



## Curriculum vitae

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## Education:

- 1971-75: B. Sc. in Laboratory Sciences, Faculty of Medicine, University of Tabriz, Iran.
- 1979-80: M.Sc. in Microbiology, Faculty of Medicine, University of Newcastle upon Tyne, Newcastle upon Tyne, England, UK.
- 1979-83: Ph.D. in Microbiology, Faculty of Medicine, University of Newcastle upon Tyne, Newcastle upon Tyne, England, UK.
- 2002 : Fellowship of Molecular Microbiology, Faculty of Medicine, University of Newcastle upon Tyne, Newcastle upon Tyne, UK.

## Professional employment:

- 1977- 83: Instructor of Microbiology, Faculty of Medicine, University of Tabriz, Tabriz, Iran.
- 1983- 90: Assistant Professor of Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
- 1990- 98: Associate Professor of Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
- 1998- Now: Professor of Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.

## International Publications:

1. M. Goodfellow, G. Alderson, **M.R. Nahaie**, G. Peters, F. Schumacher-Perdreau, G. Pulverer, P.B. Heczke, and M. Mordarski. Numerical taxonomy of staphylococci. *Zbl Bakt Hyg A256*, 7-24, 1983.
2. **Mohammad R. Nahaie**, Michael Goodfellow and Colin R. Harwood. A rapid screening procedure for staphylococcal plasmids. *Journal of Microbiological Methods* 2:73-81, 1984.
3. **M.R. Nahaie**, M. Goodfellow, D. E. Minnikin and V. Hajek. Polar lipids and isoprenoid quinon composition in the classification of staphylococci. *Journal of General Microbiology* 130(9): 2427- 2437, 1984.
4. A.G.O. Donnel, **M.R. Nahaie**, M. Goodfellow, D.E. Minnikin and V. Hajek. Numerical analysis of fatty acid profiles in the identification of staphylococci. *Journal of General Microbiology* 131(8): 2023-2033, 1985.
5. **M.R. Nahaie**, M. Goodfellow and C.R. Harwood. The influence of plasmids and genetic change on the classification of staphylococci. J. Jeljaszewics (Ed.), *The staphylococci. Zbl .Bakt. Suppl. 14*. Gustav Fischer Verlag. Stuttgart. New York, pp 135-136, 1985.
6. C.E.R. Dodd, **M.R. Nahaie**, M. Goodfellow and C.R. Harwood. Distribution of tetracycline plasmids amongst representatives of the genus *Staphylococcus*. *Zbl. Bakt. Suppl. 14.*\_ J. Jeljaszewicz (Ed.), *The staphylococci. Gustav Fischer Verlag*. Stuttgart. New York. pp 481-482, 1985.
7. Michael Goodfellow, Colin R. Harwood and **Mohammad R. Nahaie**. Impact of plasmids and genetic change on the classification of staphylococci. *Zentralblatt fur Bakteriologie A266(1-2)*: 60-85, 1987.
8. Farzaneh Lotfipour, **Mohammad Reza Nahaei**, Mortaza Milani, Vahid Javaherzadeh, Amin Omrani, Navid Attar. Antibacterial activity of germicide P: A persulfate based detergent/ disinfectant on some hospital isolates. *Iranian Journal of Pharmaceutical Sciences* 2(4): 225-230, 2006.
9. Mohammad Asgharzadeh, Saber Yousefee, Hossein Samadi Kafil, **Mohammad Reza Nahaei**, Khalil Ansarin and Mohammad Taghi Akhi. Comparing Transmission of *Mycobacterium tuberculosis* in East Azarbaijan and West Azarbaijan Provinces of Iran by Using IS6110-RFLP Method. *Biotechnology* 6(2): 273-277, 2007.

10. Reza Ghotaslou, Ziaadin Ghorashi and **Mohammad Reza Nahaei**. *Klebsiella pneumoniae* in Neonatal Sepsis: A 3-Year-Study in the Pediatric Hospital of Tabriz, Iran. *Japanese Journal of Infectious Diseases* 60(2-3): 126-128, 2007.
11. **Mohammad Reza Nahaei**, Nahid Ghandchilar, Nemat Bilan and Parivash Ghahramani. Maternal Carriage and Neonatal Colonization of *Streptococcus agalactiae* in Tabriz, Northwest Iran. *Iranian Journal of Medical Sciences* 32(3): 176-180, 2007.
12. Mohammad Asgharzadeh, Saber Yousefee, **Mohammad Reza Nahaei**, Mohammad Taghi Akhi, Khalil Ansarin and Hossein Samadi Kafil. IS6110 fingerprinting of *Mycobacterium tuberculosis* strains isolated from northwest of Iran. *Research Journal of Microbiology* 2(12): 940-946, 2007.
13. **Mohammad Reza Nahaei**, Yaeghob Sharifi, Mohammad Taghi Akhi, Mohammad Asgharzadeh, Mehrnaz Nahaei and Ebrahim Fatahi. *Helicobacter pylori cagA* and *vacA* genotypes and their relationships to peptic ulcer disease and non-ulcer dyspepsia. *Research Journal of Microbiology* 3(5): 386-394, 2008.
14. M Nikbakht, **MR Nahaei**, MT Akhi, M Asgharzadeh, S Nikvash. Molecular fingerprinting of methicillin-resistant *Staphylococcus aureus* strains isolated from patients and staff of two Iranian hospitals. *Journal of Hospital Infection* 69(1): 46-55, 2008.
15. Mohammad Taghi Akhi, **Mohammad Reza Nahaei**, Mojtaba Nikbakht and Mohammad Asgharzadeh. Molecular fingerprinting of methicillin-resistant *Staphylococcus aureus* isolates in hospital staff and patients. *Research Journal of Microbiology* 3(6): 436-446, 2008.
16. Saber Yousefee, **Mohammad Reza Nahaei**, Bita Zareekar, Yaghoub Sharifi, Morteza Milani, Farzaneh Lotfipour. Comprison of antibiotic sensitivity of prevalent bacteria isolated from urinary tract infections in 2002 and 2006 in Urmia, Iran. *Iranian Journal of Pharmaceutical Sciences* 5(3): 135-140, 2009.
17. Parnia Fereydon, Hafezeqoran Ali, Moslehifard Elnaz, Mahboub Farhang, **Nahaei Mohammad Reza**, Akbari Dibavar Mohammad. Effect of different disinfectants on *Staphylococcus aureus* and *Candida albicans* transferred to alginate and polyvinylsiloxane impression materials. *Journal of Dental Research, Dental Clinics, Dental Prospects* 3(4): 122-125, 2009.
18. Sahar Navidghasemizad, Javad Hesari, **Mohammad Reza Nahaei**. Isolation of lactic acid bacteria from Lighvan cheese, a semihard cheese made from raw sheep milk in Iran. *International Journal of Dairy Technology* 62(2): 260-264, 2009.
19. Yousefi S, **Nahaei MR**, Farajnia S, Ghojazadeh M, Akhi MT, Sharifi Y, Milani M, Ghotaslou R. Class 1 integron and imipenem resistance in clinical isolates of *Pseudomonas aeruginosa*: prevalence and antibiotic susceptibility. *Iranian Journal of Microbiology* 2(3): 113-119, 2010.

20. Forouhandeh H, Zununi Vahed S, Hejazi MS, **Nahaei MR**, Akbari Dibavar M. Isolation and phenotypic characterization of *Lactobacillus* species from various dairy products. *Current Research in Bacteriology* 3(2): 84-88, 2010.
21. Yousefi S, Farajnia S, **Nahaei MR**, Akhi MT, Ghotaslou R, Soroush MH, Naghili B, Jazani NH. Detection of metallo-beta-lactamase-encoding genes among clinical isolates of *Pseudomonas aeruginosa* in northwest of Iran. *Diagn Microbiol Infect Dis* 68(3): 322-325, 2010.
22. Sohrabi N, Akhi MT, Farajnia S, **Nahaei MR**, Ahangarzadeh Rezaei M. PER-1 type extended-spectrum beta lactamase producing *Acinetobacter baumannii* isolated from clinical specimens in Tabriz, Iran. *Pakistan Journal of Medical Sciences* 26(4): 769-772, 2010.
23. Hamid Mirzaei, **Mohammad Reza Nahaei**, Javadi A, Ahmadi-Manesh M. Effect of some probiotics on *Escherichia coli* O<sub>157</sub>: H<sub>7</sub> during associated growth in milk. February 2010.
24. Amir Peymani, **Mohammad Reza Nahaei**, Safar Farajnia, Alka Hasani, Akbar Mirsalehian, Nasrollah Sohrabi and Laleh Abbasi. High prevalence of metallo-beta-lactamase-producing *Acinetobacter baumannii* in a teaching hospital in Tabriz, Iran. *Jpn J Infect Dis* 64(1): 69-71, 2011.
25. Yousefi S, **Nahaei MR**, Farajnia S, Akhi MT, Ghotaslou R, Lotfipour F, Soroush MH. Metallo beta-lactamase producing *Pseudomonas aeruginosa* in two teaching hospitals, their antimicrobial susceptibility and serotypes. *Journal of Chemotherapy* 23(2): 114-116, 2011.
26. Peymani A, Higgins PG, **Nahaei MR**, Farajnia S, Seifert H. Characterisation and clonal dissemination of OXA-23-producing *Acinetobacter baumannii* in Tabriz, northwest Iran. *International Journal of Antimicrobial Agents* 39(6): 526-528, 2012.
27. Peymani A, Farajnia S, **Nahaei MR**, Sohrabi N, Abbasi L, Ansarin K, Azhari F. Prevalence of class 1 integron among multidrug-resistant *Acinetobacter baumannii* in Tabriz, northwest of Iran. *Pol J Microbiol* 61(1):57-60, 2012.
28. Sohrabi N, Farajnia S, Akhi MT, **Nahaei MR**, Naghili B, Peymani A, Amiri Z, Rezaee MA, Saeedi N. Prevalence of OXA-Type beta-lactamases among *Acinetobacter baumannii* isolates from northwest of Iran. *Microb Drug Resist* 18(4): 385-389, 2012.
29. Milani M, Ghotaslou R, Akhi MT, **Nahaei MR**, Hasani A, Somi H, Rafeey M, Sharifi Y. The status of antimicrobial resistance of *Helicobacter pylori* in Eastern Azerbaijan, Iran: Comparative study according to demographics. *J Infect Chemother* 18(6): 848-52, 2012.
30. Pajand O, Rezaee MA, **Nahaei MR**, Mahdian R, Aghazadeh M, Soroush MH, Tabrizi MS, Hojabri Z. Study of the carbapenem resistance mechanisms in clinical isolates of *Acinetobacter baumannii*: comparison of burn and non-burn strains. *Burns* 39(7):1414-9, 2013.
31. Rezaee MA, Pajand O, **Nahaei MR**, Mahdian R, Aghazadeh M, Ghojazadeh M, Hojabri Z. Prevalence of Ambler class A beta-lactamases and ampC expression in cephalosporin-resistant isolates of *Acinetobacter baumannii*. *Diagn Microbiol Infect Dis* 76(3):330-4, 2013.

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35. Ghotaslou R, Milani M, Akhi MT, **Nahaei MR**, Hasani A, Hejazi MS, Meshkini M. Diversity of *Helicobacter pylori* *cagA* and *vacA* genes and its relationship with clinical outcomes in Azerbaijan, Iran. *Adv Pharm Bull* 3(1): 57-62, 2013.
36. Hojabri Z, Ahangarzadeh Rezaee M, **Nahaei MR**, Soroush MH, Ghojazadeh M, Pirzadeh T, Davodi M, Ghazi M, Bigverdi R, Pajand O, Aghazadeh M. Comparison of *in vitro* activity of doripenem versus old carbapenems against *Pseudomonas aeruginosa* clinical isolates from both CF and burn patients. *Adv Pharm Bull* 3(1):121-5, 2013
37. Reza Ghotaslou, Morteza Milani, Mohammad Taghi Akhi, **Mohammad Reza Nahaei**, Alka Hasani, Yaeghob Sharifi. Relationship between drug resistance and *cagA* gene in *Helicobacter pylori*. *Jundishapur Journal of microbiology* 6(10): e8480, 2013.
38. Pajand O, Hojabri Z, **Nahaei MR**, Hajibonabi F, Pirzadeh T, Aghazadeh M, Fasciana T, Bonura C, Mammina C. In vitro activities of tetracyclines against different clones of multidrug-resistant *Acinetobacter baumannii* isolates from two Iranian hospitals. *Int J Antimicrob Agents* 43(5):476-8, 2014.
39. Aghazadeh M, Hojabri Z, Mahdian R, **Nahaei MR**, Rahmati M, Hojabri T, Pirzadeh T, Pajand O. Role of efflux pumps: MexAB-OprM and MexXY(-OprA), AmpC cephalosporinase and OprD porin in non-metallo- $\beta$ -lactamase producing *Pseudomonas aeruginosa* isolated from cystic fibrosis and burn patients. *Infect Genet Evol* 24: 187-92, 2014.
40. Pajand O, Mahdian R, **Nahaei MR**. Response to letter to the editor: *Acinetobacter baumannii* using several mechanisms for carbapenem resistance. *Burns* 40(5):1052-3, 2014.
41. Sevil Hariri Ahari, Homayun Dolatkah, Mohammad Hossein Somi, **Mohammad Reza Nahaei**, Ahmad Mirza Aghazadeh and Mohammad Nouri. Evaluation of serum lipid profiles in subjects infected and non-infected with *Helicobacter pylori*. *Advances in Environmental Biology* 8(17): 661-667, 2014.
42. Maryam Zarringhalam Moghaddam, **Mohammad Reza Nahaei**, Hossein Samadi Kafil, Firozeh Safaeyan. Bacteriocins of four Lactobacilli species isolated from yogurt can inhibit growth and verotoxin production in *Escherichia coli* O157:H7. *Journal of Pure and Applied Microbiology* 8(6): 4517-4524, 2014.
43. Akhi MT, **Nahaei MR**, Lari AR, Naghili B, Pirzadeh T, Memar MY, Asghari B. Class D OXA-48 carbapenemase in *Escherichia coli* and *Klebsiella pneumoniae*: an emerging threat to burn patients. *Journal of Pure and Applied Microbiology* 8(3): 2299-2307, 2014.

44. Mohammad Taghi Akhi, Babak Asghari, **Mohammad Reza Nahaei**, Mohammad Yousef Memar, Abdolaziz Rastgar Lari, Behrouz Naghili, Tahreh Pirzadeh. Comprison of *in vitro* activities of meropenem products on *Klebsiella pneumoniae* isolated from hospitalized patients. *GMS Hygiene and Infection Control* 9(2): Doc12, 2014.
45. Mohammad Taghi Akhi, **Mohammad Reza Nahaei**, Abdolaziz Rastegar Lari, Babak Asghari. Class D OXA-48 carbapenemase in *Escherichia coli* and *Klebsiella pneumoniae*: An emerging threat to burn patients. *Journal of Pure and Applied Microbiology* 8(3):2299-2307, 2014.
46. Farzaneh Khoei, Haedeh Mobaiyen, **Mohammad Reza Nahaei**, Sanam Sadeghi Mohammadi. Antibiotic resistance pattern and frequency of *mecA* gene in *Staphylococcus aureus* isolated from Shohada hospital, Tabriz, Iran. *Journal of Medical Microbiology and Infectious Diseases* 2(3):105-108, 2014.
47. Firouzeh Safaeyan, **Mohammad Reza Nahaei**, Sirus Jedary Seifi, Hossein Samadi Kafil, Javid Sadeghi. Quantitative detection of *Staphylococcus aureus*, *Streptococcus pneumoniae*, and *Haemophilus influenzae* in patients with new influenza A (H1N1)/2009 and influenza A/2010 virus infection. *GMS Hygiene and Infection Control* 10: 1-11, 2015.
48. Sargol Fattahi, Hossein Samadi Kafil, **Mohammad Reza Nahaei**, Mohammad Asgharzadeh, Roghaya Nori, Mohammad Aghazadeh. Relationship of biofilm formation and different virulence genes in uropathogenic *Escherichia coli* isolates from Northweat Iran. *German Medical Science: GMS e-journal* 07/2015; 10: Doc 11: 10. 3205/dgkh000294, 2015.
49. M. Enayati, M. Oshaghi, A. Ahmadi, **M.R. Nahaei**, M. Aghazadeh, M.R. Pourshafie and M. Talebi. Detection of *Esp* Enterococcal Surface Protein and *Bacteroides* Markers in Water Samples. *Current Research in Bacteriology* 8 (1): 11-17, 2015.
50. M Enayati, J Sadeghi, **MR Nahaei**, M Aghazadeh, MR Pourshafie, M Talebi. Virulence and antimicrobial resistance of *Enterococcus faecium* isolated from water samples. *Letters in Applied Microbiology* 61: 339-345, 2015.
51. Leila Yousefi, Reza Ghotaslou, Mohammad Taghi Akhi, Mohammad Aghazadeh, **Mohammad Reza Nahaei**, Mandana Rafeey. Frequency of *Helicobacter pylori* blood-group antigen-binding adhesion 2 and sialic acid binding adhesion genes among dyspeptic patients in Tabriz, Iran. 06/2015, 3(2): 71-76. DOI: 10. 15171/jarcm. 011, 2015.
52. **Mohammad Reza Nahaei**, Mohammad Reza Shahmohammadi, Shiva Ebrahimi, Morteza Milani. Detection of methicillin resistant coagulase negative staphylococci and surveillance of antibiotic resistance in a multi center study from Iran. *Jundishapur Journal of Microbiology* 8(8), DOI: 10.5812/jjm. 1995v2, 2015.
53. Sarem Mohammad, **Mohammad Reza Nahaei**. The Frequency of *Klebsiella pneumoniae* Strains Producing Extended-Spectrum Beta-Lactamases (ESBL) with Phenotypic and Genotypic Methods in Hospitals of Ardebil. *Biosciences Biotechnology Research Asia* 12(Special-Edn2):821-826, 2015.
54. Mohammad Aghazadeh, Soyar Sari, **Mohammad Reza Nahaei**, Samaneh Mehri. Prevalnce and Antibiotic Susceptibility Pattern of *E. coli* Isolated from Urinary Tract Infection in Patients with Renal Failure Disease and Renal Transplant Recipients. *Tropical Journal of Pharmaceutical Research* 14(4):649-653, 2015.

55. Mohammad Reza Shahmohammadi, **Mohammadreza Nahaei**, Abolfazl Akbarzadeh, Morteza Milani. Clinical test to detect *mecA* and antibiotic resistance in *Staphylococcus aureus*, based on novel biotechnological methods. *Artificial cells, Nanomedicine, and Biotechnology* 44(6): 1464-1468, 2016.
56. Hamid Reza Goli, **Mohammad Reza Nahaei**, Mohammad Ahangarzadeh Rezaee, Alka Hasani, Hossein Samadi Kafil, Mohammad Aghazadeh. Emergence of colistin resistant *Pseudomonas aeruginosa* at Tabriz hospitals, Iran. *Iranian Journal of Medical Microbiology* 8(1): 302-309, 2016.
57. Hamid Reza Goli, **Mohammad Reza Nahaei**, Mohammad Ahangarzadeh Rezaee, Alka Hasani, Hossein Samadi Kafil, Mohammad Aghazadeh. Contribution of *mexAB-oprM* and *mexXY (-oprA)* efflux operons in antibiotic resistance of clinical *Pseudomonas aeruginosa* isolates in Tabriz, Iran. *Infection Genetics and Evolution* 45: 75-82, 2016.
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59. **Mohammad Reza Nahaei**, Mahsa Kalejahi, Parisa Rahbarfam, Farzaneh Lotfipour. Evaluation the antibacterial effects of two commercial products of *Eucalyptus globulus* against common microbial causes of respiratory tract infections. *Pharmaceutical Sciences* 22(4):285-290, 2016.
60. Hilda Akbariyeh, **Mohammad Reza Nahaei**, Alka Hasani, Ali Pormohammad. Intrinsic and acquired methicillin-resistance detection in *Staphylococcus aureus* and its relevance in therapeutics. *Arch Pediatr Infect Dis*. Published online, January; 5(1):e39185, 2017.
61. Mojtaba Nikbakht, Mohammad Ahangarzadeh Rezaee, Alka Hasani, **Mohammad Reza Nahaei**, Javid Sadeghi, Sirius Jedari Seifi. Phenotypic and genotypic study of inducible clindamycin resistance in clinical isolates of *Staphylococcus aureus* in Tabriz, northwest Iran. *Jundishapur J Microbiology* January; 10(1):e39274, 2017.
62. Mojtaba Nikbakht, Mohammad Ahangarzadeh Rezaee, Alka Hasani, **Mohammad Reza Nahaei**, Javid Sadeghi, Sirius Jedari Seifi. Molecular characterization and antimicrobial susceptibility pattern of methicillin-resistant *Staphylococcus aureus* isolates in Tabriz, Northwest of Iran. *Archives of Pediatric Infectious Diseases* 2017 October; 5(4): e61620, 2017.
63. Sargol Fattahi, Mohammad Aghazadeh, **Mohammad Reza Nahaei**, Mohammad Ahangarzadeh, Hossein Samadi Kafil. Comparison of virulence factors *fimA*, *papC*, and *hly* among uropathogenic *Escherichia coli* isolates producing and nonproducing extended spectrum beta-lactamases. *Annals of Tropical Medicine and Public Health* 10(2): 404-408, 2017.
64. Hamidreza Goli, **Mohammad Reza Nahaei**, Mohammad Ahangarzadeh Rezaei, Vajihah Sheikhalzadeh. Prevalence and molecular characterization of class 1 integrons among clinical isolates of *Pseudomonas aeruginosa* in northwest of Iran. *Molecular Genetics Microbiology and Virology* 32(2):109-115, 2017.
65. Mahsa Choukhachian, **Mohammad Reza Nahaei**, Mohammad Ahangarzadeh Rezaee and Javid Sadeghi. High-level Gentamicin Resistance and Detection of *aac (6')Ie-aph(2'')Ia* Gene in



Enterococci Isolated from Pediatric Hospital in Northwest of Iran. *Arch Clin Infect Dis.* 13(5):e62921, 2018.

## Other Publications (Internal Journals):

1. **Nahaei MR**, Jalali A, Nikvash S. Two rapid methods in detection of beta-lactamase enzyme in ampicillin-resistant enterobacteriaceae and their relation with MIC. *Med J Tabriz Univ Med Sc* 5: 56-73, 1988.
2. **Nahaei MR**. Distribution of tetracycline plasmids in the genus *Staphylococcus*. *Scientific Medical Journal of Ahwaz University of Medical Sciences*. Monograph No. 5: 1-24, 1989.
3. Rahmati BA, **Nahaei MR**, Fatahi E. Prevalence of *Helicobacter (Campylobacter) pylori* in patients with peptic disease. *Med J Tabriz Univ Med Sc* 13 & 14: 55-64, 1991.
4. Rahmati BA, **Nahaei MR**. A report of the first case of *Gastroprillum hominis* from Iran. *Iranian J Medical Sc* 17(1&2): 84-86, 1992.
5. Ebrahimpour S, Maboudi M, Jalali A, **Nahaei MR**, Bilan N. Lactate of cerebrospinal fluid in diagnosis of bacterial meningitis from viral meningitis, *Med J Tabriz Univ Med Sc* 23: 3-14, 1994.
6. Jalali A, **Nahaei MR**, Maboudi M, Ebrahimpour S, Bilan N. Prevalent bacteria causing meningitis in children and adults of Tabriz (1991-92). *Med J Tabriz Univ Med Sc* 24: 43-55, 1994.
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8. **Nahaei MR**. Role of plasmid change and chromosomal mutation in classification and identification of staphylococci. *Med J Tabriz Univ Med Sc* 27: 99-117, 1995.
9. Shenasi A, **Nahaei MR** & Shafizadeh H. Study of eye drops for sterility before and during use. *Med J Tabriz Univ Med Sc* 29: 73-91, 1995.
10. **Nahaei MR**, Pourzand A & Irani N. Intraabdominal infections with special reference to anaerobes and effect of third-generation cephalosporins and metronidazole on isolated strains. *Med J Tabriz Univ Med Sc* 28: 115-134, 1996.
11. **Nahaei MR**, Hassanzadeh M. Genital infections in women with special reference to mycoplasma in Tabriz. *Med J Tabriz Univ Med Sc* 32: 91-103, 1996.

12. Jalali A, **Nahaei MR**, Dadghar M, Ebrahimpour S, Karbassizadeh M. *Chlamydia trachomatis* in non-gonococcal urethritis of men in Tabriz. *Med J Tabriz Univ Med Sc* 33: 32-41, 1997.
13. Mahdavi F, **Nahaei MR**, Fatahi E. Bacteriologic study of *Helicobacter pylori* in non-ulcer dyspepsia patients in Tabriz (1994-96). *Med J Tabriz Univ Med Sc* 33: 135-143, 1997.
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15. Mahdavi F, **Nahaei MR**, Pourzand A, Fatolahzadeh J. Post-surgical infections in patients of Imam Khomeini and Sina hospitals of Tabriz. *Med J Tabriz Univ Med Sc* 35: 105-114, 1997.
16. Fatahi E, Mahdavi F, **Nahaei MR**. Effects of various drugs on non-ulcer dyspepsia in endoscopy ward of Imam Khomeini medical center of Tabriz. *Med J Tabriz Univ Med Sc* 38: 73-81, 1998.
17. Vejdani H, **Nahaei MR**, Zolfaghari A. Bacteria isolated from patients with prostatitis and their antibiotic-resistance profiles. *Med J Tabriz Univ Med Sc* 38: 100-104, 1998.
18. Akhi MT, **Nahaei MR**. Aerobic bacteria isolated from wounds and soft tissue infections in 7th Tir medical center of Tabriz (1994-95). *Med J Tabriz Univ Med Sc* 39&40: 1-7, 1998.
19. Vejdani MH, **Nahaei MR**, Gorabchi H & Razavi M. Asymptomatic bacteriuria in pregnant women and antibiotic-sensitivity of isolated bacteria in Tabriz (1995-96). *Med J Kerman Univ Med Sc* 4: 165-170, 1998.
20. **Nahaei MR**, Mobaien H & Naghili B. Study of *Pseudomonas aeruginosa* in burn unit patients and equipment and their antibiotic sensitivity and pyocin types. *Res J Tabriz Univ Med Sc* 1: 9-19, 1999.
21. **Nahaei MR**, Mahdavi F, Zolfaghari A, Imani M. Post-cystoscopy bactremia in Imam Khomeini medical center of Tabriz. *Res J Tabriz Univ Med Sc* 2: 50-58, 1999.
22. Naghili B, **Nahaei MR**, Zolfaghari A, Mahdavi F, Kiafard Z. Antibacterial activity of ciprofloxacin, ofloxacin, trimethoprim-sulfametaxazole, nalidixic acid and nitrofurantoin in urine of healthy individuals. *Med J Tabriz Univ Med Sc* 44: 51-62, 1999.
23. **Nahaei MR**, Vejdani MH, Gorabchi H, Razavi M. Factors predisposing asymptomatic bacteriuria in 100 pregnant women of Tabriz. *Med J Tabriz Univ Med Sc* 44: 63-68, 1999.
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5. Bacterial infections in children with acute leukemia. *The First Congress of Pediatrics Infectious Diseases*. Shahid Beheshti University of Medical Sciences; Tehran, Iran (October, 1990).
6. Prevalence of *Helicobacter (Campylobacter) pylori* in patients with peptic disease. *2nd Congress of Iranian Internists*. Shiraz University of Medical Sciences, Shiraz, Iran (March, 1990).
7. Prophylactic antibiotic therapy in surgery. *The Congress of Iranian Surgeons*. Tabriz University of Medical Sciences, Tabriz, Iran (March, 1991).
8. Antibiotic sensitivity patterns of bacteria isolated from urinary tract infections in Iman Khomeini Medical Center of Tabriz. *4th Iranian Pharmaceutical Congress*. Tabriz University of Medical Sciences, Tabriz, Iran (October, 1992).
9. Study of beta - haemolytic group B streptococci (GBS) in pregnant women and its role as a cause of neonatal sepsis and meningitis. *The First Iranian Congress of Microbiology*. Mazandaran University of Medical Sciences, Sary, Iran (November, 1992).
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12. Prevalent bacteria causing UTI and P fimbriated *E. coli* on childhood's UTI. *3rd Iranian Congress of Biochemistry and Laboratory Sciences*. Tabriz University of Medical Sciences. Tabriz, Iran (September, 1995).
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17. Anaerobic bacteria isolated from surgical specimens and their sensitivities to the third - generation cephalosporins and metronidazole. *2nd Iranian Congress of Microbiology*, Yazd University of Medical Sciences, Yazd, Iran (April, 1996).
18. *Helicobacter pylori* infection in patients with dyspepsia. *7th Iranian Congress of Internists*. Shahid Beheshti University of Medical Sciences. Tehran, Iran (April, 1996).
19. Prevalence of *Streptococcus agalactiae* in pregnant women and their neonates and report of meningitis and septicemia. *7th Congress of Infectious Diseases and Tropical Medicine*. Babol University of Medical Sciences, Babol, Iran (October, 1998).
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23. Effect of Kandowan mineral water in prevention and treatment of urinary calculus. *The 6<sup>th</sup> Iranian Congress of Nephrology, Dialysis and Transplantation*, Iranian Nephrology Society, Tehran, Iran (March, 2000).
24. Bacteriologic study of *H. pylori* in 194 biopsy specimens obtained from peptic ulcer patients and sensitivity of isolated strains against metronidazole. *The 3rd Microbiology Congress of Iran*. Hamadan University of Medical Sciences, Hamadan, Iran (August, 2000).
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26. Bacteriologic Study of 8775 blood cultures obtained from 3945 patients in Imam Khomeini hospital of Tabriz. *The 3rd Microbiology Congress of Iran*. Hamadan University of Medical Sciences, Hamadan, Iran (August, 2000).
27. Urinary tract infections in 2-9 years old girls and their secretor and non - secretor status. *The 3rd Microbiology Congress of Iran*. Hamadan University of Medical Sciences. Hamadan, Iran (August, 2000).
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29. Sensitivity of *Staphylococcus epidermidis* to chlorhexidine. *The 4th Iranian Congress of Microbiology*. Shahed University, Tehran, Iran (November, 2001).
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42. Bacteriologic study of *Mycobacterium tuberculosis* in patients referred to central TB laboratory of West Azerbaijan. *The 7<sup>th</sup> Iranian Congress of Microbiology*. Semnan University of Medical Science, Semnan, Iran, (Feb, 2005).
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48. Isolation and antibiotic sensitivity of bacteria causing urinary tract infection. *The 7<sup>th</sup> Iranian Congress of Microbiology*. Semnan University of Medical Sciences, Semnan, Iran (Feb, 2005).
49. Using bacteria for refining wastewaters produced in factories on the basis of linear alkyl benzene sulfonate (LABS). *The 7<sup>th</sup> Iranian Congress of Microbiology*. Semnan University of Medical Sciences, Semnan, Iran (Feb, 2005).
50. Study of mobilized leukocytes in urinary tract. *First International Congress on Immunodeficiency Disorders*, Tehran, Iran (28 February–2 March 2005).
51. Bioinformatic molecular information. *First Congress of Molecular Microbiology*, Azad Islamic University of Shahryar, Ghods city, Iran (25 May, 2005).
52. Molecular variation in *Mycobacterium tuberculosis* isolates using IS 6110 in Urmia. *Second International Congress on Pulmonary Diseases, Intensive Care and Tuberculosis*, Tehran, Iran (15-18 Nov, 2005).
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54. Comparison of pseudomonas and aeromonas in hydrolysis of linear alkylbenzene sulfonate "LABS" present in detergents. *8<sup>th</sup> National Congress on Environmental Health*, Tehran, Iran (8-10 Nov, 2005).
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63. Molecular epidemiology of *Mycobacterium tuberculosis* isolates collected from tuberculosis patients in east and west Azerbaijan provinces. *The 8<sup>th</sup> Iranian National Congress of Microbiology*, Isfahan, Iran (23 – 25 May, 2006).
64. *Helicobacter pylori vacA* genotype and its relationship to the associated diseases. 6<sup>th</sup> *Helicobacter pylori Sminar, HPS-6*, Tehran, Iran (15 June, 2006).
65. Detection of *Helicobacter pylori* with a single stomach biopsy and specimen by using urease test and culture. 6<sup>th</sup> *Helicobacter pylori Sminar, HPS-6*, Tehran, Iran (15 June, 2006).
66. Resistance of *Staphylococcus aureus* and *Staphylococcus epidermidis* against chlorhexidine. 10<sup>th</sup> *Iranian Pharmaceutical Sciences Conference (IPSC 2006)*, Tehran, Iran (21-24 August, 2006).
67. Antibiotic resistance profiles and molecular study of CTX-M type extended spectrum beta-lactamase enzyme in *Klebsiella pneumoniae* isolates collected from ICU wards of Tabriz hospitals. 15<sup>th</sup> *Iranian Congress of Infectious and Tropical Diseases*, Tehran, Iran (Nov, 2006).
68. Laboratory diagnosis methods in detection of methicillin and vancomycin (hVISA, VISA, VRSA) resistant *Staphylococcus aureus* isolates. *Congress of Laboratory and Clinic (Laboratory and Internal Medicine)*, Iranian Scientific Society of Laboratory, Tehran, Iran (Dec, 2006).
69. Anti biotype and molecular study of CTX-M type extended – spectrum beta lactamases (ESBLs) of *Klebsiella pneumoniae* strains isolated from intensive care units in Tabriz hospitals. 6<sup>th</sup> *International Symposium on Antimicrobial Agents and Resistance (ISAAR)*, Raffles City Convention Center, Singapore (March 7-9, 2007).
70. Bacteriologic tests in diagnosis of urinary tract infection sites. 1<sup>st</sup> *Iranian Congress of Clinical Microbiology*, Shiraz, Iran (8-10 May 2007).
71. First report of CTX-M type beta-lactamase producing clinical *Escherichia coli* isolates from intensive care units in Tabriz hospitals. 1<sup>st</sup> *Iranian Congress of Clinical Microbiology*, Shiraz, Iran (8-10 May 2007).
72. Study of *Helicobacter pylori* strains isolated from patients with dyspeptic disorders in Tabriz. 7<sup>th</sup> *Helicobacter pylori Seminar, HPS 2007*, Tehran, Iran (21 June 2007).
73. Study of risk factors in tuberculosis at east and west Azerbaijan provinces. 18<sup>th</sup> *Congress of Tuberculosis*, Sanandaj, Iran (Sep., 2007).
74. Antibacterial activity of certain disinfectants on some hospital isolates in Iran. *Congruence of Pharmaceutical Sciences, Practice and Research* (Asian Association of Schools of Pharmacy "AASP" 2007 Conference- Philippines), Makati City, Philippines (25-28 October 2007).

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76. Impact of oxacillin screening method using different dilutions in clinical isolates of *Staphylococcus epidermidis*. *The 1<sup>st</sup> International and 6<sup>th</sup> Iranian Congress of Quality promotion in Medical Diagnosis*, Tehran, Iran (Jan., 2007).
77. Traditional and molecular screening laboratory methods in diagnosis of clinical methicillin resistant coagulase-positive and coagulase-negative staphylococci. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
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79. Study of risk factors in acquisition of tuberculosis in east and west Azerbaijan provinces of Iran. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
80. Molecular analysis of methicillin resistant *Staphylococcus aureus* isolates collected from patients and medical personnels of Imam Khomeini and Children hospitals of Tabriz by RAPD-PCR. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
81. Study of urinary tract infections and its correlation with secretary and non-secretary status in 2-9 years old Tabriz resident girls. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
82. Study of molecular diversion in *Helicobacter pylori* isolates using *glmM* gene in biopsy specimens by FLP-PCR. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
83. Prevalence of intestinal pathogenic microorganisms in patients with acute diarrhea in Tabriz hospitals. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
84. Evaluation of cefoxilin and oxacillin discs in diagnosis of methicillin-resistant *Staphylococcus aureus* isolates in comparison with PCR results. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
85. Antibiotic susceptibility profiles of *Escherichia coli* isolates collected from ICU- patients and out-patients in Imam Khomeini medical Centre of Tabriz. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
86. Frequency of nasal carriers with *Staphylococcus aureus* in medical personnel and in-patients and study of antibiotic resistance profile of the isolates. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
87. Prevalence of *Helicobacter pylori* infections in patients attending in 29 Bahman and Alinasab hospitals in east Azarbaijan during 2005-2007. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
88. Antibiotic resistance in *Pseudomonas aeruginosa* and *Acinetobacter baumannii* isolates collected from ICU wards in Tabriz hospitals. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
89. Antibiotic resistance profiles of *Staphylococcus epidermidis* isolates recovered from blood culture of neonates and children in Children hospital of Tabriz. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).

90. Rate of pulmonary and extra pulmonary tuberculosis based on laboratory diagnosis in patients attending in Tabriz Tuberculosis and Pulmonary Disease Centre. *The 9<sup>th</sup> Iranian Congress of Microbiology*, Kerman, Iran (Feb., 2007).
91. Detection of clindamycin inducible resistance in clinical isolates of *Staphylococcus aureus* and *Staphylococcus epidermidis* by using D-test. *2<sup>nd</sup> Laboratory and Medicine Congress*, Tehran, Iran (13-16 May, 2008).
92. Impact of ceftioxin disc diffusion test in detection of methicillin-resistant *Staphylococcus aureus*. *2<sup>nd</sup> Laboratory and Medicine Congress*, Tehran, Iran (13-16 May, 2008).
93. Antibiotic resistance in *Staphylococcus aureus* and its relevance in therapy. *2<sup>nd</sup> Laboratory & Medicine Congress*, Tehran, Iran (13-16 May, 2008).
94. Comparison of phenotypic and molecular tests in diagnosing methicillin resistant *Staphylococcus epidermidis* and detection of the prior method. *2<sup>nd</sup> International and 9<sup>th</sup> Annual Research Congress of Iranian Medical Sciences Students*, Mashhad, Iran (May, 2008).
95. Bacterial antibiotic resistance with special emphasis on MRSA and ESBL. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
96. Bacterial meningitis. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
97. Research in Microbiology( applications, challenges and ethics). *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
98. Prevalence of intestinal colonization by vancomycin resistant enterococci (VRE) in in-patients at three teaching hospitals in Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
99. Relationship between *Helicobacter pylori* and risk factors in patients attending in hospital laboratories at east Azerbaijan in 2007-2008. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
100. Intestinal colonization by enterococci with high level of resistance to aminoglycosides (HLGR). *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
101. Detection of methalobetalactamase producing *Pseudomonas aeruginosa* isolates by using imipenem-EDTA combination disc in Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
102. Prevalence of bacteria causing blood infections and study of antibiotic resistance profiles in them in different wards of Imam Khomeini medical center of Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
103. Emergence of antibiotic resistance in clinical isolates of MRSA against current antibiotics. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
104. Rate of mupirocin sensitivity in *Staphylococcus aureus* isolates collected from clinical specimens in Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
105. Molecular study of TEM type extended spectrum betalactamase in *Escherichia coli* isolates collected from Imam Khomeini hospital of Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).

106. Molecular study of SHV type extended spectrum betalactamase in *Klebsiella pneumoniae* isolates collected from Imam Khomeini hospital of Tabriz. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
107. Detection of methalobetalactamase producing *Pseudomonas aeruginosa* isolates by using E-test in Imam Khomeini medical center of Urmia. *The 10<sup>th</sup> Iranian Microbiology Congress*, Ilam, Iran (April, 2009).
108. Laboratory evaluation of methicillin and vancomycin resistant staphylococci (MRSA & VRSA) in intensive care units. *Intensive Care Units Infections and Microbial multiple Drug Resistance*, Tehran (dysin), Iran (July, 2009).
109. Reemerging antibiotic resistances in medically important bacteria. *Regional Seminar of Infectious Diseases for Persian speaking countries (Iran, Afghanistan and Tajikistan)*. Dushanbe, Tajikistan (April, 2010).
110. PCR-ribotyping and serotyping of metallo-beta-lactamase producing *Pseudomonas aeruginosa* isolates in northwest of Iran. *First International and 12<sup>th</sup> Iranian Congress of Microbiology*. Kermanshah, Iran ( 23-26 May, 2011).
111. Identification of MRSA isolates using phenotypic as well as PCR methods and determination of isolated strains diversity by RAPD-PCR and antibiotic profiles in Tabriz hospitals. *First International and 12<sup>th</sup> Iranian Congress of Microbiology*. Kermanshah, Iran ( 23-26 May, 2011).
112. Frequency of MBL-producing *A. baumannii* isolates by combined disk and PCR methods in Tabriz, northwest of Iran. *First International and 12<sup>th</sup> Iranian Congress of Microbiology*. Kermanshah, Iran (23-26 May, 2011).
113. Pulsed field gel electrophoresis of carbapenem resistant *Pseudomonas aeruginosa* isolates in Orumieh, Iran. *First International and 12<sup>th</sup> Iranian Congress of Microbiology*. Kermanshah, Iran (23-26 May, 2011).
114. Multilocus sequence typing (MLST) of carbapenem resistant *Pseudomonas aeruginosa* isolated from Orumieh, Iran. *The 4<sup>th</sup> Congress of European Microbiologists*. Geneva, Switzerland (June 26-30, 2011).
115. Antibiotic resistance profiles and RAPD-PCR in hospital isolates of *Pseudomonas aeruginosa* collected from burn ward of Sina medical center of Tabriz. *The 1<sup>st</sup> Iranian International Congress of Medical Bacteriology*, Tabriz, Iran (5-8 September, 2011).
116. Antimicrobial susceptibility of *Helicobacter pylori* isolates collected in Tabriz, Iran. *The 1<sup>st</sup> Iranian International Congress of Medical Bacteriology*, Tabriz, Iran (5-8 September, 2011).
117. Prevalence of carbapenem family resistance in *Acinetobacter baumannii* isolated from clinical specimens and its relationship to the presence of OXA-23 and IS/AmpC genes. *The 1<sup>st</sup> Iranian International Congress of Medical Bacteriology*, Tabriz, Iran (5-8 September, 2011).
118. Frequency of and antibiotic resistance in bacteria isolated from urinary tract infections in Bagherolum hospital of Ahar in 2009-2010. *The 1<sup>st</sup> Iranian International Congress of Medical Bacteriology*, Tabriz, Iran (5-8 September, 2011).
119. Frequency of lactobacillus strains in foodstuff in east Azerbaijan cities. *The 1<sup>st</sup> Iranian International Congress of Medical Bacteriology*, Tabriz, Iran (5-8 September, 2011).

120. Education and Research in Microbiology (Panel). *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
121. Comparative study of clinical methicillin resistant *Staphylococcus aureus* isolates during three years by using PCR and disc agar diffusion test. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
122. Determination of prevalent bacteria in burn infections compared to patients' environmental bacteria in burn ward of Shahid Zarreh hospital in Sarie, Iran. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
123. Study of oil-eating bacteria in Arasbaran area by ERIC-PCR and ARDRA. Iran. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
124. Molecular study of extended spectrum beta lactamase (TEM-1) gene in isolates collected from Ostad Alinasab hospital in Tabriz. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
125. Molecular investigation of genes encoding fibronectin binding protein A and B in *Staphylococcus aureus* isolates collected from Shohada hospital of Tabriz. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
126. Molecular investigation of genes encoding capsular polysaccharides types 5 and 8 in *Staphylococcus aureus* isolates collected from Shohada hospital of Tabriz. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
127. Increasing multidrug resistance and integron carriage among *Acinetobacter baumannii* in high risk group patients. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
128. Expression of the level of efflux AdeABC, AmvA, outer membrane protein (CarO) and AmpC cephalosporinase in different clones of carbapenem resistant *Acinetobacter baumannii* isolates. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
129. Prevalence of CTX-3(CTX-M3,15,22) family gene in various *E. coli* and *Klebsiella pneumoniae* clinical specimens in Tabriz. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
130. Observation on integron carriage and incidence of TEM-1/SHV-1 type beta-lactamase genes among clinical isolates of *Klebsiella pneumoniae* producing extended-spectrum beta-lactamase. *The 2<sup>nd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (2-4 October, 2013).
131. Antibiotic resistance threats. *The 3<sup>rd</sup> Iranian Congress of Medical Bacteriology*, Tehran, Iran (11-13 November, 2015).



132. Study of high-level gentamicin resistance in enterococci isolated from pediatric hospital of Tabriz and detection of *aac(6')Ie-aph(2'')Ia* gene. *The 8<sup>th</sup> International Congress of Laboratory and Clinic*, Tehran, Iran (February, 2016).

133. Frequency of vancomycin resistance and *vanA* gene in enterococci isolated from children hospital of Tabriz. *The 8<sup>th</sup> International Congress of Laboratory and Clinic*, Tehran, Iran (February, 2016).

134. Frequency of vancomycin resistance in clinical methicillin resistant *Staphylococcus aureus* isolates by using agar screening plate, E-test and PCR techniques in Tabriz hospitals. *The 5<sup>th</sup> Iranian Congress of Medical Bacteriology*, Maragheh, Iran (15-17 Aug, 2018).

135. Detection of SCC mec types in methicillin-resistant *Staphylococcus aureus* isolates collected from clinical specimens in Tabriz hospitals. *The 5<sup>th</sup> Iranian Congress of Medical Bacteriology*, Maragheh, Iran (15-17 Aug, 2018).

136. Phenotypic and genotypic study of vancomycin resistance in methicillin-resistant *Staphylococcus aureus* (MRSA) isolates. *The 5<sup>th</sup> Iranian Congress of Medical Bacteriology*, Maragheh, Iran (15-17 Aug, 2018).

## Research Projects:

1. Beta-lactamase enzyme in ampicillin - resistant enterobacteraceae and its relation to MIC. (1985).
2. Study of *Streptococcus agalactiae* septicemia and meningitis in neonates born in Tabriz during 1993 - 1996. (1993).
3. Prevalence of  $\beta$ - haemolytic group B streptococci in pregnant woman and their neonates. (1994).
4. Study of *Helicobacter pylori* in biopsy specimens collected from antrum of patients with non - ulcer dyspepsia in Tabriz (1994 - 1996).
5. Sensitivity of *Helicobacter pylori* to routine antibiotics and metronidazole. (1997).
6. Physicochemical characteristics of Kandowan water in prevention of urinary calculus formation. (1999).
7. Study of mobilized defense cells in urinary tract infections (cystitis and pyelonephritis): Flowcytometric study. (2001).
8. Study of plasmid profile in *Escherichia coli* isolated from urinary tract infections in out- and in-patients. (2003).
9. Study of enterohaemorrhagic *Escherichia coli* ( EHEC) isolated from patients with diarrhea in Medical Centers of Tabriz.(2003).

10. Determination of antibiotic resistance and plasmid profiles of *Pseudomonas aeruginosa* isolates in hospitalized patients infections in Tabriz Sina Medical Center. (2003).
11. Designing and manufacturing of a diagnostic Kit for detection of antibiotics in milk compared to foreign made kits. (2003).
12. Genotyping of *Helicobacter pylori* strains for presence of *CagA* and *VacA* virulence factors by PCR in patients admitted to the Gastro endoscopy ward of Imam Khomeini Hospital of Tabriz. (2003).
13. Molecular fingerprinting of methicillin resistant *Staphylococcus aureus* strains isolated from patients and staffs of Imam Khomeini and Pediatric hospitals in Tabriz during 2004-2005.
14. Plasmid profiles and antibiotic resistance of *Staphylococcus aureus* isolated from nasal carriers in haemodialysis patients in Imam Khomeini hospital of Tabriz. (2004).
15. Genotyping and antibiotic susceptibility patterns of *Pseudomonas aeruginosa* isolated from burn ward of Sina Hospital in Tabriz. (2004).
16. Isolation, purification and antimicrobial analysis of bacteriocin 31 of *Enterococcus faecalis* and comparison of its activity with the synthetic peptide. (2006).
17. Isolation and characterization of useful lactobacilli in yogurt produced in different areas of eastern Azerbaijan. (2006).
18. Evaluation of methicillin resistant *Staphylococcus epidermidis* (MRSE) isolated from children blood culture by oxacillin disk diffusion, oxacillin agar screening and polymerase chain reaction (PCR) methods. (2007).
19. Sensitivity of urinary *E. coli* isolates collected from ICU patients and out-patients against fluoroquinolones by using disc agar diffusion and ciprofloxacin MIC determination (2007).
20. Study of metallo-beta-lactamase production and antibiotic resistance in clinical *Pseudomonas aeruginosa* isolates and investigation of correlation with presence of class 1 integron in Tabriz and Urmia cities during 2007-2008.
21. Antimicrobial susceptibility and characterization of metallo-beta lactamase genes in *Acinetobacter baumannii* and their typing by REP-PCR method in Imam Reza and Sina Teaching Hospitals of Tabriz University of Medical Sciences.(2008).
22. Molecular diagnosis of drug resistance due to metallo-beta-lactamase production and their molecular diversity in clinical isolates of *Pseudomonas aeruginosa*. (2008).
23. Evaluation of electrical absorption of *Staphylococcus aureus* in electrical fields in liquid culture medium. (2010).

24. The expression level of efflux pumps AdeABC, Amv A and outer membrane protein (CarO) and AmpC cephalosporinase and its correlation with carbapenem resistance in non-metallobetalactamase producing *Acinetobacter baumannii* isolated from clinical specimens. (2011).
25. MexAB-OprM and MexXY(-OprA) efflux systems,, AmpC cephalosporinase and OprD protein expressions to investigate their association with resistance against carbapenemes in *Pseudomonas aeruginosa* isolated from clinical specimens (2011).
26. Comparative study of bacterial colonization of *S. aureus*, *H. influenzae* and *S. pneumoniae* in patients infected with swine flu type A (H1N1) with the control group. (2011).
27. Phenotypic and genotypic study of vancomycin resistance in methicillin resistant Staphylococcus aureus (MRSA) isolates collected from clinical specimens at Imam Reza and Sina hospitals of Tabriz in 2012 – 2013. (2012).
28. Study of carbapenem resistance among enterobacteriaceae isolates collected from Tabriz hospitals by using phenotypic and PCR methods and determination of the clonal relationship among carbapenem resistant isolates by ERIC-PCR method. (2012).
29. Evaluation of virulence genes( *cvaC*, *aer*, *pap*, *sfa*, *afa*, *cnf1*,*hly*) in multidrug resistant uropathogenic *Escheichia coli* isolated from renal patients in Tabriz.(2014).
30. Correlation between risk factors and urinary tract infections with extended spectrum betalactamases (*TEM*, *SHV*, *CTX-M*) producing *Escherichia coli* isolates collected from renal in-patients in Tabriz. (2014).
31. Frequency of methicillin resistant staphylococci by phenotypic and genotypic methods in clinical isolates and evaluation of *pvI* gene in the isolates. (2015).

### Talks in Retraining Schedules:

1. Recent advances in classification and identification of medically important bacteria. 2001.
2. Sexually transmissible bacterial infections. 2001.
3. Bacterial urinary tract infections: Laboratory diagnosis techniques. 2001.
4. Bacterial infections transmitted via blood transfusion. 2002.

5. Taxonomy of bacteria (Recent nomenclature, classification and identification). 2002.
6. New antibiotics and antibiotic resistance in bacterial infections. 2002.

### Supervision of Thesis:

1. Betalactamase enzyme in ampicillin-resistant enterobacteriaceae. D. Pharm. degree, 1985.
2. Microbial control of some therapeutic products. D. Pharm. degree, 1985.
3. Microbial control of some therapeutic drugs. D. Pharm. degree, 1985.
4. Study of enteropathogenic bacteria in neonates and children in Children Medical Centre of Tabriz. Doctor of Laboratory Sciences (D. Lab. Sc.) degree, 1985.
5. Preparation of antibiotic discs and their use in clinical microbiology laboratory. D. Pharm. degree, 1989.
6. Betalactamase enzyme production in clinically significant bacterial strains and its relation to MIC. D. Pharm. degree, 1989.
7. Study of bactericidal and bacteriostatic effects of Tricycline B on some bacterial strains and resistance emergence. D. Pharm. Degree, 1989.
8. Prevalent infections in patients with acute leukemia. D.Lab.Sc. degree, 1990.
9. Infections due to manipulation and catheterization of patients in Urology ward of Imam Khomeini Medical Centre of Tabriz. D. Lab. Sc. degree, 1990.
10. Bacterial nosocomial infections in patients of Surgery ward of Imam Khomeini Medical Centre of Tabriz. D.Lab.Sc. degree, 1990.
11. Study of Pseudomonas strains from clinical specimens and their antibiotic resistance patterns. D. Pharm. degree, 1990.
12. Study of *Helicobacter pylori* in biopsy specimens from stomach. D. Lab. Sc. degree, 1990.
13. Bacterial intestinal infections and antibiotic resistance of isolated strains in patients of Imam Khomeini Medical Centre of Tabriz. D.Pharm. degree , 1991.
14. Antibiotic sensitivity of bacteria isolated from urinary tract infections (1986-1988)in Imam Khomeini Medical Centre of Tabriz and combined antimicrobial action of antibiotics on some of the isolated strains. D.Pharm. degree, 1991.

15. Study of bacteria isolated from urine calculi and bladder urine. Urology specialist degree, 1992.
16. *Streptococcus agalactiae* in pregnant women and their neonates with special reference to neonatal meningitis and septicemia in Tabriz. D.Lab.Sc. degree, 1992.
17. *In vitro* sensitivity of salmonella strains to the third generation cephalosporins and routinely used antibiotics in treatment of salmonella infections. D.Lab.Sc.degree, 1993.
18. Study of eye drops for sterility before and after use. D.Lab.Sc. degree, 1993.
19. Study of bactremia followed cystoscopy in Imam Khomeini Medical Centre of Tabriz. D.Lab.Sc.degree, 1993.
20. Prevalence of bacteria causing UTI, antibiotic sensitivity and p-fimbriated *E.coli* in children's UTI. D.Lab.Sc. degree, 1993.
21. Prevalent bacteria causing meningitis in children and adults and diagnostic value of lactate in differentiation of bacterial and aseptic meningitis. D.Lab.Sc. degree, 1993.
22. Bacterial infections in genital tract of women with special reference to *Mycoplasma hominis* and *Ureaplasma urealyticum*. D.Lab.Sc. degree, 1993.
23. Intraabdominal infections with special reference to anaerobes and in vitro effect of third generation cephalosporins and metronidazole on isolated strains. D.Lab.Sc. degree, 1993.
24. Bacterial keratitis in 80 patients from Nikokary and Alavi Ophtalmology Centers of Tabriz. D.Lab.Sc. degree, 1993.
25. MICs of penicillin G against beta haemolytic group A streptococci in Children and Asadabadi Hospitals of Tabriz. D.Lab.Sc. degree, 1993.
26. Antibacterial activity of ciproflaxacin, ofloxacin, trimethoprim-sulfametaxazole, naldixic acid and nitrofurantoin in urine of healthy individuals. D.Lab.Sc. degree, 1993.
27. Prevalence and antibiotic sensitivity pattern of streptococci isolated from throat infections in children aged 4-16 years old in Children and Asadabadi Medical Centres of Tabriz. Paediatrics specialist degree, 1994.
28. Nasal carriers of *Staphylococcus aureus* in high risk individuals compared to control group. Doctor of Medicine (M.D.), 1994.
29. Study of urinary tract infections in diabetic patients in Tabriz. D.Lab.Sc. degree, 1995.
30. Role of chlamydial infections in acute urethritis. D.Lab.Sc. degree, 1995.

31. Urinary tract infections in 2-9 year old females and its relation to secretory state. D.Lab.Sc. degree, 1995.
32. Incidence of colibacillose in hens and suggestion of rational therapeutic regimens. Doctor of Veterinary degree , 1995.
33. Urinary tract infections in pregnant women with special reference to asymptomatic UTI in Tabriz. D.Lab.Sc. degree, 1996.
34. Study of bacterial prostaticitis : Causitive agents and antibiotic sensitivity against routine antibiotics and some third generation cephalosporins and new quinolones. D.Lab.Sc. degree, 1996.
35. Study of antibodies coating *E.coli* in female urinary tract infections and its relation to virulence factors. D.Lab.Sc. degree, 1996.
36. Postoperative bacterial wound infection in Surgery wards of Imam Khomeini and Sina Medical Centers of Tabriz. D.Lab.Sc. degree, 1996.
37. Seroepidemiologic study of infections with *Chlamydiae trachomatis* in spontaneous abortion. D.Lab.Sc. degree, 1996.
38. Study of *Pseudomonas aeruginosa* in Burn Unit patients and equipments and their antibiotic sensitivity and pyocin types in Sina Hospital (Tabriz, 1995). M.Sc. in Microbiology, 1996.
39. Role of mannose-sensitive and resistant fimbriae of *E. coli* in urinary tract infections. D.Lab.Sc. degree, 1998.
40. Prevalence of asymptomatic bacteriuria in pregnant women of Tabriz during 1997-1998. D.Lab.Sc. degree, 1998.
41. Bacteria isolated from blood cultures in Microbiology laboratory of Imam Khomeini Medical Centre of Tabriz during 1994-1998 and effect of antibiotic presence in blood cultures on bacterial growth. M.Sc. in Medical Microbiology, 1998.
42. Asyptomatic urinary tract infections in elderly institutionalized persons in Tabriz. Internal Medicine spesialist degree, 1999.
43. Resistance of *Staphylococcus epidermidis* to chlorhexidine. Clinical Pathology specialist, 2002.
44. Role of bacteria in dental decay and periodontal diseases. Doctor of Dentistry, 2002.
45. Study of mobilized leucocytes in urinary tract infection and its flowcytometric study. M.Sc in Medical Microbiology, 2003.

46. Prevalence and antibiotic sensitivity of methicillin-sensitive and resistant *Staphylococcus aureus* strains isolated in Tabriz. M.Sc. in Medical Microbiology, 2004.
47. Plasmid profiles of *E.coli* strains isolated from urinary tract infections in in-patients and out-patients. M.Sc. in Medical Microbiology, 2004.
48. Detection of extended-spectrum beta-lactamases in clinical isolates of *Klebsiella pneumoniae* and *E. coli*. M.Sc. in Medical Microbiology, 2004.
49. Using bacteria for refining wastewaters produced in factories on the basis of linear alkyl benzene sulfonate ( LABS ). M.Sc. in Medical Microbiology, 2004.
50. Evaluation and detection of ethambutol – resistance in *Mycobacterium tuberculosis* strains isolated from East Azarbaijan by MAS-PCR. M.Sc. in Medical Microbiology , 2004.
51. Identification of lactic acid bacteria in Lighvan cheese. M.Sc. in Agriculture and Nutritional Sciences, 2005.
52. Antibiotic resistance and plasmid profiles of *Pseudomonas aeruginosa* strains in hospitalized patients at Tabriz Sina Medical Centre. M.Sc. in Medical Microbiology, 2005.
53. Polymorphysim studies in strains of *Mycobacterium tuberculosis* isolated from patients in East and West Azarbaijan by RFLP-hybridization. M.Sc. in Medical Microbiology, 2006.
54. Plasmid profiles and antibiotic resistance of *Staphylococcus aureus* isolated from nasal carriers in hemodialysis patients in Imam Khomeini hospital of Tabriz. M.Sc. in Medical Medical Microbiology, 2006.
55. Molecular fingerprinting of methicillin-resitant *Staphylococcus aureus* strains isolated from patients and staff of Imam Khomeini and Pediatrics hospitals in Tabriz. M.Sc. in Medical Microbiology, 2006.
56. Study on molecular fingerprinting of *Helicobacter pylori* strains in biopsy specimens from patients with gastroduodenal diseases by PCR-RFLP in Tabriz. M.Sc. in Medical Microbiology , 2006).
57. Plasmid profiles and molecular study of extended spectrum beta-lactamase enzymes in gram negative bacilli isolated from in-patients of ICU wards by using PCR method in Tabriz hospitals. Ph.D. in Microbiology, 2006.
58. Determination of carrier rate of *Strptococcus pyogenes* isolated and their antibiotic sensitivity in healthy individuals in Tabriz. M.Sc. in Microbiology, 2006.
59. Sensitivity of *Staphylococcus aureus* isolates collected from clinical specimens against vancomycin by using E-test in Tabriz. M.Sc. in Microbiology, 2007.

60. Comparison of the effect of germicide P disinfectant with ethanol, germicide C and povidon iodine against isolates of *Staphylococcus aureus*. Doctor of Veterinary degree, 2007.
61. Evaluation of some routine hospital disinfectants against *E.coli* isolates from in-patients. D. pharm. degree, 2007.
62. Genotype determination of lactobacilli from the northwestern region of Iran. M.Sc. in Agricultural Biotechnology, 2007.
63. Sensitivity of urinary *Escherichia coli* isolates collected from ICU patients and out-patients against fluoroquinolones by using disc agar diffusion and MIC determination of the isolates against ciprofloxacin. M.Sc. in Medical Microbiology, 2008.
64. Evaluation of methicillin resistant *Staphylococcus epidermidis* (MRSE) isolated from children blood culture by using oxacillin disc diffusion, oxacillin agar screening and PCR methods. M.Sc. in Medical Microbiology, 2008.
65. Study of presence and genetic biodiversity of halomonadaceae bacteria in Urmia lake. M.Sc. in Cell and Molecular Biology, 2008.
66. Study of prevalence and antimicrobial susceptibility of bacteria isolated from blood cultures in Tabriz Imam Khomeini hospital. M.D. degree, 2008.
67. Effect of *Bifidobacterium angulatum* fermented milk on infection induced by *Escherichia coli* O<sub>157</sub>:H<sub>7</sub> in mice. Doctor of Veterinary degree, 2008.
68. Molecular study of extended spectrum beta-lactamase enzyme type SHV in *E. coli* and *Klebsiella pneumoniae* isolates collected from four medical centers in Tabriz. M.Sc. in Microbiology, 2008.
69. Molecular study of extended spectrum beta-lactamase enzyme type TEM in *E. coli* and *Klebsiella pneumoniae* isolates collected from some teaching hospitals in Tabriz. M.Sc. in Microbiology, 2008.
70. The effect of ciproflaxacin 0.3% and povidone iodine 5% on conjunctival bacterial flora before cataract surgery. M.D. degree, 2009.
71. Screening of stool specimens obtained from in-patients and out-patients for ampicillin, gentamicin and vancomycin-resistant enterococci. M.Sc. in Medical Microbiology, 2009.
72. Molecular study of bacteria belonging to *Streptomyces* spp. producing antibacterial materials isolated from soils in eastern Azerbaijan province of Iran. M.Sc. in Agricultural Biotechnology, 2009.



73. Study of bacteriocin production in clinical isolates of *Enterococcus faecalis* by using biological analysis and PCR methods. M.Sc. in Agricultural Biotechnology, 2009.
74. Study of metallo-beta-lactamases production and antibiotic resistance in clinical isolates of *Pseudomonas aeruginosa*, their molecular diversity and relationship to class I integrons. Ph.D. in Medical Bacteriology, 2010.
75. Antimicrobial Susceptibility and Characterization of Metallo-beta-lactamase genes in *Acinetobacter baumannii* and their typing by REP-PCR method in Imam Reza and Sina Teaching Hospitals of Tabriz University of Medical Sciences. Ph.D. in Medical Bacteriology, 2010.
76. Prevalence of PER-1 Type Extended Spectrum Beta-Lactamase and Detection of Carbapenem-Hydrolysing OXA Type Beta-Lactamase in *Acinetobacter baumannii* isolated from Hospitalized Patients in Imam Reza and Sina Teaching Centers of Tabriz University of Medical Sciences. Ph.D. in Medical Bacteriology, 2011.
77. Evaluation of clarithromycin resistance of *Helicobacter pylori* by phenotypic and genotypic methods and assessment of association to *cagA* and *vacA* in adults and children. Ph.D. in Medical Bacteriology, 2012.
78. Colonization rates of *S.aureus*, *S. pneumoniae* and *H. influenzae* in patients with swine flu type H1N1 and control groups. M.Sc. in Medical Microbiology, 2012.
79. Study of *mecA* gene frequency in *Staphylococcus aureus* isolates collected from Shohada hospital of Tabriz. M.D. degree, 2013.
80. Determination of prevalent bacteria in burn infections compared to patients' environmental bacteria in burn ward. M.Sc. in Microbiology, 2013.
81. Study of prevalent polymorphism in *AGT*, *PDE4D* and *IL-10* genes and its association with stroke. M.Sc. in Genetics, 2013.
82. Comparison of bacteria causing urinary tract infections in pregnant and non-pregnant women and antibiotic susceptibility of isolates in Alzahra hospital of Tabriz, Iran. M.D. degree, 2013.
83. Frequency of methicillin resistant coagulase negative staphylococci, antibiotic sensitivity to routine antibiotics and detection of *mecA* gene in clinical isolates. M.Sc. in Microbiology, 2013.
84. Study of asymptomatic bacteriuria in pregnant women and antibiotic sensitivity of isolated bacteria in Meshkinshahr. M.Sc. in Microbiology, 2013.

85. The expression level of efflux pumps AdeABC, Amv A and outer membrane protein(CarO) and AmpC cephalosporinase and its correlation with carbapenem resistance in non-metallobetalactamase producing *Acinetobacter baumannii* isolated from clinical specimens. Ph.D. in Medical Bacteriology, 2014.
86. Molecular investigation of genes encoding capsular polysaccharide types 5 and 8 in *Staphylococcus aureus* isolates collected from Shohada hospital of Tabriz. M.Sc. in Microbiology, 2014.
87. Relationship between *Helicobacter pylori* infection and iron deficiency anemia in patients referring to endoscopy ward of Bagheroloum hospital of Ahar. M.Sc. in Microbiology, 2014.
88. Antibacterial effects of alcoholic extract of chelidoniom majus on some pathogenic bacteria. M.Sc. in Microbiology, 2014.
89. Study of *TEM* and *IMP* type beta- lactamase genes in *E. coli* isolates collected from in-patients at Imam Reza and Shohada hospitals of Tabriz by using Hodge test and PCR. M.Sc. in Microbiology, 2014.
90. Molecular investigation of genes encoding clumping factor A, fibronectin binding proteins A and B in *Staphylococcus aureus* isolates collected from Shohada hospital of Tabriz. M.Sc. in Microbiology, 2014.
91. Evaluation of lipid profiles and serum inflammatory factors in subjects infected and non-infected with *Helicobacter pylori* in Tabriz. M.Sc. in Microbiology, 2014.
92. Molecular study of Extended spectrum beta-lactamase (*TEM-1*) gene in *Escherichia coli* isolates collected from Ostad Alinasab hospital in Tabriz. M.Sc. in Microbiology, 2014.
93. Incidence of positive direct coombs test in icteric neonates due to incompatibility of ABO and Rh admitted in Tabriz 29 Bahman hospital. M.D. degree, 2014.
94. Frequency of bacteria causing urinary tract infections in diabetic and non-diabetic women and their antibiotic sensitivities in Alzahra hospital of Tabriz, Iran. M.D. degree, 2014.
95. Comparison of two methods of ELIZA and titration for investigation of brucella. M.Sc. in Microbiology, 2014.
96. Frequency of *papG* alleles among uropathogenic *Escherichia coli* isolated from urinary tract infections. M. Sc. in Microbial Biotechnology, 2014.
97. Study of carbapenems resistance among *E.coli* and *Klebsiella* isolates collected from Tabriz Imam Reza hospital by using phenotypic and PCR methods and determination of the clonal relationship among carbapenems resistant isolates by ERIC-PCR method. Ph.D. in Medical Bacteriology, 2015.

98. Evaluation of relationship between genes *hly*, *cnf1*, *afa*, *sfa*, *pap*, *aer*, *cvaC* of uropathogenic *Escherichia coli* (UPEC) isolated from renal patients with multidrug resistance in Tabriz. M.Sc. in Medical Microbiology, 2015.
99. Frequency of ESBL-producing isolates of *Klebsiella pneumoniae* from Ardabil hospitals by phenotypic and genotypic methods. M.Sc. in Microbiology, 2015.
100. Study of virulence factors of *Helicobacter pylori* (*iceA*, *oipA*, *babA2*, and *sabA* genes). M.Sc. in Medical Microbiology, 2015.
101. Phenotypic and genotypic study of vancomycin resistance in methicillin resistant *Staphylococcus aureus* isolates collected from clinical specimens at Imam Reza and Sina hospitals of Tabriz in 2012-2013. M.Sc. in Medical Microbiology, 2015.
102. Study of antibiotic resistance and virulence factors in *Enterococcus faecalis* and *Enterococcus faecium* isolated from surface waters and clinical specimens and their genetic relationship by PFGE. M.Sc. in Medical Microbiology, 2015.
103. Frequency of Extended spectrum beta-lactamases in enterobacteriaceae isolated from urinary tract infections in Meshkinshshr. M.Sc. in Microbiology, 2015.
104. Determination of the prevalence of *Staphylococcus aureus* nasal carriers and antibiotic resistance pattern of isolates in medical personnel in Imam Khomeini hospital of Bonab. M.Sc. in Microbiology, 2015.
105. Molecular analysis of *Escherichia coli* pathotypes using PCR and rep-PCR in diarrhea isolates from Tabriz selected hospitals in 2013. Ph.D. in Medical Bacteriology, 2016.
106. Frequency of vancomycin resistance and *vanA* gene in enterococci isolated from Children hospital of Tabriz. M.Sc. in Microbiology, 2016.
107. Study of high-level gentamicin resistance in enterococci isolated from pediatric hospital of Tabriz and detection of *aac(6')aph(2'')Ia* gene. M.Sc. in Microbiology, 2016.
108. Biofilm formation and virulence factors in uropathogenic *Escherichia coli* associated resistant to beta-lactam antibiotics in northwest of Iran. M.Sc. in Medical Microbiology, 2016.
109. Study of antibacterial effects of Eucalyptus globules commercial products on *Staphylococcus aureus*, *Streptococcus pyogenes*, *Escherichia coli* and *Pseudomonas aeruginosa*. M.Sc. in Microbiology, 2016.
110. Isolation, identification and antibacterial effect of lactobacilli isolated from traditional cheese in Moghan region on some standard pathogenic bacteria. M.Sc. in Microbiology, 2016.

111. The correlation between MexAB-OprM and MexXY-OprM efflux system hyper expression and class 1 integron prevalence in multidrug resistant (MDR) *Pseudomonas aeruginosa* isolates in Tabriz. Ph.D. in Medical Bacteriology, 2016.
112. Study of staphylococcal cassette chromosome genes (*SCC mec*) and panton valentine leukocidin (*pv*) gene in clinical isolates of methicillin resistant *Staphylococcus aureus* and determination of molecular diversity by using Rep-PCR method in Tabriz. Ph.D. in Medical Bacteriology, 2017.
113. Study of antibiotic sensitivity and frequency of extended spectrum beta-lactamases (*SHV* and *TEM*) in clinical isolates of *Klebsiella* spp. in Kermanshah. M.Sc. in Microbiology, 2017.
114. Determination of antibiotic resistance pattern and molecular diagnosis of beta-lactamase genes: *bla SHV*, *blaTEM* and *blaCTX-M* genes in *Klebsiella pneumoniae* isolates in in-patients of Ilam hospitals. M.Sc. in Microbiology, 2018.
115. Effect Of probiotic *Lactobacillus acidophilus* on expression of *SURVIVIN* and *SMAC* genes in colorectal tumor cells (CaCo-2). M.Sc. in Genetics, 2019.

## Executive Activities:

1. Editorial Manager and Member of Editorial Board of "Medical Journal of Tabriz University of Medical Sciences and Health Services". 1983-Now.
2. Supervisor of Basic Sciences Students of Tabriz Paramedical School, Tabriz University of Medical Sciences. 1990-1993.
3. Head of "Basic Sciences Department" of Tabriz Paramedical School, Tabriz University of Medical Sciences. 1992-1994.
4. Head of "Pathobiology Department " of Tabriz Medical School, Tabriz University of Medical Sciences. 1992- 1994.
5. Supervisor of Medical Students in Tabriz Medical School, Tabriz University of Medical Sciences. 1993-1994 & 1995-1997.
6. Vice Dean of Research Affairs in Tabriz Medical School, Tabriz University of Medical Sciences. 1995- 2001.
7. Member of Editorial Board of "Research Journal of Tabriz University of Medical Sciences". 1996-2001.
8. Head of "Clinical Diagnostic Laboratories of Tabriz Imam Khomeini Medical Centre", Tabriz University of Medical Sciences. 1988- 1992.

9. Member of "Editing and Translating Committee" of Tabriz University of Medical Sciences. 1990-2000.
10. Member of "Research Council of Tabriz Medical School", Tabriz University of Medical Sciences. 1992-1995.
11. Member of "Education Council of Tabriz Medical School", Tabriz University of Medical Sciences. 1992- 1995.
12. Member of "Education Council of Tabriz Paramedical School, Tabriz University of Medical Sciences". 1991- 1994.
13. Member of "Microbiology Board "of Ministry of Health. 1994- Now.
14. Secretary of "Laboratory Sciences Retraining Committee" of Tabriz University of Medical Sciences. 1998- 2005.
15. Member of "Specialized Committee for Promotion in Health, Nutrition and Paramedical Sciences", Tabriz University of Medical Sciences. 1999- Now.
16. Head of "Pathobiology Department "of Tabriz Medical School. 2001- 2005.
17. Member of "Postgraduate Educational Council" of Tabriz Medical School, Tabriz University of Medical Sciences. 2001- 2007.
18. Head of "Clinical Diagnostic Laboratories of Tabriz Imam Khomeini Medical Centre", Tabriz University of Medical Sciences. 2000- 2002.
19. Director of "Bacteriology Laboratory in Drug Applied Research Centre" of Tabriz University of Medical Sciences. 2000- 2015.
20. Member of "Tuberculosis Committee" of Tabriz University of Medical Sciences. 2004-2008.
21. Member of "Research Council in Ophthalmology Medical Center" of Tabriz University of Medical Sciences. 2004- 2007.
22. Member of "Research Council in Infectious and Tropical Diseases Research Center" of Tabriz university of Medical Sciences. 2004- 2008.
23. Head of "Microbiology Department" of Tabriz Medical School, Tabriz University of Medical Sciences. 2005- 2008.
24. Selected member of "Research Council in Endocrine and Metabolism Diseases Research Center" of Tabriz University of Medical Sciences. 2006- 2009.
25. Member of "Postgraduate Studies Council" of Tabriz Medical School, Tabriz University of Medical Sciences. 2007- 2008.

26. Head of "Scientific Writing Workshops" of Tabriz University of Medical Sciences. 2007-2015.
27. Head of "Iranian Scientific Association of Clinical Laboratory" Eastern Azerbaijan Branch. 2008- Now.
28. Head of "Microbiology Department" of Islamic Azad University -Tabriz Branch. 1994- 2000.
29. Member of "Research Council" of Islamic Azad University - Tabriz Branch. 2000- 2001.
30. Member of "Management Council of Medical School" of Islamic Azad University - Tabriz Branch. 2000- 2001.
31. Head of "Biochemistry, Microbiology, Virology, Parasitology, Mycology, Immunology and Pathology Department" of Islamic Azad University - Tabriz Branch. 2000- 2003.
32. Member of "Research Council of Medical School" in Islamic Azad University - Tabriz Branch. 2001- Now.
33. Head of "Laboratory Sciences Department" of Medical School in Islamic Azad University - Tabriz Branch. 2003- 2005.
34. Head of "Basic Sciences Department (No. 3)" of Medical School in Islamic Azad University - Tabriz Branch. 2005- 2007.
35. Member of "Medical Students Proposals Council" of Medical School in Islamic Azad University - Tabriz Branch. 2005- 2008.
36. Scientific editor of "Medical Sciences Journal (*Darman*)" of Medical School in Islamic Azad University - Tabriz Branch. 2009- 2012.
37. Member of "Research Council" of Islamic Azad University - Tabriz Branch. 2012- 2014.
38. Member of "Ethics Committee in Biomedical Research" in Islamic Azad University - Tabriz Branch. 2015- 2016.
39. Member of "National Committee for Ethics and Biomedical Research" in Islamic Azad University - Tabriz Branch. 2016- 2018.
40. Member of "Research Council of Biology Department" in Islamic Azad University - Tabriz Branch. 2017- Now.
41. Member of "Educational Committee for Medical School" in Islamic Azad University - Tabriz Branch. 2017-Now.
42. Member of "Research Committee for Ethics and Biomedical Research" in Islamic Azad University - Tabriz Branch. 2018- Now.

