.A. Antimicrobial susceptibility, plasmid profiles, and RAPD-PCR typing of *Acinetobacter* bacteria (2010) *Asian Biomedicine*, 4 (6), pp. 901-911. Cited 31 times.

Selected Papers Presented in International Congress

- Sobhan Ghafourian**, Nourkhoda Sadeghifard, Abbas Maleki, Mehrnoush Safikhani. Study of toxin-antitoxin system effects on virulence factor expression in *Shigella flexneri* isolates. **ECCMID 2019, Amsterdam, Netherlands.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>
- Sobhan Ghafourian**, Abbas Maleki, Maryam Zamirnasta, Hassan Valadbeigi, Nourkhoda Sadeghifard. Respiratory tract microbiota, useful or harmful? **ECCMID 2019, Amsterdam, Netherlands.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>
- Sobhan Ghafourian**, N. Sadeghifard. Toxin antitoxin systems as potent antimicrobial target in *Staphylococcus aureus*. **ECCMID 2018, Madrid, Spain.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>
- Nourkhoda Sadeghifard, Patil Prashant, S. Ghafourian. Anti-biofilm properties of *Peganum harmala* against *Candida albicans*. **ECCMID 2016, Amsterdam, Netherlands.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>
- S. Ghafourian**, N. Sadeghifard. Peptide nucleic acid anti-mazE antitoxin as a novel strategy for eradication of antibiotic-resistant *Staphylococcus aureus*. **ECCMID 2016, Amsterdam, Netherlands.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

6. Nourkhoda Sadeghifard, **Sobhan Ghafourian**; Liam Good. Toxin-antitoxin system in *Staphylococcus aureus*. **ECCMID 2015, Copenhagen, Denmark.**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

7. **Ghafourian, S.**(1)*; Sekawi, Z.(1); Good, L.(2); Sadeghifard, N.(3). MazEF toxin-antitoxin system is a widespread and sensitive antimicrobial target in antibiotic-resistant *Staphylococcus aureus*. **ECCMID 2014, Barcelona, Spain**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

8. Z. Sekawi, **S. Ghafourian**, V. Neela, N. Sadeghifard, M. Raftari. Toxin-antitoxin system: a key for antibacterial targets among *Acinetobacter baumannii*. **ECCMID 2013, Berlin, Germany**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

9. N. Sadeghifard, **S. Ghafourian**, A. Maleki, R. Mohebi (Ilam, IR). Prevalence of intestinal parasitic infections among suspected referred patients to a reference laboratory in Ilam, Iran. **ECCMID 2012, London, United Kingdom**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

10. N. Sadeghifard, Z. Rasaei, M.R Zolfaghari, **S. Ghafourian**. Prevalence of PAPI-1 in clinical isolates of *Pseudomonas aeruginosa*. **ECCMID 2012, London, United Kingdom**
<https://elibrary.escmid.org/?search%5Bfrom%5D=0&search%5Bquery%5D=GHAFOURIAN&search%5Bdate%5D=#results>

11. **Sobhan Ghafourian**. Toxin and antitoxin system as on antibiotic regulatory and pathogenic systems in bacteria. **18th International Iranian congress of microbiology, 2017, Tehran, Iran.**

12. **Sobhan Ghafourian** Toxin antitoxin systems as an antimicrobial target in bacteria. **19th International Iranian congress of microbiology, 2018, Tehran, Iran.**

13. Abbas Maleki, **Sobhan Ghafourian**, Mostafa Akbari Qomi, Norkhoda Sadeghifard. Antibiotic Susceptibility and Molecular Analysis of *Acinetobacter Baumannii* Strains Isolated from Three Teaching Hospitals by REP-PCR and ERIC-PCR. **The 13th Iranian & The Second International Congress of Microbiology**

14. Mohebi, R., Sadeghifard, N., **Ghafourian, S.**, Abouali galehdari, E. charactization of first imp metalo-beta lactamase gene producinf *pseudomonas aeruginosa*strains isolatedin Ilam, Iran **4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.**

15. **Ghafourian, S.** *Klebsiella pneumoniae* production extended spectrum beta- lactamse in respiratory tract. **4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.**

GRADUATE STUDENT TRAINING

MAIN SUPERVISOR

NAME OF STUDENTS	TITLE OF THESIS	PROGRAMME	STATUS
Ali Hematian	<i>Relbe</i> as a novel target for heteroresistant <i>Acinetobacter baumannii</i>	PhD	Graduated (Shahid Beheshti University of Medical Sciences)
Reza Mohebi	Treatment of patients with chronic respiratory tract infections	PhD	Studying (Pasteur Institute of Iran)
Shahriyar Bakhti	Toxin Antitoxin System Genetically is Responsible for Production of Persister Cells in <i>Staphylococcus aureus</i> Clinical Isolates	MSc	Graduated
Mina Mahmoudi	Toxin-Antitoxin Systems as a Reliable Antimicrobial Target for Inhibition of Biofilm Formation in <i>Pseudomonas aeruginosa</i>	MSc	Graduated
Masoumeh Norouzi	Determination of toxin-antitoxin system as an antimicrobial target in <i>Acinetobacter baumannii</i> clinical isolates	MSc	Graduated
Maryam Mohammadian	The Effect of <i>Peganum harmala</i> on Biofilm of <i>Staphylococcus aureus</i> Isolated from Burn Wound Infections	MSc	Graduated
Khadijeh Esmaeili	Uropathogenic Bacteria and Antibiotic Resistance Pattern among Patients Refereeing to Emam Khomaini Hospital , Ilam, Iran	MSc	Graduated
Zahra Chavak	The effect of oak bark extract on biofilm of <i>Streptococcus mutans</i> clinical isolates	MSc	Graduated
Mahsa Morovati	Phenotypic and molecular detection of pathogenic bacteria isolated from raw and pasteurized milk and cheese collected from Ilam and determination of their antibiotic resistance pattern	MSc	Graduated
Mahsa Jalili	Anti- persister effect of <i>Peganum harmala</i> alcoholic extract against <i>Pseudomonas aeruginosa</i> clinical isolates	MSc	Graduated
Maryam Habibi	Evaluation of toxin-antitoxin system as an anti-persister target in <i>Staphylococcus aureus</i> clinical isolates	MSc	Graduated
Parvin Bahmani Nezhad	Evaluation of antibiotic resistance pattern and persister cells in <i>Helicobacter pylori</i> collected from patients referring to Mostafa Khomeini	MSc	Graduated

	hospital, Ilam, Iran and determination the recurrent of infection.		
Ehsan Ghafourian	The Effect of Berberis Vulgaris Fruits against Breast Cancer <i>in vitro</i>	Pharm.D	Graduated
Yosra Naghipour	MazF toxin of Toxin-Antitoxin System as a Candidate for Elimination of Colorectal Cancer Cells	MSc	Graduated

CO-SUPERVISOR

NAME OF STUDENTS	TITLE OF THESIS	PROGRAMME	STATUS
Farzad Mohammadi	Molecular study of Enterococcus faecalis isolates In Ilam, Iran by PFGE and MLST methods	PhD	Graduated (Azad university of Tehran)
Zahra Tahmasebi	Study of Microbial and drug resistance pattern of Ball (bronchoalveolar lavage) isolates during one year from hospitalized patients from Imam Khomeini Ilam,Iran	MSc	Graduated
Maryam Karkoub	Genetic analysis of Shigella flexneri isolates from patients with diarrhea in Ahvaz by Pulsed-field gel electrophoresis	MSc	Graduated
Sahar Shokouhi	Genotyping of Dicrocoelium dendriticum in Cattle and Sheep by using the nad1 gene in three provinces west of IRAN.	MSc	Graduated
Hosna Rezazadeh	Evaluation of antimicrobial effect and shear bond strength of composite resin containing nano ZNO particle used in orthodontics fixed retainer.	MSc	Graduated
Nahid Mahdian	The prevalence of Shiga Toxin-1 in Shigella spp. isolated from Diarrhea, Ahwaz, Iran	MSc	Graduated
Masoumeh hatami lak	Genetic Analysis of Multiple Drug-resistant Escherichia coli by Pulsed-field Gel Electrophoresis.	MSc	Graduated
Nasrin Vazlizadeh	Investigating the effect of Toxin-Antitoxin System expression on virulence factors in Klebsiella Pneumoniae clinical and environmental isolates	MSc	Graduated

EDITORIAL MEMBER

Recent Advances in Anti-Infective Drug Discovery (<https://www.benthamscience.com/journal/207/editorial-board>)

Journal of Basic Research in Medical Sciences (<https://jbrms.medilam.ac.ir/page/127/Editorial-Board>)

BOOK

- | | |
|----|--|
| 1. | Toxin-Antitoxin Systems in <i>Pseudomonas aeruginosa</i> . 2021; Bentham sciences publishers.. ISBN: 978-1-68108-794-8 Scopus indexed
(https://www.benthamscience.com/ebook_volume/3065)(
https://www.scopus.com/record/display.uri?eid=2-s2.0-85208867279&origin=recordpage) |
| 2. | Toxin - Antitoxin systems and Virulence Genes in <i>Enterococcus faecium</i> . 04/2014; LAMBERT Academic Publishing., ISBN: 978-3659517129 (HTTPS://WWW.AMAZON.COM/TOXIN-ANTITOXIN-SYSTEMS-VIRULENCE-ENTEROCOCCUS/DP/3659517127) |
| 3. | Antibacterial Activity Of Organic Acids On The Growth Of Selected Bacteria In Meat Samples. 06/2011; LAMBERT Academic Publishing., ISBN: 978-3844383942 (HTTPS://WWW.AMAZON.COM/ANTIBACTERIAL-ACTIVITY-ORGANIC-SELECTED-BACTERIA/DP/3844383948) |
| 4. | Molecular characterization of ESBL producing Klebsiella spp isolates:. 04/2011; LAP LAMBERT Academic Publishing., ISBN: 978-3844317312 (https://www.amazon.com/Molecular-characterization-producing-Klebsiella-isolates/dp/3844317317) |