

Curriculum Vitae

Personal Description

Name: Sobhan **Surname:** Ghafourian

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Academic Qualification

(Certificate / Qualification obtained)	(Name of School / Institution)	(Year obtained)	(Area of Specialization)
Ph.D	Universiti Putra Malaysia	2014	Medical Microbiology
Msc	Universiti Putra Malaysia	2011	Medical Microbiology
Bsc	Azad Islamic University of Arak	2005	Microbiology

Selected Papers Presented In International Congress:

- 1.** Ghafouryan S, Sadeghifard N. Antimicrobial Pattern and Frequency and Clonal Dissemination of TEM & SHV Genes in *Klebsiella Pneumonia* Isolated From Patients in Milad Hospital and Ilam hospitals.2009.BAKU
- 2.** Mohebi, R., Sadeghifard, N., **Ghafouryan, S.** Incidence of Metallo Beta Lactamase Producing *PseudomonaAeruginosa* and Frequency of VIM and IMP Genes in Kerman Hospital & Ilam Hospitals. 2009.BAKU
- 3.** Sadeghifard, N., **Ghafouryan, S.** PREVALENCE of SHV and TEM genes among ESBL producing E.coli in Milad and Ilam hospitals. 2009.BAKU
- 4.** *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
- 5.** *Iraj pakzad, soya Bahmani, sobhan Ghafourian, Hssan Hosseinzadehgan.* Diagnosis of human brucellosis by PCR of I7/I12 and 16srRNA genes compare with common serological tests

- 6.** **Ghafourian,S.**, Sadeghifard, N., Mohebi, R. STUDY OF *KLEBSIELLA PNEUMONIAE* UROPATHOGENIC STRAINS PRODUCING EXTENDED-SPECTRUM BETA-LACTAMASE IN THREE HOSPITALS , IRAN. 4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.
- 7.** Mohebi, R., Sadeghifard, N., **Ghafourian, S.**, Abouali galehdari, E. *KLEBSIELLA PNEUMONIAE* PRODUCTION EXTENDED SPECTRUM BETA-LACTAMSES IN RESPIRATORY TRACT. 4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.
- 8.** **Ghafourian, S.** Sadeghifard, N., Mohebi, R., Hushmand Far, R. CHARACTERIZATION OF THE FIRST IMP METALO BETA-LACTAMASE GENE PRODUCING *PESUDOMONAS AEROGINOSA* STRAINS ISOLATED IN ILAM , IRAN. 21st ECCMID 2011 - 27th ICC. 7 - 10 May 2011 / Milan, Italy.
- 9.** Raftari, M., Azizi jalilian, F., **Ghafourian, S.**, Abu bakr, F. Optimized antibacterial measures against E. coli O157:H7 and *S. aureus*. 21st ECCMID 2011 - 27th ICC. 7 - 10 May 2011 / Milan, Italy.
- 10.** N. Sadeghifard, Z. Rasaei, M.R Zolfaghari, S. Ghafourian.Prevalence of PAPI-1 in clinical isolates of *Pesudomonas aeruginosa* **ECCMID 2012 London.**
- 11.** N. Sadeghifard, S. Ghafourian, A. Maleki, R. Mohebi.Prevalence of intestinal parasitic infections among suspected referred patients to a reference laboratory in Ilam, Iran. **ECCMID 2012 London.**
- 12.** Zamberi Sekawi, **Sobhan Ghafourian**. Toxin antitoxin system: A key for antimicrobial Target among *Acinetobacter baumannii*. ECCMID 2013 Germany.

13. **Ghafourian S.**; Sekawi Z.; Good L.; Sadeghifard N. MazEF toxin-antitoxin system is a widespread and sensitive antimicrobial target in antibiotic-resistant *Staphylococcus aureus*. *eccmid 2014 Spain*.
14. Sadeghifard, N.; Soheili, S.; **Ghafourian, S.**; Hamat, R.A.; Sekawi, Z..Toxin-antitoxin system as a sensitive target in pathogenic *Enterococcus*. *eccmid 2014 Spain*.

International Journals

1. Raftari, M.a , Ghafourian, S., Abu Bakar, F.a Simultaneous lactic acidification and coagulation by using recombinant *Lactococcus lactis* strain(2017) *Journal of Applied Microbiology*, 122 (4), pp. 1009-1019.
2. afieian-Kopaei, M.a , Saki, K.b , Bahmani, M.c , Ghafourian, S, Sadeghifard, N.d , Taherikalani, M.c *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.
3. Valizadeh, N.a b , Valian, F.a b , Sadeghifard, N.a b , Karami, S.a b , Pakzad, I.a b , Kazemian, H.a b , Ghafourian, S. The Role of *Peganum harmala* Ethanolic Extract and Type II Toxin Antitoxin System in Biofilm Formation (2017) *Drug Research*, . Article in Press.
4. Rajabi, S.K.a , Sohrabnezhad, S.b , 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.
5. Saidi, M.a , Sadeghifard, N.b , Kazemian, H.b , Sekawi, Z.c , Badakhsh, B.d , Friadian, S.b , Ghafourian, S. Ex Vivo Evaluation of *Thymus daenensis* as an Antioxidant and Antibacterial Medicinal Herb (2016) *Drug Research*, 66 (12), pp. 657-659.
6. Kazemian, H.a b , Heidari, H.c , Ghanavati, R.d , Mohebi, R.b , Ghafourian, S.b , Shavalipour, A.e , Taji, A.c , Hour, 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.
7. Valian, F.a , Sadeghifard, N.a , Pakzad, I.a , Valizadeh, N.a , Karami, S.a , Badakhsh, B.b , Sekawi, Z.c , Taherikalani, M.d , Valadbeigi, H.a , Ghafourian,

- S. The rationale behind antibiotic resistance pattern in *Klebsiella pneumonia* (2016) *Tropical Biomedicine*, 33 (2), pp. 383-386.
8. Hematian, A.a , Sadeghifard, N.a , Mohebi, R.a , Taherikalani, M.b , Nasrolahi, A.a , Amraei, M.a , Ghafourian, S. Traditional and Modern Cell Culture in Virus Diagnosis (2016) *Osong Public Health and Research Perspectives*, 7 (2), pp. 77-82.
 9. Badakhsh, B.a , Sadeghifard, N.b , Taherikalani, M.c , Valian, F.b , Rostamzad, A.d , Ghafourian, S Probiotics and different efficacy, how it can be managed?(2016) *Current Drug Therapy*, 11 (1), pp. 41-46.
 10. Aboualigalehdari, E.a , Sadeghifard, N.a , Taherikalani, M.b , Zargoush, Z.a , Tahmasebi, Z.a , Badakhsh, B.c , Rostamzad, A.d , Ghafourian, S. , Pakzad, I.a Anti-biofilm Properties of *Peganum harmala* against *Candida albicans*(2016) *Osong Public Health and Research Perspectives*, 7 (2), pp. 116-118.
 11. Ghasemi, A. , Ghafourian, S. , Vafaei, S.c , Mohebi, R.b , Farzi, M.c , Taherikalani, M.d , Sadeghifard, N.b Cloning, Expression, and Purification of Hyperthermophile α -Amylase from *Pyrococcus woesei*(2015) *Osong Public Health and Research Perspectives*, 6 (6), pp. 336-340.
 12. Delfan, B.a , Baharvand-Ahmadi, B.a , Bahmani, M.b , Mohseni, N.c , Saki, K.d , Rafieian-Kopaei, M.e , Shahsavari, S.f , Naghdi, N.f , Taherikalani, M.a , 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.
 13. Bahmani, M.a , Sarrafchi, A.b , Shirzad, H.b , Shahinfard, N.b , Rafieian-Kopaei, M.b , Shahsavari, S.c , Baharvand-Ahmadi, B.d , Taherikalani, M.d , 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.
 14. Bahmani, M.a , Shahinfard, N.b , Rafieian-Kopaei, M.b , Saki, K.c , Shahsavari, S.d , Taherikalani, M.e , Ghafourian, S.d , Baharvand-Ahmadi, B.e Chicory: A review on ethnobotanical effects of *Cichorium intybus* L.(2015) *Journal of Chemical and Pharmaceutical Sciences*, 8 (4), pp. 672-682.
 15. Taherikalani, M.a , Hemati, S.b , Heidarzadi, K.c , Mahdavi, Z.d , Ghanbari, F.e , Mohamadi, M.f , Ghafourian, S , Varzi, A.M.h , Azizi Jalilian, F.i , Bogdanovic, L.j , Saki, K.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.
 16. Kazemian, H.a b , Ghafourian, S. , Heidari, H.c , Amiri, P.d , Yamchi, J.K.e , Shavalipour, A.d , Houri, H.d , Maleki, A.a , Sadeghifard, N.a 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.
 17. **Ghafourian, S., Sadeghifard, N., Soheili, S., & Sekawi, Z. (2015). Extended spectrum beta-lactamases: Definition, classification and epidemiology. *Current Issues in Molecular Biology*, 17(1), 11-22. (ISI, IF=6)**

18. Azar Hasanvand, **Sobhan Ghafourian**, Morovat Taherikalani, Farid A Jalilian, Nourkhoda Sadeghifard, Iraj Pakzad: Antiseptic Resistance in Methicillin Sensitive and Methicillin Resistant Staphylococcus aureus Isolates from Some Major Hospitals, Iran.. 06/2015;
19. Sara Soheili, **Sobhan Ghafourian**, Zamberi Sekawi, Vasantha Kumari Neela, Nourkhoda Sadeghifard, Morovat Taherikalani, Afra Khosravi, Ramliza Ramli: The mazEF toxin-antitoxin system as an attractive target in clinical isolates of Enterococcus faecium and Enterococcus faecalis. Drug Design, Development and Therapy 05/2015; 9(May):2553 – 2561.
DOI:10.2147/DDDT.S77263
20. M H Karimfar, F Niazvand, K Haghani, **S Ghafourian**, R Shirazi, Salar Bakhtiyari: The protective effects of melatonin against cryopreservation-induced oxidative stress in human sperm. International journal of immunopathology and pharmacology 03/2015; 28(1):69-76.
DOI:10.1177/0394632015572080
21. Sajede Karimi, **Sobhan Ghafourian**, Morovat Taheri Kalani, Farid Azizi Jalilian, Saeed Hemati, Nourkhoda Sadeghifard: Association Between Toxin-Antitoxin Systems and Biofilm Formation. Jundishapur Journal of Microbiology 01/2015; 8(1):e14540. DOI:10.5812/jjm.14540
22. Mohammad Reza Nazari, Zamberi Sekawi, Nourkhoda Sadeghifard, Mohammad Raftari, **Sobhan Ghafourian***: Methicillin-resistant Staphylococcus aureus. Reviews in Medical Microbiology 01/2015; 26(1):1-7.
DOI:10.1097/MRM.0000000000000023
23. A Ghafourian, **S Ghafourian**, N Sadeghifard, R Mohebi, Y Shokoohini, S Nezamoleslami, R A Hamat: Vitiligo: symptoms, pathogenesis and treatment.. International journal of immunopathology and pharmacology 10/2014; 27(4):485-9.
24. Sara Soheili, **Sobhan Ghafourian**, Zamberi Sekawi, Vasanthakumari Neela, Nourkhoda Sadeghifard, Ramliza Ramli, Rukman Awang Hamat: Wide Distribution of Virulence Genes among Enterococcus faecium and Enterococcus faecalis Clinical Isolates. 07/2014; 2014:623174.
DOI:10.1155/2014/623174
25. **Ghafourian, S.**, Good, L., Sekawi, Z., Hamat, R. A., Soheili, S., Sadeghifard, N., & Neela, V. (2014). The mazEF toxin-antitoxin system as a novel antibacterial target in acinetobacter baumannii. *Memorias do Instituto Oswaldo Cruz*, 109(4), 502-505. (ISI, IF=1.3)
26. **Ghafourian, S.**, Raftari, M., Sadeghifard, N., & Sekawi, Z. (2014). Toxin-antitoxin systems: Classification, biological function and application in biotechnology. *Current Issues in Molecular Biology*, 16(1), 9-14. (ISI, IF=6)
27. Nourkhoda Sadeghifard, Sara Soheili, Zamberi Sekawi, **Sobhan Ghafourian***. Is the mazEF toxin-antitoxin system responsible for vancomycin

resistance in clinical isolates of *Enterococcus faecalis*? *GMS Hygiene and Infection Control* 2014, Vol. 9(1). (PUBMED)

28. Aboualigalehdari, E., **Ghafourian, S.**, Sadeghifard, N., & Sekawi, Z. (2013). Is candida albicans a cause of nosocomial infection in iran? *Reviews in Medical Microbiology*, 24(4), 85-88. (ISI, IF=0.5)
29. Soheili S, **Ghafourian S**, Sekawi Z, Neela V, Sadeghifard N, Ramli R, Hamat RA. Wide distribution of virulence genes among *Enterococcus faecium* and *Enterococcus faecalis* clinical isolates. *ScientificWorldJournal*. 2014;2014:623174. doi: 10.1155/2014/623174 (ISI, IF=1.2)
30. Alipour, T., Sadeghifard, N., Amirmozafari, N., **Ghafurian, S.**, Abdulmir, A. S., Mohebi, R, Raftari, M. (2010). Incidence of extended spectrum beta-lactamase producing *pseudomonas aeruginosa* and frequency of OXA-2 and OXA-10 genes. *Australian Journal of Basic and Applied Sciences*, 4(8), 3202-3207. (SCOPUS)
31. **Ghafourian, S.**, Mohebi, R., Rezaei, M., Raftari, M., Sekawi, Z., Kazemian, H., . . . Sadeghifard, N. (2012). Comparative analysis of biofilm development among MRSA and MSSA strains. *Roumanian Archives of Microbiology and Immunology*, 71(4), 175-182. (PUBMED-SCOPUS)
32. **Ghafourian, S.**, Mohebi, R., Sekawi, Z., Raftari, M., Neela, V., Ghafourian, E., . . . Sadeghifard, N. (2012). Effect of tannin extract against *pseudomonas aeruginosa* producing metallo beta-lactamase. *Journal of Biological Regulators and Homeostatic Agents*, 26(2), 231-236. (ISI, IF=2.4)
33. **Ghafourian, S.**, Sadeghifard, N., Sekawi, Z. B., Neela, V. K., Shamsudin, M. N., Mohebi, R., . . . Raftari, M. (2010). Antimicrobial pattern and clonal dissemination of extended-spectrum beta-lactamase producing *klebsiella* spp isolates. *American Journal of Infectious Diseases*, 6(4), 110-121.(SCOPUS)
34. **Ghafourian, S.**, Sadeghifard, N., Sekawi, Z. B., Neela, V. K., Shamsudin, M. N., Pakzad, I., . . . Rahbar, M. (2011). Phenotypic and genotypic assay for detection of extended spectrum β -lactamases production by *klebsiella pneumoniae* isolates in emam reza hospital in tabriz, iran. *Journal of Pure and Applied Microbiology*, 5(1), 1-10. (ISI, IF=0.05)
35. **Ghafourian, S.**, Sekawi, Z., Neela, V., Khosravi, A., Rahbar, M., & Sadeghifard, N. (2012). 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] *Sao Paulo Medical Journal*, 130(1), 37-43. (ISI, IF=0.8)
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 44. Maleki, A., Ghafourian, S., Sadeghifard, N., Pakzad, I., Mohebi, R., Hosseini, S., . . . Alihosseini, A. (2012). Multiplex PCR for identification of vibrio cholerae genes. *Journal of Pure and Applied Microbiology*, 6(1), 97-102. (ISI, IF=0.05)
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