

## In the name of God



### I-PERSONAL INFORMATION

**Name:** Gholamreza

**Family:** Goudarzi

**Date of birth:** 1977

**Place of birth:** Boroujerd, Lorestan Province, IRAN.

**Marital Status:** Married

**Religion:** Islam

**Academic Rank:** Professor

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## II-EDUCATIONAL RECORDS

**B. Sc** : Shaheed Beheshti University of Medical Sciences, Tehran, Medical Laboratory Sciences, 2003.  
(Highest ranking student, Average: 18.81)

**M. Sc** : Tarbiat Modares University, Tehran, Medical Bacteriology, 2005

\* The **first grade** in M.Sc. entrance examination of Bacteriology.

\* **Highest ranking student** in M.Sc. Course (Average: 19.46).

**Ph.D** : Tarbiat Modares University, Tehran, Medical Bacteriology, 2009

\* The **first grade** in Ph.D. Entrance examination of **Medical** Bacteriology.

## III. Ph.D Thesis

Evaluation of immune response and protective immunity of *Pseudomonas aeruginosa*  
Flagellin - Alginate conjugate in BALB/c mice. 2009

## IV. M.Sc. Thesis

Evaluation of inhibitory effect of chamomile alcoholic extract against the growth and  
Production of certain factors of *Staphylococcus aureus*. 2004

## V. MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Iranian Society of Microbiology.

## VI. RESEARCH INTERESTS

1. Bacterial Vaccines
2. Cloning & Molecular bacteriology
3. Medicinal plants
4. Molecular epidemiology of Antibiotic Resistance

## VII. PUBLICATIONS

1. Baharvand R, Mohammadi P, Asgarani E, Gholamreza Goudarzi. Investigation of frequency and identification of air bacteria during dust storms in Lorestan province. *Yafte*. 2023; 24(4):42-57. (Persian)
2. Pegah Shakib, Reza Saki, Abdolrazagh Marzban, Gholamreza Goudarzi, Suresh Ghotekar, Kourosch Cheraghipour and Mohammad Reza Zolfaghari. Antibacterial Effects of Nanocomposites on Efflux Pump Expression and Biofilm Production in *Pseudomonas aeruginosa*: A Systematic Review. *Current Pharmaceutical Biotechnology* 2024;25 (1)
3. Pegah Shakib, Seyedeh Zahra Mirzaei, Zeinab Sharafi, Reza Saki, Gholamreza Goudarzi Asghar Sepeavand, Sarah Alsallameh, Hamed Esmaeil Lashgarian, Abdolrazagh Marzban. Biofabrication of copper oxide nanoparticles mediated with *Echium amoenum* petal extract for evaluation of biological functions. *Biomass Conversion and Biorefinery* 2023. <https://doi.org/10.1007/s13399-023-04796-4>
4. Goudarzi, Gholamreza; Shakib, Pegah; Karami, Sahar; Najafi-Olya, Zahra. The Prevalence of Virulence Factors among ESBLs-Producing *Klebsiella pneumoniae* Isolated from Khorramabad Hospitals, Iran. *Clinical Laboratory* 2023, Vol 69, Issue 10, p2127
5. Shakib, Pegah; Saki, Reza; Zolfaghari, Mohammad R.; Goudarzi Gholamreza. Efflux Pump and Biofilm Inhibitory Activity of Nanoparticles in *Acinetobacter Baumannii*: a Systematic Review. *Clinical Laboratory*, 2023, Vol 69, Issue 10, p2040
6. Marzieh Rashidipour, Pegah Shakib, Gholamreza Goudarzi, Yadollah Pournia, Maryam Karimi, Maryam Sarlak. Native Iranian Medicinal Plants with Anti-Vaginal Infection Properties: A Systematic Review. *Infectious Disorders - Drug Targets* 2022;22(6): 41-47
7. Pegah Shakib, Seyedeh Zahra Mirzaei, Hamed Esmaeil Lashgarian, Reza Saki, Gholamreza Goudarzi, Sarah Alsallameh, Abdolrazagh Marzban, Kourosch Cheraghipour. Preparation of zinc oxide nanoparticles assisted by okra mucilage and evaluation of its biological activities. *Current Drug Discovery Technologies* 2022, Dec 1. doi: 10.2174/1570163820666221201090006.
8. Gholamreza Goudarzi, Yaser Hasanvand, Faranak Rezaei, Somayeh Delfani. A comparative characterization of nasal and clinical isolates of *Staphylococcus aureus* from west of Iran. *Iranian Journal of Microbiology* 2021,13(6)
9. Zohreh Merbiek Sabzevari, Gholamreza Goodarzi, Saba Zinatifar, Khatereh Anbari, Maryam Hassani, Pegah Shakib. Prevalence of Etiological Factors and Bacterial Sensitivity pattern of Urinary Infection in First and Secondary Graduate Students in Khorramabad City, Iran. *Plant Biotechnology Persa* 2020;2(1):16-21
10. Hosseini-Chegeni A., Tavakoli M., Goudarzi Gh., Telmadarraiy Z., Sharifdini M., Faghihi F., Ghanbari M.K. Molecular Detection of *Anaplasma marginale* and *Anaplasma ovis* (Rickettsiales: Anaplasmataceae) in Ixodid Tick Species in Iran. *Archives of Razi Institute* 2020, 75, No. 1

11. Habibollah Kooshki, Gholamreza Goudarzi, Faezeh Faghihi, Zakkyeh Telmadarraiy, Hamideh Edalat, Asadollah Hosseini-Chegeni. The first record of *Rickettsia hoogstraalii* (Rickettsiales: Rickettsiaceae) from *Argas persicus* (Acari: Argasidae) in Iran. *Systematic & Applied Acarology* 2020: 25,
12. Gholamreza Goudarzi, Pegah Shakib. The Occurrence of blaCTX-M-15 extended-spectrum  $\beta$ -lactamase Among Clinical Isolates of *Klebsiella pneumoniae* in Khorramabad, Iran *Infectious Disorders - Drug Targets* 2020, 20, 1-5
13. Gholamreza Goudarzi, Pegah Shakib, Mozghan Azadpour, Mohamad Reza Nazer. Distribution of *aac(6')/aph(2'')*, *aph(3')-IIIa*, and *ant(4')-Ia* Genes Among Clinical Nasal Sources for *Staphylococcus aureus* Strains Isolated in Khorramabad, Iran. *Crescent Journal of Medical and Biological Sciences* 2020, Vol. 7, 429–433
14. Gholamreza Goudarzi, Pegah Shakib, Khatereh Anbari, Shahram Shokri. Molecular Fingerprinting and Occurrence of *blaKPC* and *blaOXA-48* in *Klebsiella pneumoniae* Isolated from Clinical Specimens, Khorramabad, Iran. *Crescent Journal of Medical and Biological Sciences* 2020, 7(3)
15. Gholamreza Goudarzi, Majid Tavakoli, Behrouz Ezatpour, Habibollah Kooshki, Asadollah Hosseini-Chegeni. Molecular detection of *Theileria ovis* (Apicomplexa: Theileriidae), *Anaplasma ovis* (Rickettsiales: Anaplasmataceae), and *Mycoplasma* sp. (Tenericutes: Mycoplasmataceae) from sheep blood in western Iran. *Comparative Clinical Pathology* 2019. doi.org/10.1007/s00580-019-02995-y
16. Sobhan Faezia, Ahmad Reza Bahrmand, Soroush Sardari, Iraj Nikokara, Korosh Khanakia, Seyed Davar Siadatb, Gholamreza Goudarzi\*, Ali Elmia, Mehdi Mahdavi. Epitope-based immunoinformatic study of a novel PilQ380–706-PilA fusion protein from *Pseudomonas aeruginosa*. *Gene Reports* 2019, 15: 100385
17. Sayyad Khanizadeh, Banafsheh Hasanvand, Hamed Esmaeil Lashgarian, Mohammad Almasian, Gholamreza Goudarzi. Interaction of viral oncogenic proteins with the Wnt signaling pathway. *Iranian Journal of Basic Medical Sciences* 2018, 21:651-659.
18. Hossein Norouzian, H .Ghobadian Diali , Mojgan Azadpour, Parviz Afrough , Pegah Shakib, Morteza Mosavi , Ali Karami, Gholamreza Goudarzi. : PCR Detection of *Coxiella burnetii* in Milk Samples of Ruminants, Iran. *Journal of Medical Bacteriology* 2018, 7 (1, 2): 31-35
19. Sobhan Faezi, Ahmad Reza Bahrmand, Mehdi Mahdavi, Seyed Davar Siadat , Soroush Sardari, Iraj Nikokar, Korosh Khanaki , Ebrahim Mirzajani, Gholamreza Goudarzi. Preparation of *Pseudomonas aeruginosa* alginate-flagellin immunoconjugate. *Biologicals* 2017, 47

20. Maryam Roham, Khatereh Anbari, Samira Mirhabibi, Gholamreza Goudarzi. The seroprevalence of *Mycoplasma pneumoniae* IgM and IgG antibodies in patients with ischemic stroke. *Iranian Journal of Microbiology* 2016, 8 (6); 383-388
21. Gholamreza Goudarzi, Farzad Tahmasbi, Khatereh Anbari. Distribution of Genes Encoding Resistance to Macrolides Among Staphylococci Isolated from the Nasal Cavity of Hospital Employees in Khorramabad, Iran. *Iranian Red Crescent Medical Journal* 2016; February 18(2): e25701
22. Hossein Norouzian, Mohammadreza Gholami, Pegah Shakib, Gholamreza Goudarzi\*, Hamze Ghobadian Diali, Azam Rezvani. Prevalence of HCV infections and co-infection with HBV and HIV and associated risk factors among addicts in the drug treatment centers, Lorestan province, Iran. *International Journal of High Risk Behaviors and Addiction* 2016; 5(1): e25028.
23. Azadpour M, Nowroozi J, Goudarzi, G.R. Mahmoudvand H. Presence of *qacEΔ1* and *cepA* genes and susceptibility to a hospital biocide in clinical isolates of *Klebsiella pneumoniae* Iran. *Tropical Biomedicine* 2015; 32(1): 109–15
24. Gholamreza Goudarzi, Masoumeh Ghafarzadeh, Pegah Shakib, Khatereh Anbari. Culture and real-time PCR based maternal screening and antibiotic susceptibility for group b streptococcus: an Iranian experience. *Global Journal of Health Science* 2015;7(6): 233-9
25. Safar Farajnia, Shahin Najar Peerayeh, Asghar Tanomand, Jafar Majidi, Gholamreza Goudarzi, Behrooz Naghili, and Leila Rahbarnia. Protective efficacy of recombinant exotoxin A-flagellin fusion protein against *Pseudomonas aeruginosa* infection. *Canadian J. Microbiology* 2015; 61: 60-4.
26. Goudarzi G, Azadpour M. Prevalence of Clindamycin Inducible Resistance in *Staphylococcus aureus* and Coagulase-Negative Staphylococci Using D-Test: A Short Report . *Journal of Rafsanjan University of Medical Sciences*. 2015; 14 (1) :77-82
27. Mehdi Goudarzi, Mehdi Azad, Sima Sadat Seyedjavadi, Gholamreza Goudarzi, Marjan Rashidan. Study of flagellin profiling in multidrug resistant *Pseudomonas aeruginosa* (MDRPA) isolated from burn wound infections, Tehran, Iran. *Journal of Paramedical Sciences* 2014; 5(3):40-5.
28. Mohammad Hassanvand , Gholamreza Goudarzi\* , Sayyad Khanizadeh . The frequency of enterotoxin A and B genes among *Staphylococcus aureus* strains isolated from confectionary products and nares of its processing workers in Khorramabad city. *Pajoohandeh Journal* 2014; 19 (5) :281-286
29. Goudarzi Gh, Shakib P, Lashkarara M. Prevalence of *aac(3)-IIa*, *aph(3)-Ia* and *ant(2)-I* Genes (Encoding Aminoglycoside-Modifying Enzymes) among Isolates of Uropathogenic *Escherichia coli*. *mljgoums* 2014; 8 (3): 61-66



30. Goudarzi Gh, Momeni Mofrad S, Shakib P. The prevalence of extended-spectrum betalactamases among uropathogenic *Escherichia coli* isolates from Ibn Sina Hospital of Delfan City, Lorestan. *Yafteh* 2014; 16(2) :17-23
31. Saket S, Hosseini S, Goudarzi Gh, Mohsenzadeh A, anbari K, Beyranvand N. *Helicobacter pylori* (IgG) assessment among children (1-14 years old) referred to Shahid Madani children's hospital in 2011-2012. *Yafteh* 2014; 16 (1) :14-22
32. Nazer MR, Ghanadi K, Goudarzi Gh, Sajedi Y, Pournia Y, Darvishi M. Prevalence of *Chlamydia pneumoniae* by Real time PCR in referred patients with respiratory syndrome to clinic center of infectious diseases. *Life Science Journal* 2014;11(1s): 87-92
33. Shaban A, Norrozi J, Goudarzi Gh, Kheirandish F. Study on presence of pap G II and pap G III genes in *E. coli* isolated from urine and blood hospitalized patients' in Khorramabad city, Iran. *Pajouda* 2014; 27: 17-26
34. Nowrozi J, Azadpour M, Goudarzi Gh. Minimum inhibitory concentration of *Klebsiella pneumoniae* isolated from hospitalized patients in Khorram Abad against DEKONEX disinfectant. *Pajouda* 2014; 27: 44-52
35. Momeni Mofrad S, Goudarzi Gh, Shakib P, Nowroozi J. Prevalence of aac(3)-IIa gene among clinical isolates of uropathogenic *Escherichia coli* in Delfan, Lorestan. *Iran J Med Microbiol.* 2013; 7 (2) :20-26
36. Shakib P, Azad Poor M, Saeedi P, Goudarzi Gh, Rouhani Nejad H, Momeni Mofrad S. Scrutinizing the antimicrobial effect of hydro alcoholic extract of *Althaea officinalis* (marshmallow) and *Matricaria recutita* (chamomile) flowers. *Life Science Journal* 2013; 10(5s): 162-66
37. Shakib P, Ghafourian S, Goudarzi Gh, Ghafarzadeh M, Noruzian H. Prevalence of *Listeria monocytogenes* in Pregnant Women in Khoram Abad, Iran. *Journal of Pure and Applied Microbiology* 2013;7(Spl. Edn.):475-77
38. Goudarzi Gh, Fallah Mehrabadi J, Farahani Hatamabadi F, Molla Agha Mirzaei H, Najafi S. A New Approach for Designing a Potentially Vaccine Candidate against Urinary Tract Infection by Using Protein Display on *Lactobacillus* Surface. *J Med Bacteriol* 2012; 1 (2): 10-16
39. Goudarzi Gh, Yadegar A, Amplification and flagellin typing of *Pseudomonas aeruginosa*. *Yafteh* 2011; 13(2):1-5.
40. Hajikhani B, Najar-Peerayeh Sh, Soleimanjahi H, Hassan Z M, Goudarzi Gh. Cloning, expression, purification and characterization of recombinant UreB229-561 from *Helicobacter pylori*. *Iranian Journal of Clinical Infectious Diseases.* 2010;5(1):18-24
41. Goudarzi Gh, Saharkhiz MJ, Sattari M, and Zomorodian K. Antibacterial Activity and Chemical Composition of Ajowan (*Carum copticum* Benth. & Hook) Essential Oil. *J. Agr. Sci. Tech.* 2011;13: 203-208

42. Goudarzi Gh, Sattari M, Habibi Roudkenar M, Montajabi-Niyat M., Zavaran-Hosseini A., Mosavi-Hosseini K., Cloning, expression, purification, and characterization of recombinant flagellin isolated from *Pseudomonas aeruginosa*. *Biotechnol Lett*. 2009; 31:1353– 60
43. Yadegar A, Sattari M, Amir Mozafari N, Goudarzi Gh. Prevalence of the Genes Encoding Aminoglycoside-Modifying Enzymes and Methicillin Resistance Among Clinical Isolates of *Staphylococcus aureus* in Tehran, Iran. *Microbial Drug Resistance*. 2009;15(2): 109-13
44. Yadegar A. Sattari M., Amir Mozafari N, Goudarzi Gh. Prevalence of ant (4')-Ia Gene Among clinical isolates of Methicillin-Resistant *Staphylococcus aureus* using multiplex PCR method. *Modares Journal of Medical Sciences*. 2009; 12(1):59-68.
45. Sattari M ,Natanzian M,Yadegari M H,Goudarzi Gh,Saharkhiz MJ. Antifungal Activity of Essential Oil and Alcoholic Extract of *Carum Copticum* against Fluconazole Resistant and Suseptible *Candida Albicans* Isolated. *Modares Journal of Medical Sciences*. 2008; 11(1-2):91-97
46. Goudarzi Gh. Sattari M., Goudarzi M, Bigdeli M., Evaluation of inhibitory effects of chamomile aquatic & alcoholic extract on *Staphylococcus aureus*. *The Iranian journal of medicinal and Aromatic plants*. 2006; 21( 3): 293 - 306
47. Goudarzi Gh. Sattari M, Aslanzadeh M., Goudarzi M., Bigdeli M. Effects of sub-inhibitory concentrations of German chamomile (*Matricaria recotita*) extract on the activity of catalase enzyme of *S. aureus*. *The Iranian Quarterly research journal of Lorestan university of Medical sciences, Yafteh*. 2005 ; 7(26 ):49 - 55
48. Goudarzi M., Sattari M., Goudarzi Gh. Najjar Pirayeh Sh., Bigdeli M. Evaluation of inhibitory effects of Thyme aquatic & alcoholic extract on Enterohemorrhagic *Escherichia coli* O157:H7. *The Iranian Quarterly research journal of Lorestan university of Medical sciences, Yafte*. 2007; 8:63-69
49. Saharkhiz MJ, Goudarzi Gh, Sefidcon F, Sattari M, Omidbeygi R. Assessment of antibacterial properties of *Tanacetum partheniu* L. essential oil. *The Iranian journal of medicinal and Aromatic plants*. 2008; 24(1):47-55
50. Goudarzi M, Sattari M, Najjar Peerayeh Sh, Goudarzi Gh. Comparison of Inhibitory Effect of Thyme Alcoholic Extract on Verotoxin Production by Entrohemorrhagic *Escherichia coli* through Reverse Agglutination and Vero Cell Culture. *The Iranian Quarterly research journal of Kermanshah university of Medical sciences, Behboud*, 2009; 12(3):244-353

#### VIII. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS

1. Isolation and specification of group B streptococcus microbial susceptibility pattern in

pregnant females consulting with selected hospitals in Khoramabad. The 4th Congress of Laboratory and Clinic. Tehran. Iran. December 2011

2. Antibodies raised against recombinant *Pseudomonas aeruginosa* flagellin prevents its motility in vitro. The 11th Iranian Microbiology Congress. Langroud. Iran. May 2010
3. Active immunization of mice with recombinant flagellin from *Pseudomonas aeruginosa* protected mice in the burn model of infection with inducing strong humoral immune response. The 11th Iranian Microbiology Congress. Langroud. Iran. May 2010
4. The comparison of antigenicity and immunogenicity of native and recombinant flagellin of *Pseudomonas aeruginosa*. The 3rd Iranian congress of Clinical Microbiology. Oct 2009
5. Cloning, expression and purification of *Pseudomonas aeruginosa* fliC. the 13th International Biotechnology Symposium 2008(Abstracts / Journal of Biotechnology 136S (2008) S201–S211).
6. Evaluation of inhibitory effect of Thyme alcoholic extract on Verotoxin production by VTEC- RFLA kit and cytotoxicity assay on Vero cell line. The 7th Iranian Congress of Microbiology. Semnan. Iran. Feb., 2005
7. Evaluation of antibacterial properties of Thyme essential oil on *S.aureus* and *E.coli*. The 7th Iranian Congress of Microbiology. Semnan. Iran. Feb., 2005
8. Quantitative analysis of Ajowan (*Carum copticum* Heirn.) essential oil and evaluation of its antibacterial properties on some pathogenic bacteria. The 7th Iranian Congress of Microbiology. Semnan. Iran. Feb., 2005
9. Evaluation of inhibitory effect of chamomile alcoholic extract on the growth and production of certain factors of *Staphylococcus aureus*. 2nd International Congress on Traditional Medicine and Materia Medica. Tehran. Iran. Oct., 2004. Iranian Journal of Pharmaceutical



Research.

10. Inhibitory effects of alcoholic extracts of thyme on verotoxin production of Enterohemorrhagic *Escherichia coli* O157:H7. 2nd International Congress on Traditional Medicine and Materia Medica. Tehran. Iran. Oct., 2004. Iranian Journal of Pharmaceutical Research.
11. Evaluation antiviral activity of aerial parts extracts of *Echinacea purpurea* from Iran against HSV- 1. 2nd International Congress on Traditional Medicine and Materia Medica. Tehran. Iran. Oct., 2004. Iranian Journal of Pharmaceutical Research.