

CONTACT

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Current Position

Professor of Bacteriology
Department of Microbiology, School of Medicine
Clinical Microbiology Research Center
Ilam University of Medical sciences

Education

Grade	University	Country
Ph.D	**Medical Bacteriology (2006), Tehran University of Medical Sciences, Tehran, Iran.**	**Iran**
M.Sc	**Medical Bacteriology, 1996, Institute Pasteur DEL IRAN, Tehran**	**Iran**
B.Sc	**Microbiology, 1993, Tehran University, Iran**	**Iran**

ADDITIONAL SKILLS And Research Interests

Research Interest:

1) Molecular Typing of Anaerobic Bacteria.

2) Molecular detection of Pathogenic agents.

Membership of Association:

Member of Iranian Society of Microbiology**.**

Books Writing:

Ranjbar .R,Zaeimi Yazdi J,Sadeghifard N, et al. Anaerobic bacteria: Principles and laboratory diagnosis. Teimourzadeh Press. Tehran, 2003.

Translation to persian:

Ranjbar R, Sadeghifard N, et al. Medical Microbiology (Murry PR, Rosenthal KS, 3 Kobayashi GS, Pfaller MA).4 th edition, Mosby (In press).

Selected papers presented in Congress:

1) Sadeghifard N, et al. Comparison of rapid urease test, histopathology, and culture for detection of H. pylori in dyspeptic patients. 2 nd Iranian congress of microbiology,18-20 May 1996,Yazd,Iran.

2) Sadeghifard N, et al. A study on H.pylori infections in Ilam , 3 rd Iranian congress of microbiology,22-24 Aug 2000,Hamedan,Iran

3)Alikhani MY,Hajia M, Sadeghifard N.Evaluation of Combination of media for

primary isolation of H.pylori from gastric biopsy specimens. 3 rd Iranian congress of microbiology, 22-24 Aug 2000,Hamedan, Iran

4) Sadeghifard N, et al. Isolation of VT- producing E.coli in Ilam. 4 th Iranian congress of the microbiology, 6-8 Nov 2001,Tehran, Iran

5) Sadeghifard N, et al. Isolation of B.abortus, S.aureus and E.coli from raw milk in Ilam. 4 th Iranian congress of the microbiology, 6-8 Nov 2001,Tehran, Iran

6)) Sadeghifard N, et al. Prevalence of Nosocomial infections in Ilam hospitals. 4 th Iranian congress of the microbiology, 6-8 Nov 2001,Tehran, Iran

7)Alikhani M Y,Bahramand A,Aslani M M,Sadeghifard N .Evaluation of Mycobacterium tuberclosis DNA extraction methods in clinical specimens and Mycobacteria safe for PCR. 4 th Iranian congress of the microbiology, 6-8 Nov 2001,Tehran, Iran

8) Sadeghifard N,et al. Nosocomial infections in Ilam s hospitals.10 th Iranian Congress on infectious disease and tropical medicine, 2003,Tehran,Iran.

9) Sadeghifard N,et al. Study of nasal carriage rate of S.aureus in hospitals personnel in Ilam.5 th Iranian congress of the microbiology,21-23 Jan 2003,Ahvaz,Iran.

10) Sadeghifard N,et al.. Study of antimicrobial resistance of Acinetobacter baumannii. isolated from patients in three hospitals in Tehran. 6 th Iranian congress of the microbiology, 16-18 Feb 2004,Tehran,Iran

11) Ranjbar R , Salimkhani E,Sadeghifard N, et al. A large outbreak of gastroenteritis in the Central Bank of the Islamic Republic of Iran Building in Tehran, Iran in 2003. 6 th Iranian congress of the microbiology,16-18 Feb 2004, Tehran, Iran) .

12) Aivazi AA, Sadeghifard N, et al.Bacterial flora of American cockroach at Khomeini hospital in Ilam,Iran. 6 th Iranian congress of the microbiology,16-18 Feb 2004, Tehran, Iran)

13) Zaeimi Yazdi J, Sadeghifard N,et al.Comparison of antibacterial activity of natural and synthetic dyes in textile industry. 6 th Iranian congress of the microbiology,16-18 Feb 2004, Tehran, Iran) .

14) Sadeghifrard N, et al. Evaluation of methods for detection of toxigenic Clostridium difficile in stool specimens. First International Clostridium difficile symposium, May 5-8, 2004, Kranjska Gora, Slovenia.

15) Sadeghifard N, et al. Nosocomial infections in Ilam s hospitals. 14 th European Congress of Clinical Microbiology and Infectious Disease, May 1-4, 2004, Prague, Czech Republic.

16) Sadeghifard N, et al. 2005. Detection of the rate of bacterial contamination in different wards of hospitals in Ilam city. 7 th Iranian congress of the microbiology,16-18 Feb 2005, Semnan, Iran .

17) N. Sadeghifard, et al Prevalence of Clostridium difficile- associated diarrhea in hospitalized patients with nosocomial diarrhea in Tehran University of Medical Sciences Hospitals, Tehran, Iran. 16 th European Congress of Clinical Microbiology and Infectious Disease, April 1-4, 2006, Nice, France.

18) F. Azizi Jalilian , N. Sadeghifard , et al. Evaluation of Measles-Specific Humoral and Cell-Mediated Immunity in Infants Aged 9 Months after Vaccination with AIK-C 4 and Schwarz Measles Vaccine Strains, in Ilam, Iran 16 th European Congress of Clinical Microbiology and Infectious Disease, April 1-4, 2006, Nice, France.

19- N. Sadeghifard, et al .Study of nasal carriage rate of Staphylococcus aureus in hospital personnel in Ilam, Iran. 16 th European Congress of Clinical Microbiology

and Infectious Disease, April 1-4, 2006, Nice, France.

20- J.Zaeimi Yazdi, N. Sadeghifard, et al. Antibiotic Resistance and plasmid profiles of Acinetobacter spp. isolated from three hospitals in Tehran, Iran. 16 th European Congress of Clinical Microbiology and Infectious Disease, April 1-4, 2006, Nice, France.

21- M.H. Salari, N. Sadeghifard, et al . Prevalence of nosocomial Clostridium difficileassociated diarrhea in Tehran University of Medical Sciences hospitals. 8 th Iranian congress of the Microbiology, 23-25 May 2006, Isfahan, Iran.

22- N. Sadeghifard, et al. Molecular analysis of Acinetobacter baumannii strains isolated from three teaching hospitals by AP-PCR and RAPD-PCR. 8 th Iranian congress of the Microbiology, 23-25 May 2006, Isfahan, Iran.

23- Amir Ghasemi, Mohammad Hasan Shirazi, Mohamad Reza Khorrami Zadeh, Naser Ebrahimi Daryani, Norkhoda Sadeghifard, Manochehr Ahmadi Hedayati. Study of cagA gene prevalence in Helicobacter pylori strains in each group of patients with NUD, DU, GU and GC. 8 th Iranian congress of the Microbiology, 23-25 May 2006, Isfahan, Iran.

24- Amir Ghasemi, Mohammad hasan Shirazi , Mohammad Reza Khorrami Zadeh , Naser Ebrahimi Daryani , Norkhoda sadeghifard. Study of cagA Heterogenecity in Helicobacter pylori strains isolated from patients with NUD, DU.GU and Gastric Cancer. 8 th Iranian congress of the Microbiology, 23-25 May 2006, Isfahan, Iran.

25- N. Sadeghifard, et al. molecular analysis of Clostridium difficile by PCR-ribotyping.17 th European Congress of Clinical Microbiology and Infectious Disease, 31 march- 3 April, 2007, Munich, Germany.

26- N. Sadeghifard, et al. Antimicrobial susceptibility and AP-PCR typing of Acinetobacter spp. Strains isolated from three teaching hospitals, Tehran, Iran. 17 th European Congress of Clinical Microbiology and Infectious Disease, 31 March- 3 April, 2007, Munich, Germany.

27- R. Ranjbar , M.M. Soltan Dallal , M.R. Pourshafie , M.M. Aslani , N. Sadeghifard , et al. Ribotyping and AND RAPD- PCR analysis suggest a close genetic relation among S.sonnei strains isolated in Tehran, Iran in 2003.IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007.

28- M.H. Salari , N. Sadeghifard , et al. study of nosocomial Clostridium difficile associated diarrhea by culture and tissue culture methods. IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007.

29- M.H. Shirazi , R. Ranjbar , K. Khansari , R. Golmohammadi, N. Sadeghifard. Secondary Bacterial infections in Leishmaniasis lesions. IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007.

30- M.R. Pourmand , M.H. Shirazi , R. Ranjbar , M.H. Salari , Y. Bagheri–Tirtash , A. Najafi , N. Sadeghifard. Isolation of Vibrio paraheamolyticus from fish in Tehran and their antimicrobial resistance. IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007.

31- M.M. Soltan Dallal , M.H. Shirazi , R. Ranjbar , M.H. Salari , M. Jamshidifar , N. Sadeghifard. Isolation and identification of Bacillus cereus from various food samples. IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007. 5

32- M.H. Shirazi , R. Ranjbar , E. Daneshyar , S. Sadeghian, N. Sadeghifard. Urinary tract pathogens in asymptomatic Bacteriuria and their antimicrobial resistance in pregnant women in Hamedan. IFCC-FESCC-Euromed Lab , Amsterdam, 3-7 June 2007

Thesis

1. Evaluation of the Antimicrobial Properties of a Cecropin-Derived Peptide and Silver Nanoparticles against Strains of *Staphylococcus aureus* and *Pseudomonas aeruginosa*: An *in vitro* and *in vivo* Study
2. Investigation of the association of *Helicobacter pylori* copy number, *pks+* bacteria, and *Enterococcus faecalis* with colorectal cancer in paraffin-embedded tissue samples
3. Investigation of the Antimicrobial Effect of a Designed Peptide on Biofilms and Persister Cells of *Pseudomonas aeruginosa*
4. Investigation of the Expression of Type II Toxin-Antitoxin Systems in *Clostridioides difficile* Under Antibiotic Stress and Biofilm Formation Conditions
5. Investigation of the Prevalence of Hospital-Acquired Infections in the Surgery Ward of Imam Khomeini Hospital, Ilam City
6. Investigation of the Prevalence of Hospital-Acquired Infections in ICU Wards 1 and 2 at Imam Khomeini Hospital, Ilam, Iran
7. The Effect of the SEB-TGFalphaL3 Fusion Protein on Apoptosis and the Expression Levels of Genes in the Bcl-2 Family and VEGF in Human Ovarian and Colon Cancer Cell Lines
8. Investigation of the mazE antitoxin as an anti-persister target in clinical samples of *Staphylococcus aureus*
9. Investigation of the effect of carvacrol on the expression levels of biofilm-producing genes in *Enterococcus faecalis* isolates
10. Investigation of the role of the toxin-antitoxin system in the increased expression of genes encoding extended-spectrum beta-lactamases in *Escherichia coli*

Teachings

- Teaching General Microbiology to M.Sc. Students.
- Teaching Clinical Microbiology to Medical Students.

- **Workshops Attended**
- 1) Participating in workshop of molecular techniques including: DNA extraction, Transformation, PCR, RT-PCR, RFLP, Electrophoresis and Gene cloning Organized by Tehran University of medical sciences, Tehran, Iran.2001.
- 2) Attended the Workshop entitled “Research Methods”. Organized by Tehran University of medical sciences, Tehran, Iran.2001.
- 3) Attended the Workshop entitled “Teaching Methods”. Organized by Tehran University of medical sciences, Tehran, Iran.2001.
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Scientificprofiles

ScopusProfile

Google scholar :

https://scholar.google.com/citations?hl=en&user=m4DZgTAAAAAJ&view_op=list_works&sortby=pubdate

Research Gate

ORCID Page

ISID Profile: https://isid.research.ac.ir/Nourkhoda_Sadeghifard

1- Sadeghifard, N., et al.1997. Comparison of rapid urease test, histopathology, and culture for detection of H. pylori in dyspeptic patients. Journa l of Ilam University of Medical sciences, 5: 15-19.
2- E.coli in Ilam, Iran. Journal of Ilam University of Medical sciences, 8: 29-34.
3- Sadeghifard, N. 1999. A study on H.pylori infections in Ilam, Iran. Journal of Ilam university of Medical sciences, 7: 17-22.
4- Sadeghifard, N., et al .2002.Isolation, Verotoxin assay, and Serogrouping of Verotoxigenic E.coli in Ilam, Iran. Journal of Shahid Sadoughi University of Medical Sciences, 10:54-58.
5- Sadeghifard, N., et al.2005. Evaluation of methods for detection of toxigenic Clostridium difficile in stool specimens . Pakistan Journal of Biological Sciences, 8(9): 1256-1260.
6- Shirazi, MH., Ranjbar, R., Hemati, F., Sadeghifard, N. 2005. Bacterial Infections in Renal Transplant Recipients. Iranian J Publ Health. 34 (3): 62-66.
7- Sadeghifard, N., et al.2005. Prevalence of C.difficile - associated diarrhea in Hospitalized patients with nosocomial diarrhea in Tehran University of Medical Sciences Hospitals- Iran . Iranian Journal of Public Health. 34 (4): 67-72.
8- Shirzi, MH., Sadeghifard, N., et al. 2006. Incidence of Asymptomatic Bacteriuria during Pregnancy. Pakistan Journal of Biological Sciences. 9(1): 151-154.
9- Sadeghifard, N., et al. 2006. A Long-Period Survey on Nosocomial infections in Ilam University hospitals, Iran. Pakistan Journal of Biological Sciences. 9(3): 534- 539.
10- Rostamzad A, Sadeghifard N., et al. 2006. Comparison of different laboratory routine methods with adenosine deaminase test for diagnosis of tubeculous pericarditis in two teaching hospitals, Tehran, Iran. Pakistan Journal of Biological Sciences, 9 (14): 2712-2715.
11- Sadeghifard N, et al. 2006. Comparison of Different Laboratory Methods for Diagnosis of Helicobacter pylori. Journal of Biological Sciences, 6(6): 1141-1144.
12- Sadeghifard N, et al. 2006. The Mosaic Nature of Intergenic 16S-23S rRNA Spacer Regions Suggests rRNA Operon Copy Number Variation in Clostridium difficile Strains. Applied and Environmental Microbiology, 72 (11).7311-7323.
13- M. Haghi-Ashteiani, N. Sadeghifard,et al. 2007. Etiology and antimicrobial resistance of Bacterial Urinary tract infections in children' s Medical center, Tehran, Iran. Acta Medica Iranica, 45(2): 153-157.

14- MH Shirazi, R Ranjbar , A Ghasemi, S Paktarigh , N Sadeghifard , et al. 2007. A Survey of Bacterial Infections in Bone Marrow Transplant Recipients. Iranian J Publ Health, 36 (3): 77-81.
15- Sadeghifard N, et al. 2006. A Study of Antimicrobial Resistance of 6 Acinetobacter Baumannii and Non-Acinetobacter Baumannii Strains Isolated from Three Hospitals in Tehran. Journal of Ilam University of Medical sciences, 14 (3): 29-34.
16- Sadeghifard N, et al.2006. A study on Contamination of E.coli_and S.aureus in raw milk in Ilam during 1999-2003. Journal of Ilam University of Medical sciences, 14 (1): 29-34.
17- Shirazi MH, Ghasemi AB, Khorammizadeh MR, Daryani NE, Hosseini ME, Sadeghifard N. 2006. A Study of CagA Gene in Helicobacter Pylori Strains Isolated from Patients with NUD, Peptic Ulcer and Gastric Cancer by PCR method. Journal of Ilam University of Medical sciences, 14 (3): 22-28.
18- Reza Ranjbar, Aurora Aleo, Giovanni M Giammanco, Anna Maria Dionisi, Nourkhoda Sadeghifard, et al. 2007. Genetic relatedness among isolates of Shigella sonnei carrying class 2 integrons in Tehran, Iran, 2002–2003. BMC Infectious Diseases, 7:62 .
19- R. Ranjbar, E. Salimkhani, N.Sadeghifard, et al. 2007. An outbreak of Gastroenteritis of unknown origin in Tehran, July 2003. Pakistan Journal of Biological Sciences, 10 (7): 1138-1140.
20- M.H. Shirazi, R.Ranjbar, S.Eshraghi, G.Sadeghi, N.Jonaidi, N. Bazzaz, M.Izadi, N.Sadeghifard. 2007. An evaluation of antibacterial activity of Glycyrrhiza glabra extract on the growth of Salmonella, Shigella and ETEC E.coli. Journal of Biological Sciences, 7 (5): 827-829.
21- M.Y. Alikhani, N.Sadeghifard, et al. 2007. Evaluation of selective and nonselective media for isolation of Helicobacter pylori from gastric biopsy specimens. Pakistan Journal of Biological Sciences, 10 (22): 4156-4159.
22- Pourshafie MR, Bakhshi B, Ranjbar R, Sedaghat M, Sadeghifard N, et al. 2007.Dissemination of a single Vibrio cholerae clone in cholera outbreaks during 2005 in Iran. J Med Microbiol, 56(Pt 12):1615-9.
23- M.H. Shirazi, R.Ranjbar, M.H.Salari, Y. Bagheri- Tirtash , A.Najafi, N.Sadeghifard. 2007. Isolation of Vibrio paraheamolyticus from fish in Tehran and their antimicrobial resistance. Iranian Journal of Infectious Diseases and Tropical Medicine, 11 (35): 65-68.
24- M.M. Soltan Dallal , M.H. Shirazi , R. Ranjbar , M.H. Salari , M. Jamshidifar , N. Sadeghifard. 2007. Isolation and identification of Bacillus cereus from various food samples. Iranian Journal of Infectious Diseases and Tropical Medicine, 12 (37): 25-28.
25- M.H. Shirazi , R. Ranjbar , E. Daneshyar , S. Sadeghian, N. Sadeghifard. 2007. Urinary tract pathogens in asymptomatic Bacteriuria and their antimicrobial resistance in pregnant women in Hamedan. Iranian Journal of Infectious Diseases and Tropical Medicine, 12 (36): 53-58.
26- R Ranjbar, N Sadeghifard, et al.2007. Antimicrobial Susceptibility and AP-PCR Typing of Acinetobacter Spp. Strains. Iranian J Publ Health, 36 (4): 50-56.

- ***Member of the***

Publication

Membership

Member of Iranian Society of Microbiology.