

CURRICULUM VITAE (C.V.)



Forename: **Mohammad Hossein**

Surname: **Soroush Barhaghi**

Academic Member
Department of Medical Bacteriology & Virology
Faculty of Medicine
Tabriz University of Medical Sciences
Tabriz - I.R.IRAN

PERSONAL DATA

Nationality: Iranian
Date and place of Birth: 21 Mars 1959, Tabriz, IRAN
Language: Turkish, Persian, English
Gender: Male

CONTACT INFORMATION

Email: soroush@tbzmed.ac.ir & mhsoroushb@gmail.com
Tel/Fax: +984133364661
Mobile: 09144084364
Address: Department of Medical Bacteriology and Virology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran

PROFILE ADDRESS

Orcid ID: 0000-0003-0524-738X (<https://orcid.org/0000-0003-0524-738X>)
Researcher ID: M-1352-2017 (<http://www.researcherid.com/rid/M-1352-2017>)
ResearchGate ID: (https://www.researchgate.net/profile/Mohammad_Soroush_Barhaghi2)
Google Scholar ID: (<https://scholar.google.com/citations?user=Qk838PAAAAAJ&hl=en>)
Scopus ID: 36907055100 (<https://www.scopus.com/authid/detail.uri?authorId=36907055100>)

EDUCATION

Bachelor of Science in Medical Laboratory Science from Tabriz University in September 1982, first rank student in B.Sc. course with an average mark of 18.44/20

Master's degree in Medical Bacteriology from Tarbiat-Modarres University of Tehran in 1991, first rank student in M.Sc. course with an average mark of 18.65/20

Title of M.Sc. thesis: Prevalence of microbial and viral diarrhea in children under five years old in Tehran, 1990-1991

OCCUPATION

Academic member (instructor) at Tabriz University of Medical Sciences
(From 1990 to 1996 at the Faculty of Paramedical Sciences and since then at the Faculty of Medicine)

TEACHING EXPERIENCES

- Teaching of microbiology for Medicine, Dentistry, Pharmacy, Nutrition Science, Medical Laboratory sciences, Anesthesiology, Medical Records, Operating Room, Family Health, Fight Diseases (prevention and control of diseases), Environmental Health, and Public Health students
- Teaching of practical medical bacteriology for M.Sc. & Ph.D. students of Microbiology and Bacteriology

ADMINISTRATIVE EXPERIENCES

(In Tabriz University of Medical Sciences)

- ♣ Educational Deputy of the Department of Medical Bacteriology & Virology, Faculty of Medicine, 2017 (until now)
- ♣ Secretary of the Committee for the Ranking of the Faculty of Medicine, 2011-2012
- ♣ Representative of the Faculty of Medicine at the University's Scholarship Committee, 2011-2012
- ♣ In charge of the faculty of medicine exams, 2011-2012
- ♣ In charge of the follow-up of approvals and affairs of the Faculty of Medicine, 2011
- ♣ Responsible for monitoring, equipping and developing the deficiencies of the Bacteriology & Virology Department laboratories, Faculty of Medicine, 2011-2017
- ♣ Supervisor of practical classes in Department of Bacteriology & Virology, Faculty of Medicine, 2009

- ♣ Head of microbiology laboratory of Imam Khomeini/Imam Reza Hospitals, 2004-2008
- ♣ Member of infection control committee in Imam Reza Hospital, 2004 -2008
- ♣ Advisor for medicine students, in basic sciences grade, Faculty of Medicine, 2003- 2007
- ♣ Responsible for the planning of post-graduate studies in General Director of Educational Affairs of the University, 2001
- ♣ Representative of the Vice Chancellor of Education of University for conducting of Ph.D. comprehensive exam in the Faculty of Nursing and Midwifery, 2000
- ♣ Secretary of the Graduate Studies Council of the University, 2001
- ♣ Head of the laboratory of bacteriology in Department of Basic Sciences, Faculty of Paramedical Sciences, 2000
- ♣ Representative of the Vice Chancellor of Education of University in the University's novel system council, 2000
- ♣ Head of Laboratories of Al-Zahra Medical Center (Women and Midwifery Hospital), 1999-2002
- ♣ Deputy Director of Education and Postgraduate Study of the University, 1998-2001
- ♣ Head of the Department of Basic Sciences, Faculty of Paramedical Sciences, 1996-1998
- ♣ Deputy Dean of Education, Faculty of Paramedical Sciences, 1996-1997
- ♣ General Director of Educational Affairs of the University, 1995-1996
- ♣ Deputy Director of University's Evening-time Courses, 1994-1996
- ♣ Supervisor for students of the Paramedical Sciences Faculty, 1994-1998
- ♣ Director of Education Affairs of Evening-time Courses at Paramedical Sciences Faculty, 1994
- ♣ Deputy Dean of Education, Faculty of Paramedical Science, 1994-1995
- ♣ Director of Education Affairs of the University's Evening-time Courses, 1993-1994
- ♣ Deputy Dean of Education, Faculty of Paramedical Sciences, 1991-1993

PROFESSIONAL EXPERIENCES

Establishment and equipping of clinical microbiology laboratories in:

- Specialized & Subspecialized Outpatient Clinics (No. 2) of Tabriz University of Medical Sciences, August 1997 and manage (until now)
- Department of General Microbiology of Faculty of Health and Nutrition, 2003

RESEARCH EXPERIENCES

Research Interests:

- Study of prevalence and mechanisms of antibacterial resistance
- Diagnosis of microorganisms by molecular methods, Spoligotyping, MIRU-VNTR, etc

Publications (Papers):

66. Evaluation of Resistance Mechanisms in Carbapenem-Resistant Enterobacteriaceae
Naser Alizadeh, Mohammad Ahangarzadeh Rezaee, Hossein Samadi Kafil, Alka Hasani, **Mohammad Hossein Soroush Barhaghi**, Morteza Milani, Fatemeh Yeganeh Sefidan, Mohammad Yousef Memar, Aidin Lalehzadeh, Reza Ghotaslou*
Infection and Drug Resistance: 2020; 13: 1377-1385
65. Trends in *Mycobacterium tuberculosis* Transmission During a 10-year Period (2006-2016) in the Northwest of Iran by MIRU-VNTR Molecular Typing
Mohammad Hossein Soroush Barhaghi, Sepehr Taghizadeh, Peyvand Kashi, Mohammad Asgharzadeh, Pourya Gholizadeh, Khudaverdi Ganbarov, Asghar Tanomand, Milad Bastami, Seyyed Reza Moaddab, Behrooz Shokouhi, Hossein Samadi Kafil*
Jundishapur Journal of Microbiology: 2020; 13 (1); e95891
64. Determination of fosfomycin resistant *Enterobacteriaceae* in isolates and frequency of *fos* genes in Tabriz Hospitals during 2018
Aidin Lalehzadeh, **Mohammad Hosein Soroush Barhaghi**, Javid Sadeghi, Mohammad Ahangarzadeh Rezaee, Tahereh Pirzadeh, Fatemeh Yeganeh Sefidan, Mohammad Yousef Memar, Elham Sheykhsaran, Reza Ghotaslou*
J Biochem Tech, 2019; Special Issue (2): 143-148.
63. Evaluation of sealing ability of mineral trioxide aggregate mixed with propylene glycol as a root canal sealer: A in vitro study
Amin Salem Milani, Solmaz Firuzi, **Mohammad Hosein Soroush Barhaghi**, Shariar Shahi, Amir Ardalan Abdollahi
Dent Res J, 2019;16:216-20.

- 62. Peptide nucleic acid-mediated re-sensitization of colistin resistance *Escherichia coli* KP81 harboring mcr-1 plasmid**
Nezhadi J, Narenji H, [Soroush Barhaghi MH](#), Rezaee MA, Ghotaslou R, Pirzadeh T, Tanomand A, Ganbarov K, Bastami M, Madhi M, Yousefi M, Kafil HS
Microbial Pathogenesis, October 2019; 135:103646
- 61. A Relationship Between O-Serotype, Antibiotic Susceptibility and Biofilm Formation in Uropathogenic *Escherichia coli***
Arezo Noie Oskouie, Alka Hasani, Mohammad Ahangarzadeh Rezaee, [Mohammad Hossein Soroush Bar Haghi](#), Akbar Hasani, and Elghar Soltani
Microbial Drug Resistance, July 11, 2019, Volume 25, Issue 6
- 60. An overview of tetracyclines and related resistance mechanisms**
Elham Sheykhsaran, Hossein B. Baghi, [Mohammad H. Soroush](#), and Reza Ghotaslou
Reviews in Medical Microbiology, 2019, 30:69–75
- 59. The rate of resistance to tetracyclines and distribution of *tetA*, *tetB*, *tetC*, *tetD*, *tetE*, *tetG*, *tetJ* and *tetY* genes in *Enterobacteriaceae* isolated from Azerbaijan, Iran during 2017**
Elham Sheykhsaran, Hossein Bannazadeh Baghi, [Mohammad Hossein Soroush Barhaghi](#), Naser Alizadeh, Mohammad Yousef Memar, Shima Etemadi, Reza Ghotaslou
Physiol Pharmacol, 22 (2018) 205-212
- 58. Frequency of DNA gyrase and topoisomerase IV mutations, and plasmid-mediated quinolone resistance genes among *Escherichia coli* and *Klebsiella pneumoniae* isolated from urinary tract infections in Azerbaijan, Iran**
Robab Azargun, [Mohammad Hossein Soroush Barhaghi](#), Hossein Samadi Kafil, Fatemeh Yeganeh, Mahin Ahangar Oskouee, Vahhd Sadeghi, Mohammad Yousef Memar, Reza Ghotaslou
Journal of Global Antimicrobial Resistance (JGAR), 17 (2019) 39–43
- 57. Detection of carbapenem-resistant *Enterobacteriaceae* by chromogenic screening media**
Naser Alizadeh, Mohammad Ahangarzadeh Rezaee, Hossein Samadi Kafil, [Mohammad Hossein Soroush Barhaghi](#), Mohammad Yousef Memar, Morteza Milani, Alka Hasani, Reza Ghotaslou
Journal of Microbiological Methods, 153 (Sep. 2018) 40–44
- 56. Genotyping of *Mycobacterium tuberculosis* isolates from northwest Iran for determination on the mechanism of transmission**
Mahdavi poor, B., Asgharzadeh, M., Hajibonabi, F., Rashedi, J., Pourostadi, M., Bahador, T.N., Asadi, N., Kafil, H.S. and [Barhaghi, M.H.S.](#)
Tropical Biomedicine 35(3): 1–8 (2018)
- 55. The prevalence of plasmid-mediated quinolone resistance and ESBL-production in *Enterobacteriaceae* isolated from urinary tract infections**
Robab Azargun, Mohammad Reza Sadeghi, [Mohammad Hossein Soroush Barhaghi](#), Hossein Samadi Kafil, Fatemeh Yeganeh, Mahin Ahangar Oskouee, Reza Ghotaslou
Infection and Drug Resistance, Vol. 11, July 2018, 1007-1014

54. HIV/AIDS in the Middle East and North Africa: a positive future

Hossein Bannazadeh Baghi, [Mohammad Hossein Soroush](#)
Sex Transm Infect 2018; 94: 339

53. Influenza: the role of the Middle East and North Africa?

Hossein Bannazadeh Baghi, [Mohammad Hossein Soroush](#)
Lancet Infectious Disease, Vol. 18, May 2018, 498

52. Clinical Manifestations and Seasonality of Pertussis in Azerbaijan, Iran

Yalda Mohammadzadeh Asl, Mohammad Taghi Akhi, [Mohammad Hossein Soroush](#),
Fateme Yeganeh Sefidan, Jafar Mousapour, Mohammad Esmaeil Hejazi,
Babak Ghalibaf Sabbaghi, Akbar Sharifi, Yalda Jabari, Reza Ghotaslou
Infectious Diseases in Clinical Practice, Volume 26, Issue 3, May 2018, 145-149

51. Prevalence of integrons 1, 2, 3 associated with antibiotic resistance in *Pseudomonas aeruginosa* isolates from Northwest of Iran

Shahram Mobaraki, Mohammad Aghazadeh, [Mohammad Hossein Soroush Barhaghi](#),
Mohammad Yousef Memar, Hamid Reza Goli, Pourya Gholizadeh, Hossein Samadi Kafil
BioMedicine (ISSN 2211-8039), March 2018, Vol. 8, No. 1, Article 28, Pages 12-17

50. Antibacterial effect of different concentrations of sodium hypochlorite on *Enterococcus faecalis* biofilms in root canals

Mohammad Forough Reyhani, Yousef Rezagholizadeh, Mohammad Reza Narimani, Lotfollah Rezagholizadeh, Mohammad Mazani, [Mohammad Hossein Soroush Barhaghi](#), Yavar Mahmoodzadeh
Journal of Dental Research, Dental Clinics, Dental Prospects, Vol. 11, No. 4 Autumn2017, 215-221

49. Bactericidal effect of starch-stabilized zero-valent iron nanoparticles on *Escherichia coli*

Mohammad Mosaferi, Roya Zarei, [Mohammad Hossein Soroush Barhagi](#), Mohammad Asghari Jafar-abadi, Alireza Khataee
International Journal of Environmental Health Engineering, Vol. 4, Issue 4, October-December 2015, 1-8

48. Antimicrobial efficacy of different concentration of sodium hypochlorite on the biofilm of *Enterococcus faecalis* at different stages of development

Mohammad Frough-Reyhani, Negin Ghasemi, [Mohammadhossien Soroush-Barhaghi](#), Mahsa Amini, Yousefreza Gholizadeh
Journal of clinical and experimental dentistry, 2016; 8(5):e480-4

47. Virulence genes in biofilm producer *Enterococcus faecalis* isolates from root canal infections

M. Akbari Aghdam, [M. H. Soroush Barhaghi](#), M. Aghazadeh, F. Jafari, M. Beomide Hagh, M. Haghdost, M. Y. Memar, M. Ahangarzadeh Rezaee, H. Samadi Kafil
Cellular and Molecular Biology, 2017 | Volume 63 | Issue 5, 55-59

46. Frequency of *bap* and *cpaA* virulence genes in drug resistant clinical isolates of *Acinetobacter baumannii* and their role in biofilm formation

Arezoo Fallah, Mohammad Ahangarzadeh Rezaee, Alka Hasani, **Mohammad Hossein Soroush barhaghi**, Hossein Samadi Kafil
Iranian Journal of Basic Medical Sciences, Vol. 20, No.8, Aug. 2017, 849-855

45. Assessment of Non-Pylori *Helicobacter* Species in Stray Dog's Stomach as a Potential Reservoir for Human Infections (Persian)

Ali Bahadori, Seyed Ali Shabestariasl, Mahsa Esmaeillu, **Mohammad Hossein Surush barhagi**, Farhad Bahadori, Mojtaba Attarhosseani
Medical Journal of Tabriz University of Medical Sciences and Health Services Vol. 38, No.3, Aug. –Sep. 2016, 26-33

44. High Diversity of Methicillin-Resistant *Staphylococcus aureus* (MRSA) Isolates Based on Hypervariable Region Polymorphisms

Seyed Foad Mirkarimi, Alka Hasani, Babak Abdinia, **Mohammad Hossein Soroush Barhaghi**, Mojtaba Nikbakht, and Mohammad Ahangarzadeh Rezaee
Arch Pediatr Infect Dis, 2016 October; 4(4):e36433

43. Fecal Carriage of ESBL types TEM, SHV, CTX Producing Genera *Proteus*, *Morganella*, *Providencia* in patients of Iran

Mohammad Taghi Akhi, Pourya Gholizadeh, Reza Ghotaslu, Mohammad Asgharzadeh, **Mohammad Hosein Soroush**, Behrouz Naghilli, Peyman Gholmohammadi, Abed zahedi
Ambient Science, 2016: Vol. 03(2); Online

42. Antimicrobial Efficacy of Different Concentrations of Sodium Hypochlorite Gel and Solution on *Enterococcus faecalis* Biofilm

Vahid Zand, Mehrdad Lotfi, **Mohammad Hossein Soroush**, Amir Ardalan Abdollahi, Mehdi Sadeghi, Ali Mojadadi
Iranian Endodontic Journal, 2016; 11(4): 315-319

41. Molecular Typing of *Staphylococcus aureus* Isolated From Clinical Specimens during an Eight-Year Period (2005 - 2012) in Tabriz, Iran

Mohammad Ahangarzadeh Rezaee, Seyed Foad Mirkarimi, Alka Hasani, Vajihe Sheikhalizadeh, **Mohammad Hossein Soroush**, Babak Abdinia
Arch Pediatr Infect Dis, 2016 April; 4(2):e35563

40. Antibacterial efficacy of polymer containing nanoparticles in comparison with sodium hypochlorite in infected root canals

Samiei M, Ghasemi N, Divband B, Balaei E, **Hossien Soroush Barhaghi M**, Divband A.
Minerva Stomatol, 2015 Dec; 64(6):275-81

39. Evaluation of antimicrobial effects of different concentrations of triple antibiotic pasts on mature biofilm of *Enterococcus faecalis*

Mohammad Frough Reyhani, Saeed Rahimi, Zahra Fathi, Sahar Shakouie, Amin Salem Milani, **Mohammad Hossein Soroush Barhaghi**, Javad Shokri
Journal of Dental Research, Dental Clinics, Dental Prospects, Volume 9, Number 3, pp 138-143, Summer2015

38. *E. coli* Inactivation Efficiency of Zero-Valent Iron Nanoparticles Stabilized by arboxymethyl Cellulose (Persian)

Zarei R, Mosafari M, **Soroush Barhagi MH**, Khataee AR, Asghari Jafarabadi M.
Ardabil Journal of Health & Sanitation, Mars 2015; 214-223

37. Comparing the Coronal Seal of Different Thicknesses of MTA with Gutta-Percha after Post Space Preparation

Reyhani MF, Yavari H, Ghasemi N, Rahimi S, **Barhaghi MH**, Mokhtari H, Sarikhani P.
Scientific World Journal, 2015; 2015:708639. doi: 10.1155/2015/708639. Epub 2015 Apr 23

36. Apical microleakage of AH Plus and MTA Fillapex® sealers in association with immediate and delayed post space preparation: a bacterial leakage study

Reyhani MF, Ghasemi N, Rahimi S, Milani AS, **Barhaghi MH**, Azadi A.
Minerva Stomatol, 2015 Jun; 64(3):129-34

35. Assessment of Gastric *Helicobacter spp.* in Fresh Gastric Samples of Naturally Infected dogs by Scanning Electron Microscopy

Ali Shabestari Asl, Hadi Amanizad, Alireza Nejad Partovi, Mehdi Jalili, Dariush Mohammad Nezhad, **Mohammad Hossein Soroush**, Abolfazl Barzegari, Dariush Babazadeh.
Journal of the Faculty of Veterinary Medicine, Kafkas Univ Vet Fak Derg, 20 (5): 663-669, 2014

34. *qnrA* implicated quinolone resistance in *Escherichia coli* and *Klebsiella pneumoniae* clinical isolates from a University Teaching Hospital

Froogh Shams, Alka Hasani, Ali Pormohammad, Mohammad Ahangarzadeh Rezaee, Mohammad Reza Nahaie, Akbar Hasani, **Mohammad Hossein Soroush Barhaghi**, Poorya Gholizade, Asghar Elli Arbatan
Life Science Journal, 2014; 11(12s): 1032-1035-(ISSN: 1097-8135)

33. Carriage of Class 1 and 2 Integrins in Quinolone, Extended-Spectrum- β -Lactamase-Producing and Multi Drug Resistant *E.coli* and *K.pneumoniae*: High Burden of Antibiotic Resistance

Froogh Shams, Alka Hasani, Mohammad Ahangarzadeh Rezaee, Mohammad Reza Nahaie, Akbar Hasani, **Mohammad Hossein Soroush Barhaghi**, Ali Pormohammad, Asghar Elli Arbatan
Advanced Pharmaceutical Bulletin, 2015, 5(3), 335-342

32. Prevalence of extended-spectrum β -lactamases and characterization of integron class 1 in extended spectrum β - lactamase-producing *Klebsiella pneumoniae* in Sina Hospital, Tabriz 2012 (Persian)

Alka Hasani, Forough Shams, Ali Pormohammad, Mohammad Ahangarzadeh Rezaee, Mohammad Reza Nahaie, **Mohammad Hossein Soroush barhaghi**, Akbar Hasani.
Medical Journal of Tabriz University of Medical Sciences and Health Services, 2017 October, 39(4):29-35

31. Antimicrobial Efficacy of Photodynamic Therapy and Sodium Hypochlorite on Monoculture Biofilms of *Enterococcus faecalis* at Different Stages of Development

Vahid Zand, Amin Salem Milani, Mahsa Amini, **Mohammad hossein Soroush Barhaghi**, Mehrdad Lotfi, Sahand Rikhtegaran, and Aydin Sohrabi
Photomedicine and Laser Surgery, Volume 32, Number 5, PP 245-251, May 1, 2014

30. Effect of adding chlorhexidine to calcium enriched mixture (CEM) on its antimicrobial activity

Mohammad Frough Reyhani, Negin Ghasemi, Mahsa Safaralizadeh, Sahar Safaralizadeh, **Mohammad Hossein Soroush Barhaghi**
African Journal of Microbiology Research, Vol. 8(24), pp 2393-2396, 11 June, 2014

29. Non *H. pylori* helicobacter identified as *H. heilmannii* in gastric biopsy samples in humans with gastric disorders by PCR and microscopic methods in Iran (First report)

A. Bahadori, M. Esmaeillu, F. Bahadori, KH. Sadighbayan, M. Attarhosseani, R. Ziaei, M. V. Jabbari, **M. H. Soroush** and H. Mobaiyen
European Journal of Zoological Research, 2014, 3 (1):92-96

28. Epidemiology, clinical features, and laboratory detection of *Mycoplasma pneumoniae* infection in East Azerbaijan, Iran

Reza Ghotaslou, Simin Sharifi, Mohammad Taghi Akhi, **Mohammad Hossein Soroush**
Turkish Journal of Medical Sciences, (2013) 43: 521-524

27. Determination of Antibiotic Sensitivity of *Bacteroides fragilis* Isolated from Patients and Healthy Individuals in Imam Reza Center of Medical Teaching and Treatment-Tabriz

Mohammad Taghi Akhi, Mahnaz Shirinzadeh, Reza Ghotaslou, **Mohammad Hossein Soroush**, Tahereh Pirzadeh, Mohammad Naghavi Behzad
Jundishapur Journal of Microbiology, 2013 November; 6(9):e7880

26. Comparison of in Vitro Activity of Doripenem versus Old Carbapenems against *Pseudomonas aeruginosa* Clinical Isolates from both CF and Burn Patints

Zoya Hojabri, Mohammad Ahangarzadeh Rezaee, Mohammad Reza Nahaei, **Mohammad Hossein Soroush Barhaghi**, Morteza Ghojzadeh, Tahereh Pirzadeh, Mostafa Davodi, Mona Ghazi, Reza Bigverdi, Omid Pajand, Mohammad Agazadeh
Advanced Pharmaceutical Bulletin, 2013, 3(1), 121-125

25. Study of the carbapenem resistance mechanisms in clinical isolates of *Acinetobacter baumannii*: comparison of burn and non-burn strains

Omid Pajand, Mohammad Ahangarzadeh Rezaee, Mohammad Reza Nahaei, Reza Mahdian, Mohammad Aghazadeh, **Mohammad Hossein Soroush**, Mahboube Satarzadeh Tabrizi, Zoya Hojabri
Burns: Journal of the International Society for Burns Injuries, 2013 Nov; 39(7), pp.1414-1419

24. Arbitrarily primed-polymerase chain reaction (AP-PCR) typing of *Clostridium difficile* isolated from different sources of Imam Reza hospital, Tabriz, Iran

Mohammad Taghi Akhi, Mohammad Agazadeh, Naser Eivazian Kary, Masoud Darabi, **Mohammad Hossein Soroush Barhaghi**, Tahereh Pirzadeh
African Journal of Microbiology Research, Volume 7(21), pp.2475-2480, 21 May, 2013

23. **Bactericidal Effects of Nd:YAG Laser Irradiation and Sodium Hypochlorite Solution on *Enterococcus faecalis* Biofilm**
Saeed Rahimi, Shahriar Shahi, Seddigheh Gholizadeh, Sahar Shakouie, Sahand Rikhtegaran, [Mohammad hossein Soroush Barhaghi](#), Morteza Ghojzadeh, Mohammad Froughreyhani, and Majid Abdolrahimi
Photomedicine and Laser Surgery, Volume 30, Number 11, 2013
22. **Detection of *Legionella* Contamination in Tabriz Hospitals by PCR Assay**
Reza Ghotaslou, Fatemeh Yeganeh Sefidan, Mohammad Taghi Akhi, [Mohammad Hossein Soroush](#), Mohammad Saeid Hejazi
Advanced Pharmaceutical Bulletin, 2013, 3(1), 131-134
21. **Detection of *Legionella* in Hospitals Water Systems (Persian)**
Fatemeh Yeganeh, Reza Ghotaslou, Mohammad Taghi Akhi, [Mohammad Hossein Soroush](#)
Medical Journal of Tabriz University of Medical Sciences, Volume 34, Number 6, Feb-Mar. 2013, pp. 12
20. **Detection of *Mycobacterium tuberculosis* from Sputum Specimens by PCR and Culture**
Reza Moaddab, Abdolnaser Rafi, [Mohammad Hossein Soroush](#)
Iranian Journal of Medical Sciences, Vol. 37, No. 3, Supplement 1, September 2012, pp. 242
Abstract Book
19. **Antimicrobial efficacy of AH-Plus, adseal and endofill against *Enterococcus faecalis*- An *in vitro* study**
Sahar Shakouie, Mahsa Eskandarinezhad, Shahriar Shahi, Hadi mokhtari, Mohammad FroughReihani, [Mohammadhossein Soroush](#), Armin Gosili
African Journal of Microbiology Research, Vol. 6(5), pp. 991-994, 9 February, 2012
18. **Prevalence of PER-1-type Extended-Spectrum Beta-Lactamase in Clinical Strains of *Pseudomonas aeruginosa* Isolated from Tabriz, Iran**
Mohammad Taghi Akhi, Yones Khalili, Reza Ghotaslou, Mohammad Agazadeh, [Mohammad Hossein Soroush Barhaghi](#), Saber Yousefi
Iranian Journal of Basic Medical Sciences, Vol. 15, No. 1, Jan-Feb 2012, 678-682
17. **Vancomycin-resistant enterococci among clinical isolates from north-west Iran: identification of therapeutic surrogates**
Yaeghob Sharifi, Alka Hasani, Reza Ghotaslou, Mojtaba Varshochi, Akbar Hasani, [Mohammad Hossein Soroush](#), Mohammad Aghazadeh, Morteza Milani
Journal of Medical Microbiology, 61, 2012, pp. 600-602
16. **Survey of TEM Type Extended-Spectrum β -Lactamase (ESBL) in Clinical Isolates of *E.coli* by Phenotypic and Genotypic Methods (Persian)**
Mohammad Mehdi Soltan Dalal, Farnaz Shamkani, Mohammad Kazem Shrif Yazdi, Jalil Fallah, [Mohammad Hossein Soroush Barhaghi](#), Hedrosha Molla Aghamirzaei, Aylar Sabbaghi, Taraneh Peimaneh Abedi Mohtasab, Mohammad Azarsa, Reza Gotaslou, Mohammad Taghi Akhi

Medical Journal of Tabriz University of Medical Sciences, Volume 34, Number 1, Apr-May 2012, pp. 15

15. Metallo- β -lactamase-producing *Pseudomonas aeruginosa* in two Iranian teaching hospitals, their antimicrobial susceptibility and serotypes

Saber Yousefi, Mohammad Reza Nahaei, Safar Farajnia, Mohammad Taghi Akhi, Reza Ghotaslou, F. Lotfipour, [Mohammad Hossein Soroush](#)
Journal of Chemotherapy, 2011; 23: 114-116

14. Detection of Pulmonary Infection due to *Mycoplasma pneumoniae* by Culture, ELISA and PCR Methods at Hospitals of Tabriz University of Medical Sciences (Persian)

Simin Sharifi, Reza Ghotaslou, Mohammad Taghi Akhi, [Mohammad Hossein Soroush](#), Khalil Ansarin, Jafar Shabanpur, Habib Zeighami, Akbar Sharifi, Mohammad Reza Ghafari, Hosein Bijanpur
Medical Journal of Tabriz University of Medical Sciences, Volume 33, Number 3, Aug.-Sep. 2011, pp. 11

13. Comparison of the effect of *Lactobacillus acidophilus* suppository and metronidazol vaginal tablet on bacterial vaginosis (Persian)

Jafarzadeh Hamideh, Ivanbagha Reihaneh, Hasanzadeh Davood, [Soroush Barhaghi Mohammad Hossein](#), Sayyah Melli Manijeh, Asghsar Mohammad Poorasl
HAYAT (Journal of Faculty of Nursing & Midwifery), Fall 2011; 17(3): 5-14

12. Risk factors and clinical findings of *Gardnerella vaginalis* infection in women referring to Tabriz health centers (Persian)

Ivanbagha Reihaneh, [Soroush Barhaghi Mohammad Hossein](#), Babapour Jalil, Fathi Sepideh
Medical Sciences Journal of Islamic Azad University, Fall 2011; 21(3), 214-221

11. Infection with *Mycoplasma pneumoniae* is not related to asthma control, asthma severity, and location of airway obstruction

Khalil Ansarin, Siavoush Abedi, Reza Ghotaslou, [Mohammad Hosein Soroush](#), Kamyar Ghabili, Kenneth R Chapman
International Journal of General Medicine, 2010 Dec 20; 4: 1-4

10. Detection of metallo- β -lactamase-encoding genes among clinical isolates of *Pseudomonas aeruginosa* in northwest of Iran

Saber Yousefi, Safar Farajnia, Mohammad Reza Nahaei, Mohammad Taghi Akhi, Reza Ghotaslou, [Mohammad Hossein Soroush](#), Behrooz Naghili, Nima Hoseini Jazani
Diagnostic Microbiology and Infectious disease, Vol. 68, issue 3, Nov. 2010, pp. 322-325

9. Effect of 10% sodium ascorbate on *Streptococcus mutans* adherence to bleached bovine enamel surface

Siavash Savadi Oskoei, Parnian Alizadeh Oskoei, [Mohammad Hossein Soroush](#), Amir Ahmad Ajami, Maryam Beheshtirouy, and Fatemeh Pournaghi-Azar
African Journal of Biotechnology, Vol. 9(33), pp. 5419-5422, 16 August, 2010

8. Effect of Er,Cr: YSGG Laser Irradiation on *Enterococcus faecalis* in Infected Root Canals

Hamid Reza Yavari, Saeed Rahimi, Shahriar Shahi, Mehrdad Lotfi, **Mohammad Hossein Soroush Barhaghi**, Ali Fatemi, and Majid Abdolrahimi
Photomedicine and Laser Surgery, Volume 28, Supplement 1, 2010

7. Survey of *Yersinia enterocolitica* contamination in distributed red meats in Tabriz (Persian)

Farshchian, M.R., Mahdavi, S., Mahdavi, R., **Soroush, M.H.**, Entezari, M.
Journal of Veterinary Medicine, Islamic Azad University, Sanandaj Branch, No 11,
4th year, 2010, pp.51-56

6. Detection of Atypical Cultivable Canine Gastric *Helicobacter* Strain and its Biochemical and Morphological Characters in Naturally Infected Dogs

A. Shabestari Asl, Sh. Jamshidi, M. Mohammadi, **M.H. Soroush**, A. Bahadori and A. Oghalaie
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5. Assessment of antimicrobial resistance of cultivable *Helicobacter*-like organisms in asymptomatic dogs

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- 49. Prevalence of *Entamoeba gingivalis* and *Trichomonas tenax* in Tabriz dental patients by wet mount, staining and cultured methodes** Fallah E., Hoshmand V., Shirmohammadi A., Mahami Oskouei M., [Soroshbarhaghi M.H.](#), Gojazadeh M.
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- 40. Detection of *Mycobacterium tuberculosis* from sputum specimens by PCR and culture**
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- 30. Epidemiology and clinical features of *Mycoplasma pneumoniae* infections at Tabriz**
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9th Iranian Congress of Microbiology, 4-6 March, 2008. Kerman, Iran

12. Study of septicemia microbial agents in Imam-Khomeini Hospital, Tabriz, Iran (2006-2007)

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[Poster No: 100, English]

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- 64. Molecular typing of Multi Drug Resistant *Klebsiella pneumoniae* isolated from hospitalized patients by the MLVA and ERIC- PCR methods at Tabriz during 2020**

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- 63. Evaluation of antibacterial effect of *Origanum vulgare* extract, *Zingiber officinale* essential oil, 5.25% sodium hypochlorite and 2% chlorhexidine as root canal irrigants against 6-week-old *Enterococcus faecalis* biofilms in human permanent teeth (An invitro study)**

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2019)

- 62. Comparison of the antibacterial property of Calcium hydroxide, Curcumin and *Aloe vera* on 6-week-old *Enterococcus faecalis* biofilm as an intracanal medicament,an in vitro study**

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2019)

- 61. Genetic diversity of *Mycobacterium tuberculosis* isolated from tuberculous patients in north –west of Iran by MIRU and VNTR methods (2016-2018)**

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- 60. Antimicrobial effect of different concentration of simvastatin and triple antibiotic paste on the *Enterococcus faecalis* biofilm at different developmental stage**

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- 59. Comparison of MDR and XDR clinical isolates of *Acinetobacter baumannii* for the presence of genes encoding for quorum sensing (*luxI*, *luxR*), biofilm production (*pgaB*, *bap*) and virulence factors (*pld*, *epsA* and *ptk*)**

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- 58. Evaluation of the prevalence of rifampin-resistance and type of the mutation of *rpoB* gene in *Mycobacterium tuberculosis* isolated from tuberculosis patients in Tabriz, I.R. Iran**

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- 57. Evaluation of the inhibition effect of *mcr-1* gene using specific peptide nucleic acid in sensitivity to colistin in colistin-resistance *Escherichia coli* isolates**

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56. Antimicrobial effect of nano Calcium Hydroxide on the *Enterococcus* biofilm at different developmental stage

Approved by: Faculty of Medicine and Infectious Diseases and Tropical Medicine Research Center, Tabriz University of Medical Sciences (2018)

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54. Frequency of EBNA-1 and BARF-1 Genes EBV in gastric adenocarcinoma Samples in East Azarbaijan and Ardabil

Approved by: Faculty of Medicine and Infectious Diseases and Tropical Medicine Research Center, Tabriz University of Medical Sciences (2018)

53. Resistance rate to fosfomycin in clinical *Enterobacteriaceae* isolates in Tabriz during 2018

Approved by: Faculty of Medicine and Immunology Research Center, Tabriz University of Medical Sciences (2017)

52. Evaluation of molecular epidemiology and phenotypic and genotypic detection of carbapenem resistance mechanisms and effects of liposomal form of meropenem on carbapenem resistant *Enterobacteriaceae*

Approved by: Faculty of Medicine and Immunology Research Center of Tabriz University of Medical Sciences (2017)

51. Resistance rate to tetracyclines and the frequency of resistance genes *tetA*, *tetB*, *tetC*, *tetD*, *tetE*, *tetG*, *tetJ* and *tetY* in clinical *Enterobacteriaceae* isolated from the hospitals of Tabriz in 2017

Approved by: Faculty of Medicine and Immunology Research Center of Tabriz University of Medical Sciences (2017)

50. Determine the frequency of *mecA*, *speG*, *arcA* and *pvl* genes in *Staphylococcus aureus* isolates collected from wound infections in Sina Hospital, Tabriz in 2016

Approved by: Research Vice-Chancellor of Tabriz University of Medical Sciences (2017)

49. Frequency of beta toxin and phage Sa3 in *Staphylococcus aureus* isolates collected from multiple sclerosis (MS) patients and nasal carriers

Approved by: Faculty of Medicine and Immunology Research Center, Tabriz University of Medical Sciences (2017)

48. Assessment of biofilm, virulence genes, serogroup, antibiotic susceptibility and frequency of efflux pump genes (*acrAB*) in *Escherichia coli* isolated from urine samples of patients in Sina hospital, Tabriz

Approved by: Faculty of Medicine and Infectious Diseases and Tropical Medicine Research Center, Tabriz University of Medical Sciences (2017)

47. Antibacterial and antibiofilm effects of curcuma and chitosan against methicillin resistant *Staphylococcus aureus*, carbapenem resistant *Pseudomonas aeruginosa*, AmpC producing *Enterobacteriaceae* and carbapenem resistant *Enterobacteriaceae*

Approved by: Infectious Diseases and Tropical Medicine Research Center, Tabriz University of Medical Sciences (2017)

46. Comparison the bacterial microleakage of root canals obturated with gutta-percha, mineral trioxide aggregate (MTA) and MTA as apical plug with gutta-percha in simulated open apex canals

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2017)

45. Effect of electric current on antibacterial efficacy of chlorhexidine against *Enterococcus faecalis* biofilm

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2016)

44. Comparision of antibacterial effect of two different types of self-adhesive resin cement on *Entrococcus faecalis* in different time sequences

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

43. Rate of oropharynx *Haemophilus influenzae* colonization among in Mahabad preschools children and antibiotic susceptibility patterns during 2015-2016

Approved by: Faculty of Medicine and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

42. Study of *Mycobacterium tuberculosis* polymorphism in East Azarbaijan by MIRU and ETR methods

Approved by: Faculty of Medicine and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

41. Antibacterial effect of NaOCl (1%, 2. 5%, 5.25%) on 4-, 6-, and10- weeks *Enterococcus faecalis* biofilms

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

40. Evaluation of the sealing ability of mineral trioxide aggregate mixed with propylene glycol as a root canal sealer: a bacterial microleakage study

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

39. Comparison of antibacterial property of AH 26 sealer mixed with amoxicillin or triple antibiotic pastes or triphala on *Enterococcus faecalis* in different time intervals: an in vitro study

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

38. Photodynamic inactivation of *Streptococcus mutans* by methylene blue and indocyanine green (in-vitro)

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2015)

37. Evaluation of the film thickness and antibacterial property of mineral trioxide aggregate (MTA) mixed with propylene glycol (PG) as a root canal sealer

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

36. Antibacterial effect of three endodontic sealers (AH 26, Endofill and Biofill) on *Enterococcus faecalis* in different time intervals: an in vitro study

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

35. Fecal carriage of ES β L types TEM, SHV, and CTX producing *Proteus*, *Morganella*, and *Providencia* in healthy carriers of Ghazitabatabaei teaching and treatment center of Tabriz-2014

Approved by: Immunology Research Center, Tabriz University of Medical Sciences (2014)

34. Detection of *Bordetella pertussis* by culture, ELISA and PCR in Tabriz during 1 year

Approved by: Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

33. In vitro comparison of bactericidal effect of 2.5% gel and 2.5% and 5.25% solution of NaOCl against *Enterococcus faecalis* biofilm

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

32. Microbiological comparison of nickle-titanium rotary Pro Taper and RaCe instruments in root canal cleaning

Approved by: Faculty of Dentistry and Vice-Chancellor of Research of Tabriz University of Medical Sciences (2014)

31. Comparison of microleakage bacterial portland cement, white MTA and CEM in different methods of mixing

Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2014)

30. Comparison of rotary Reciproc system and hand instrumentation on the elimination of *Enterococcus faecalis* from a root canal: an in vitro study

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

29. Comparison of bacterial microleakage in root canals filled with single cone and lateral compaction techniques

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2014)

28. Study of starched-stabilized zero-valent iron nanoparticles efficiency in inactivation of *Escherichia coli*

Approved by: Faculty of Health and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2013)

27. Comparison of antibacterial efficacy of polymer containing ZnO nanoparticles with polymer containing Ag/ZnO nanoparticles and sodium hypochlorite 2.5 % solution on *E.faecalis* in infected root canals

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2013)

26. Antimicrobial effect of different concentration of 3- antibiotic paste on mature *Enterococcus faecalis* biofilm in different intervals

Approved by: Research Center for Gum (Periodontal) Diseases, Vice-Chancellor for Research of Tabriz University of Medical Sciences (2013)

25. Comparison of the antibacterial effect of gels containing nano ZnO and nano Ag/ZnO with calcium hydroxide paste as an intra-canal medicaments on *Enterococcus faecalis* in infected root canals

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2013)

24. Molecular basis of plasmid mediated quinolone resistance (PMQR) in *Escherichia coli* and *Klebsiella pneumoniae* clinical isolates, their relation with integrase genes and genome typing of PMQR isolates by ERIC- PCR

Approved by: Faculty of Medicine and Infectious Diseases & Tropical Medicine Research Center, Tabriz University of Medical Sciences (2012)

23. Comparison of apical leakage between immediate versus delayed post- space preparation in root canals filled with AH Plus and MTA- based root canal sealers

Approved by: Faculty of Dentistry and Vice-Chancellor of Research of Tabriz University of Medical Sciences (2012)

22. Evaluation of stethoscopes that are used in ICU wards of Tabriz University of Medical Sciences in regard of nosocomial infections

Approved by: Faculty of Medicine and Vice-Chancellor of Research of Tabriz University of Medical Sciences (2012)

21. Bactericidal effect of photodynamic therapy and NaOCl 2.5% on 4-, 6-, 8- weeks *Enterococcus faecalis* biofilms

Approved by: Faculty of Dentistry and Vice-Chancellor of Research of Tabriz University of Medical Sciences (2012)

20. Effect of Nd:YAG laser irradiation and sodium hypochlorite against *Enterococcus faecalis* biofilm

Approved by: Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2011)

19. Comparison of antibacterial effect of three endodontic sealers; Adseal, AH plus, Endofill on *Enterococcus faecalis* (An In vitro study)

Approved by: Faculty of Dentistry and Vice-Chancellor for Research of Tabriz University of Medical Sciences (2011)

18. Isolation of *Legionella pneumophila* in hospitals water supply by culture and PCR, Tabriz

Approved by: Faculty of Medicine and Vice-Chancellor of Research, Tabriz University of Medical Sciences (2011)

17. Effect of chlorhexidine gluconate (0.12%) on the antimicrobial properties of calcium enriched mixture: an in-vitro study

Approved by: Faculty of Dentistry and Vice-Chancellor of Research of University Tabriz University of Medical Sciences (2011)

16. Survey of Extended-spectrum β -lactamases in *Escherichia coli* isolated from different clinical specimens of education and treatment centers of Tabriz and Khoy-2010

Approved by: Faculty of Medicine, Tabriz University of Medical Sciences (2010)

15. DNA fingerprinting of *Clostridium difficile* isolated from asymptomatic carrier, symptomatic patients and different wards environment of teaching and training center of Imam-Reza by RAPD-PCR

Approved by: Faculty of Medicine, Tabriz University of Medical Sciences (2010)

14. Prevalence of VEB1 broad-spectrum β -lactamases by PCR in *Pseudomonas aeruginosa* isolated from ICUs of Imam-Reza and Madani hospitals of Tabriz University of Medical Sciences

Approved by: Infectious and Tropical Diseases Research Center, Tabriz University of Medical Sciences (2009)

13. Diagnosis of pulmonary infections due to *Mycoplasma pneumoniae* by culture, ELISA and PCR methods at Tabriz University of Medical Sciences

Approved by: Tuberculosis and Lung Research Center, Tabriz University of Medical Sciences (2009)

12. Comparison of the effect of lactobacilli vaginal cream with metronidazole vaginal cream on vaginal pH and symptoms of bacterial vaginosis

Approved by: Faculty of Nursing and Midwifery- Vice-Chancellor for Research of Tabriz University of Medical Sciences (2008)

11. Effect of sodium ascorbate on the adherence of oral bacteria to the bleached enamel surface

Approved by: Faculty of Dentistry, Deputy Dean of Research, Tabriz University of Medical Sciences (2008)

10. Comparison of the effect of dietary yogurt and *Lactobacillus acidophilus* enriched yogurt on *Candida albicans* in the laboratory

Approved by: Faculty of Dentistry, Tabriz University of Medical Sciences (2008)

9. Investigation of genes responsible for vancomycin resistance by Multiplex-PCR among enterococci isolated from in-patients and out-patients referring to Tabriz Imam-Reza hospital

Approved by: Tuberculosis and Lung Research Center, Tabriz University of Medical Sciences (2007)

8. Study of prevalence and antimicrobial susceptibility of bacteria isolated from blood cultures at Imam-Khomeini hospital, Tabriz

Approved by: Vice-Chancellor for Research of Tabriz University of Medical Sciences (2007)

7. Bactericidal effect of different power setting of Er, Cr: YSGG laser against *Enterococcus faecalis* compared with sodium hypochlorite irrigation

Approved by: Faculty of Dentistry and Vice-Chancellor for Research, Tabriz University of Medical Sciences (2007)

6. Comparative study of molecular techniques (PCR) and culture in the diagnosis of *Campylobacter* species in patients with diarrhea

Approved by: Infectious and Tropical Diseases Research Center, Tabriz University of Medical Sciences (2005)

5. Prevalence of *Gardnerella vaginalis* and *Neisseria gonorrhoeae* and their risk factors and clinical findings in women under coverage of Tabriz health care centers

Approved by: Research Vice-Chancellor, Tabriz University of Medical Sciences (2004)

4. Taxonomic evaluation of *Helicobacter* spp. in stomach of stray dogs in Tabriz city

Approved by: Faculty of Veterinary Medicine, Islamic Azad University (2004)

3. Effects of combined antibiotics in drug resistant urinary tract infections

Approved by: Research Vice-Chancellor, Tabriz University of Medical Sciences (2004)

2. Detection and tracing of *Enterococcus faecalis* contamination in root canals of necrotic teeth with PCR and its association with clinical symptoms

Approved by: Research Vice-Chancellor, Tabriz University of Medical Sciences (2004)

1. Evaluation of molecular diversity of methicillin-resistant *Staphylococcus aureus* strains isolated from patients and personnel of Tabriz Imam-Khomeini and Children hospitals in 2004-2005

Approved by: Applied Pharmaceutical Research Center, Tabriz University of Medical Sciences (2004)

SUPERVISOR / ADVISOR for THESES

38. Comparision of bacterial microleakage in open apex teeth obturated with two different obturation techniques

Author: Kamal Alizadeh

Submitted for: Dentistry (D.D.S.) degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisors: Dr. Mahsa Eskandari Neghad

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 61776, Date of defend: May 2020, with mark of 17.94 and very well degree

37. Antimicrobial effect of different concentrations of Simvastatin and triple antibiotic paste on *Enterococcus faecalis* biofilm at different stages of development in the dental canal

Author: Isun Taleb

Submitted for: Dentistry (D.D.S.) degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisors: Dr. Saeed Rahimi

Advisors: Dr. Negin Ghasemi, **Mohammad Hossein Soroush Barhaghi**

Thesis No: 61501, Date of defend: September 2019, with mark of 17.99 and very well degree

36. Peptide nucleic acid-mediated re-sensitization of colistin resistance *Escherichia coli* KP81 harboring *mcr-1* plasmid

Author: Javad Nezhadi

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Hossein samadi kafil, **Mohammad Hossein Soroush Barhaghi**

Advisors: Dr. Mohammad Ahangarzadeh Rezaee, Dr. Reza Ghotaslou, Dr. Tahereh Pirzadeh

Thesis No: 60511, Date of defend: September 2019, with mark of 19.41 and excellent degree

35. The resistance rate to Fosfomycin in clinical *Enterobacteriaceae* isolates in Tabriz during 2018

Author: Aydin Lallehzadeh

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Reza Ghotaslou, **Mohammad Hossein Soroush Barhaghi**

Advisors: Dr. Javid Sadeghi, Dr. Mohammad Ahangarzadeh Rezaee, Dr. Tahereh Pirzadeh

Thesis No: 60273, Date of defend: August 2019, with mark of 19.65 and excellent degree

34. Evaluation of molecular epidemiology and phenotypic and genotypic detection of carbapenem resistance mechanisms and effects of liposomal form of meropenem among carbapnem resistant *Enterobacteriaceae*

Author: Naser Alizadeh

Submitted for: Ph.D. degree in Medical Bacteriology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Reza Ghotaslou, Dr. Mohammad Ahangarzadeh Rezaee

Advisors: **Mohammad Hossein Soroush Barhaghi**, Dr. Alka Hasani, Dr. Hossein Samadi Kafil, Dr. Morteza Milani

Thesis No: 60050,

33. Assessment of biofilm, virulence genes, serogroup, antibiotic susceptibility and frequency of efflux pump genes (*acrAB*) in *Escherichia coli* isolated from urine samples of patients in Sina Hospital Tabriz since 2016-2017

Author: Arezu Noei Oskouie

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Alka Hasani, Dr. Mohammad Ahangarzadeh Rezaee

Advisors: **Mohammad Hossein Soroush Barhaghi**, Dr. Akbar Hasani

Thesis No: 58558, Date of defend: December 2019, with mark of 19.96 and excellent degree

32. Antibacterial and antibiofilm effects of Curcuma and Chitosan against methicillin resistant *Staphylococcus aureus*, carbapenem resistant *Pseudomonas aeruginosa*, AmpC producing *Enterobacteriaceae* and carbapenem resistant *Enterobacteriaceae*

Author: Shima Etemadi

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Reza Ghotaslou

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 58503, Date of defend: August 2019, with mark of 17.77 and very well degree

31. Frequency of beta toxin and phage Sa3 in *Staphylococcus aureus* isolates collected from multiple sclerosis (MS) patients and nasal carriers

Author: Mina Alinejhad Fard Fakhim

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Javid Sadeghi, **Mohammad Hossein Soroush Barhaghi**

Advisor: Dr. Masoud Nikanfar

Thesis No: 58590,

30. Antimicrobial effect of nano Calcium Hydroxide on the *Enterococcus faecalis* biofilm at different developmental stage

Author: Leila Dadizadeh

Submitted for: Dentistry (D.D.S.) degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. M.F. Reyhani

Advisors: Dr. N. Ghasemi, **Mohammad Hossein Soroush Barhaghi**

Thesis No: 59358, Defense Date: April 2019, with mark of 17.95 and very well degree

29. Determination of quinolone and fluoroquinolone resistance genes in clinical isolates of *Enterobacteriaceae* in Tabriz and Uromia during 2016

Author: Robab Azargun

Submitted for: Ph.D. degree in Medical Bacteriology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Reza Ghotaslou

Advisors: Dr. Hossein Samadi Kafil, **Mohammad Hossein Soroush Barhaghi**, Dr. Mahin Ahangar Oskoei

Thesis No: 95/5-7/1, Date of defend: December 2018, with mark of 19.80 and excellent degree

28. The resistance rate to tetracyclines and the frequency of resistance genes *tetA*, *tetB*, *tetC*, *tetD*, *tetE*, *tetG*, *tetJ* and *tetY* in clinical *Enterobacteriaceae* isolated from the Hospitals of Tabriz in 2017

Author: Elham Sheykhsaran

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Reza Ghotaslou

Advisors: **Mohammad Hossein Soroush Barhaghi**, Dr. Hossein Bannazadeh Baghi

Thesis No: 58182, Date of defend: October 2018, with mark of 19.82 and excellent degree

27. Identification of integrons associated with antibiotic resistance in *Pseudomonas aeruginosa* isolates from hospitals in Tabriz

Author: Shahram mobaraki

Submitted for: M.Sc. degree in Medical Microbiology, Autonomous Pardis, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Aghazadeh, Dr. Hossein Samadi Kafil

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 94/2-7/1, Defense Date: Sep. 2017, with mark of 19.42 and excellent degree

26. Detection of *Bordetella pertussis* by culture, ELISA and PCR in Tabriz 2015

Author: Yalda Mohammadzadeh Asl

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Reza Ghotaslou, Dr. Mohammad Taghi Akhi

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 93/2-4/7, Defense Date: March 2017, with mark of 20 and excellent degree

25. Investigation of the virulence factors and biofilm formation of *Enterococcus faecalis* isolates from dental plaques in Tabriz

Author: Masoud Akbari Aghdam

Submitted for: M.Sc. degree in Medical Microbiology, Autonomous Pardis, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Aghazadeh, Dr. Hossein Samadi Kafil

Advisors: **Mohammad Hossein Soroush**, Dr. Mahdi Haghdooost

Thesis No: 94/2-5/8, Defense Date: January 2017, with mark of 19.48 and excellent degree

24. Comparison of antibacterial property of AH 26 sealer mixed with amoxicillin or triple antibiotic pastes or Triphala on *Enterococcus faecalis* in different time intervals: an in vitro study

Author: Saeide rahimi

Submitted for: Dentistry (D.D.S.) degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Mahsa Eskandarinezhad

Advisors: Dr. Shahriyar Shahi, [Mohammad Hossein Soroush](#)

Thesis No: 1590, Defense Date: Sep. 2016, with mark of 17.99 and very well degree

23. Evaluation of the film thickness and antibacterial property of Mineral trioxide aggregate mixed with propylene glycol as a root canal sealer at different time intervals

Author: Ayda Moeinian

Submitted for: Dentistry degree, Faculty of Dentistry, Aras International Branch, Tabriz University of Medical Sciences

Supervisor: Dr. Amin Salem Milani

Advisor: [Mohammad Hossein Soroush](#)

Thesis No: 36/A, Defense Date: March 2016, with mark of 17.99 and very well degree

22. Evaluation of sealing ability of mineral trioxide aggregate mixed with propylene glycol as a root canal sealer: A bacterial microleakage study

Author: Solmaz Firoozi

Submitted for: Dentistry degree, Faculty of Dentistry, Aras International Branch, Tabriz University of Medical Sciences

Supervisor: Dr. Amin Salem Milani

Advisors: Dr. Shahriyar Shahi, [Mohammad Hossein Soroush](#)

Thesis No: 34/A, Defense Date: March 2016, with mark of 17.99 and very well degree

21. The microbiological comparison of nickel-titanium rotary Mtwo and BioRaCe instruments in root canal cleaning

Author: Davood Sokhandani

Submitted for: Dentistry degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Hamid Mokhtari

Advisor: [Mohammad Hossein Soroush](#)

Thesis No: 1512, Defense Date: Feb. 2015, with mark of 17.92 and very well degree

20. Antibacterial effect of three endodontic sealers(AH 26, Endofill and Biofill) on *Enterococcus faecalis* in different time intervals : an in vitro study

Author: Elena Pourfarzi

Submitted for: Dentistry degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Hamid Reza Mokhtari

Advisor: [Mohammad Hossein Soroush](#)

Thesis No: 26/A, Defense Date: Nov. 2015, with mark of 17.92 and very well degree

19. In vitro Comparison of Bactericidal Effect of 2.5% Gel and 2.5% and 5.25% Solution of NaOCl against *Enterococcus faecalis* Biofilm

Author: Mehdi Sadeghi

Submitted for: Dentistry degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Vahid Zand

Advisors: Dr. Mehrdad Lotfi, [Mohammad Hossein Soroush](#)

Thesis No: 484, Defense Date: September 2016, with mark of 20 and excellent degree

18. Prevalence of *cpaA* and *bap* genes in drug resistant clinical isolates of *Acinetobacter baumannii* and their role on biofilm formation

Author: Arezu Fallah

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Hossein Samadi Kafil, Dr. Mohammad Ahangarzadeh Rezaee

Advisors: Dr. Alka Hasani, [Mohammad Hossein Soroush](#),

Thesis No: 94.2-5.6, Defense Date: Sep. 2017, with mark of 19.87 and excellent degree

17. Fecal Carriage of ESBL types TEM, SHV, CTX producing *Proteus*, *Morganella*, *Providencia* in healthy carriers of ghazitabatabaei teaching and treatment center of Tabriz-2014

Author: Pooria Golizadeh

Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Mohammad Taghi Akhi

Advisors: Dr. Reza Ghotaslou, Dr. Mohammad Asgharzadeh, [Mohammad Hossein Soroush](#), Dr. Behrooz Nagili

Thesis No: 93.2-3.10, Defense Date: Sep. 2015, with mark of 19.6 and excellent degree

16. Comparison of rotary Reciproc system (one file) and instrumentation on the elimination of *Enterococcus faecalis* from a root canal system: An in-vitro study

Author: Amir Dabbagh Asadollahipour

Submitted for: Doctor of Dental surgery (D.D.S.) degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Mahsa Eskandarinezhad

Advisors: Dr. Sahar Shakouie, [Mohammad Hossein Soroush](#)

Thesis No: 1507, Defense Date: April 2015, with mark of 17.99 and very well degree

15. Investigating of antimicrobial efficiency of starch-stabilized zero-valent iron nanoparticles on *Escherichia coli*

Author: Roya Zarei

Submitted for M.Sc degree in Environmental health engineering, Faculty of Health, Tabriz University of Medical Sciences

Supervisor: Dr. Mohammad Mosaferi

Advisors: [Mohammad Hossein Soroush Barhaghi](#), Dr. Alireza Khataee

Thesis No: 151, Defense Date: March 2014 with mark of 19.5 and excellent degree

14. Evaluation of urinary tract infection and antibiotic sensitivity of microorganisms Involved in infections in Tabriz city (Ostad Alinasab and 29 Bahman hospitals) in 2010-2011

Author: Meghdad Khedmati Ogholbeyk

Submitted for: Pharm.D degree, Faculty of Pharmacy, Tabriz University of Medical Sciences

Supervisors: Dr. Bahloul Habibi Asl, Dr. Seyed Esmaeel Moghadaspoor Behrooz, Dr. Hamid Tayebi Khosroshahi

Advisor: [Mohammad Hossein Soroush Barhaghi](#)

Thesis No: 3717, Defense Date: March 2014 with mark of 19.67 and excellent degree

13. Molecular basis of plasmid mediated quinolone resistance (PMQR) in *Escherichia coli* and *Klebsiella pneumoniae* clinical isolates, their relation with integrase genes and genome typing of PMQR isolates by ERIC-PCR

Author: Foroogh Shams

Submitted for: M.Sc. degree in medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Alka Hasani, Dr. Mohammad Ahangarzadeh Rezaee

Advisors: Dr. Mohammad Reza Nahaei, Dr. Akbar Hasani, **Mohammad Hossein Soroush**

Thesis No: 91.2-3.5, Defense Date: Feb. 2015 with mark of 18.43 and very well degree

12. The evaluation of stethoscopes that are used in Intensive Care Unit (ICU) wards of Tabriz University of Medical Sciences in regard of nosocomial infections

Author: Yousef Rashtbar

Submitted for M.D degree, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Behrooz Naghili

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 90.1-3.13, Defense Date: Sep. 2013 with mark of 17.03 and very well degree

11. Typing of *Staphylococcus aureus* isolated from clinical specimens, between the 2003-2009, using PCR-RFLP, on protein A, coagulase and hyper variable region genes in Tabriz

Author: Seyed Foad Mirkarimi

Submitted for: M.Sc. degree in medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Ahangarzadeh Rezaee, Dr. Alka Hasani

Advisors: **Mohammad Hossein Soroush**, Dr. Morteza Gojazadeh

Thesis No: 90.2-2.2, Defense Date: Sep. 2013 with mark of 17.1 and very well degree

10. Isolation of *Legionella pneumophila* in Tabriz hospitals water supply by culture and PCR

Author: Fatemeh Yeganeh

Submitted for: M.Sc. degree in medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Reza Ghotaslou, Dr. Mohammad Taghi Akhi

Advisors: **Mohammad Hossein Soroush**, Dr. Mohammad Saeed Hejazi

Thesis No: 89.2-6.8, Defense Date: Jan 2013 with mark of 20 and excellent degree

9. The Effects of Chlorhexidine Gluconate 2% on the Antimicrobial Properties of Calcium Enriched Mixture

Author: Mahsa Safaralizadeh

Submitted for: Doctorate of Dental medicine, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisor: Dr. Mohammad Furugh Reyhani

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 1304, Defense Date: July 2012 with mark of 17.99 and very well degree

8. DNA fingerprinting of *Clostridium difficile* isolated from asymptomatic carriers, symptomatic patients and different wards environment of Teaching and Treatment Center of Imam Reza

Author: Tahereh Pirzadeh

Submitted for: Ph.D. degree in medical bacteriology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Taghi Akhi, Dr. Mohammad Aghazadeh

Advisors: Dr. Behrooz Naghili, Dr. Morteza Ghojzadeh, **Mohammad Hossein Soroush**

Thesis No: 88.4-3.3, Defense Date: 29.02.2012, with mark of 19.72 and excellent degree

7. Extended-spectrum β -lactamases TEM, in clinical isolates of *Escherichia coli* from different clinical specimens of education and treatment center of Tabriz and Khoy-2010

Author: Farnaz Shamkani

Submitted for: M.Sc. degree in medical Microbiology, Aras International Branch, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Taghi Akhi, Dr. Mohammad Mehdi Soltan Dalal

Advisors: Dr. Morteza Ghojzadeh, **Mohammad Hossein Soroush Barhaghi**

Thesis No: 181029, Defense Date: Sep 2011, with mark of 19.5 and excellent degree

6. Diagnosis of pulmonary infections due to *Mycoplasma pneumonia* by Culture, ELISA, and PCR methods at Tabriz Medical University

Author: Simin Sharifi Ghazi Jahani

Submitted for: M.Sc. degree in medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisors: Dr. Reza Ghotaslou, Dr. Mohammad Taghi Akhi

Advisor: **Mohammad Hossein Soroush Barhaghi**

Thesis No: 87.2-1.6, Defense Date: Sep 2009, with mark of 18.55 and excellent degree

5. Comparison the effect of the conventional pasteurized and *Lactobacillus acidophilus*-fortified pasteurized yogurts on *Candida albicans* in-vitro

Author: Vahideh Khaleghi

Submitted for: General Dentistry degree, Faculty of Dentistry, Tabriz University of Medical Sciences

Supervisors: Dr. Hooman Ebrahimi, **Mohammad Hossein Soroush Barhaghi**

Advisor: Dr. Ali Taghavi Zonouzi

Thesis No: 1140, Defense Date: Sep 2008, with mark of 19 and excellent degree

4. Study on prevalence and antimicrobial susceptibility of bacteria isolated from blood cultures in Tabriz Imam- Khomeini Hospital

Author: Seyyed Ali Akbar Hosseini

Submitted for: M.D degree, Faculty of Medicine, Tabriz University of Medical Sciences

Supervisor: Dr. Mohammad Reza Nahaei

Advisors: **Mohammad Hossein Soroush Barhaghi**, Amir Peymani

Thesis No: 86.1-1.2, Defense Date: August 2008, with mark of 19.25 and excellent degree

3. Taxonomic study of *Helicobacter* species in stray dog stomach and its relationship with stomach wounds and tumors

Author: Ali Bahadori

Submitted for: Doctor of Veterinary Medicine (DVM), Islamic Azad University, Tabriz

Supervisor: Dr. Dariush Shirani

Advisors: Dr. Seyed Ali Shabestari Asl, **Mohammad Hossein Soroush Barhaghi**

Thesis No: 1021051832050, Defense Date: Oct. 2005, with mark of 20 and excellent degree

2. Prevalence of *Gardnerella vaginalis* and *Neisseria gonorrhea* and their risk factors and clinical findings in women covered by Tabriz health centers, 2004

Author: Sepideh Fathi

Submitted for: M.Sc. degree in Midwifery, Faculty of Nursing and Midwifery, Tabriz

University of Medical Sciences

Supervisor: Reyheneh Eivan Baga

Advisors: **Mohammad Hossein Soroush Barhaghi**, Dr. Jalil Babapur

Thesis No: 174, Defense Date: July 2005, with excellent degree

1. Evaluation of the effect of common antibiotics on *Pseudomonas aeruginosa* isolated from patients with pneumonia in Imam Khomeini Hospital of Tabriz in 2003-2004

Author: Hossein Taghipoor

Submitted for: Pharm.D degree, Faculty of Pharmacy, Tabriz University of Medical Sciences

Supervisors: Dr. Mohammad Ebrahim Ebrahimzadeh, **Mohammad Hossein Soroush Barhaghi**,

Thesis No: 3230, Defense Date: April 2005, with mark of 18.54 and excellent degree

REVIEWER

Reviewer for Thesis:

25. Relationship between capsule genotypes, antibiotic resistance and virulence factors in *Klebsiella pneumoniae* isolated from clinical specimens in Tabriz, 2017

Author: Elghar Soltani, Defense Date: January 2020, Thesis No: 58664

Submitted for: M.Sc. degree in Medical Microbiology, Immunology Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

24. Determine the frequency of *mecA*, *speG*, *arcA* and *pvl* genes in *Staphylococcus aureus* isolates collected from wound infections in Sina hospital, Tabriz 2016

Author: Nastaran Esmailzadeh, Defense Date: 29 Sep. 2018, Thesis No:

Submitted for: M.Sc. degree in Medical Microbiology, Immunology Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

23. Frequency of pathogenic bacteria involved in ventilator associated pneumonia (VAP) in adult Intensive Care Unit (ICU), Tabriz Imam Reza Hospital, and evaluation of biofilm formation

Author: Elnaz Shahrokhi, Defense Date: 20 Aug. 2018, Thesis No:

Submitted for: M.Sc. degree in Medical Microbiology, Lung Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

- 22. The frequency of resistance to co-trimoxazole, *sul*, *dfr* and integron genes among *Enterobacteriaceae* isolate from urinary tract infections in Medical Training and Therapeutic Hosptal of Tabriz University of Medical Sciences during 2016-2017**
Author: Mina Yekani, Defense Date: 22 Apr. 2018, Thesis No: 57873
Submitted for: M.Sc. degree in Medical Microbiology, Immunology Research Center, Faculty of Medicine, Tabriz University of Medical Sciences
- 21. Prevalence, antimicrobial susceptibility and multiplex PCR- serotyping of *Listeria monocytogenes* isolated from humans, foods and livestock**
Author: Ardalan chaharbalesh, Defense Date: 13 Feb. 2017, Thesis No: 93/1-8/8
Submitted for: M.Sc. degree in Medical Microbiology, Immunology Research Center, Autonomous Pardis (Aras), Tabriz University of Medical Sciences
- 20. Effect of Shirazi *Zataria multiflora* on the production of biofilm in *Staphylococcus epidermidis* in laboratory conditions**
Author: Zahra Motagheian, Defense Date: 24 Sep. 2016, Thesis No:
Submitted for: M.Sc. degree in Medical Microbiology, Faculty of Medicine, Tabriz University of Medical Sciences
- 19. Detection of shiga toxin producing *Escherichia coli* by multiplex PCR and antibiotic resistance pattern of the isolates**
Author: Ali Toloue Ostadgavahi, Defense Date: 10 Sep. 2016, Thesis No: 92/1-2/2
Submitted for: M.Sc. degree in Medical Microbiology, Autonomous Pardis (Aras), Tabriz University of Medical Sciences
- 18. Study effect of secreted system type III genes in biofilm formation and its relation with drug resistance of clinically isolated *Pseudomonas***
Author: Somayeh Azimi, Defense Date: 5 Jun. 2016, Thesis No: 93/2-4/7
Submitted for: M.Sc. degree in Medical Microbiology, Autonomous Pardis (Aras), Tabriz University of Medical Sciences
- 17. Determination of bacterial contamination by *Pseudomonas aeruginosa* and *Escherichia coli* in used and unused skin and eye cosmetic products**
Author: Leila Dadashi, Defense Date: 9 Aug. 2016, Thesis No: B/272
Submitted for: M.Sc. degree in Environmental Health Engineering, Faculty of Health, Tabriz University of Medical Sciences
- 16. Biofilm formation and virulence factors in uropathogenic *Escherichia coli* associated resistant to beta-lactam antibiotics in north west of Iran**
Author: Sargol Fatahi, Defense Date: 15 Mar. 2016, Thesis No: 93/2-6/4
Submitted for: M.Sc. degree in Medical Microbiology, Immunology Research Center, Faculty of Medicine, Tabriz University of Medical Sciences
- 15. Determination the effects of point of use treatment systems in reduction of gram-negative bacilli (*E.coli*, *Pseudomonas aeruginosa* and *Aeromonas*) from Tabriz drinking water supply network**
Author: Masoumeh Ebrahimi, Defense Date: 25 Jan. 2016, Thesis No: B/235

Submitted for: M.Sc. degree in Environmental Health Engineering, Faculty of Health, Tabriz University of Medical Sciences

14. Determination of antibiotic-resistant bacteria population in Tabriz wastewater of hospitals, influent and effluent of wastewater treatment plant and drinking water

Author: Maryam Roshani, Defense Date: 9 Nov. 2015, Thesis No: B/174

Submitted for: M.Sc. degree in Environmental Health Engineering, Faculty of Health, Tabriz University of Medical Sciences

13. Prevalence of diarrheagenic *Escherichia coli* in children with gastroenteritis referred to Tabriz children hospital by molecular methods

Author: Gholamhassan Shahbazi, Defense Date: 1 Jun. 2015, Thesis No: 91/2-4/6

Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

12. Detection of plasmid-mediated *ampC* β -lactamase genes of family of CIT, MOX, DHA in clinical isolates of *Escherichia coli* isolated from West and North-West, Iran

Author: Akbar Mohammadzadeh, Defense Date: 22 Sep. 2015, Thesis No: 92/1-4/4

Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Autonomous Pardis (Aras), Tabriz University of Medical Sciences

11. Study on virulence factors of *Helicobacter pylori* (*iceA*, *oipA*, *babA2*, and *sabA* genes)

Author: Leila Yousefi, Defense Date: 14 May. 2015, Thesis No: 91/2-3/8

Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

10. 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

Author: Peyman Bohlouli, Defense Date: 5 May. 2015, Thesis No: 88/5401

Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, International Campus (Aras), Tabriz University of Medical Sciences

9. Facultative and obligate anaerobic bacteria isolated from diabetic foot infection of diabetic patients and determination of antibiotic susceptibility patterns and *mecA* genes among *Staphylococcus aureus*

Author: Naser Alizadeh, Defense Date: 16 Mar. 2015, Thesis No: 92/2-6/3

Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Faculty of Medicine, Tabriz University of Medical Sciences

8. Evaluation of relationship between virulence genes *hly*, *cnf1*, *afa*, *sfa*, *pap*, *aer*, *cvaC* of uropathogenic *Escherichia coli* (UPEC) isolated from renal patients with multi drug resistance in Tabriz

Author: Samaneh Mehri, Defense Date: 16 Mar. 2015, Thesis No: 91/2-4/7

Submitted for: M.Sc. degree in Medical Microbiology, Research Center for Chronic Kidney Disease (Renal Failure), Faculty of Medicine, Tabriz University of Medical Sciences

7. **Investigation of antibiotic resistance pattern of aerobic and anaerobic bacteria isolated from surgical site infections of hospitalized patients in Imam-Reza hospital and phenotypic and genotypic (*nim* gene) study of metronidazole resistance in *Bacteroides fragilis* isolates**
 Author: Mohammad Yousef Memar, Defense Date: 19 Feb. 2015, Thesis No: 91/2-2/9
 Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Faculty of Medicine, Tabriz University of Medical Sciences
6. **Molecular characterization and SCCmec typing in methicillin-resistant *Staphylococcus aureus* isolated from clinical samples 2003-2010**
 Author: Mohammad Fateh Amirkhiz, Defense Date: 12 Sep. 2013, Thesis No:
 Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, International Branch (Aras), Tabriz University of Medical Sciences
5. **Colonization rates of *S.aureus*, *S.pneumoniae*, and *H.influenza* in patients with swine flu type A (H1N1) and control groups**
 Author: Firozeh Safaeyan, Defense Date: 15 Dec. 2012, Thesis No: 189065
 Submitted for: M.Sc. degree in Medical Microbiology, International Branch (Aras), Tabriz University of Medical Sciences
4. **Study of clinical and laboratory findings and complications of infectious endocarditis**
 Author: Habib Bornak, Defense Date: 8 Aug. 2010, Thesis No: 88/1-1/1
 Submitted for: MD degree in Medicine, Faculty of Medicine, Tabriz University of Medical Sciences
3. **Frequency surveillance of extended-spectrum β -lactamases (ESBLs) PER1 & VEB1 of *Pseudomonas aeruginosa* isolated from hospitalized patients in intensive care units of Imam-Reza and Shahid-Madani teaching and treatment centers of Tabriz University of Medical Sciences**
 Author: Younes Khalili, Defense Date: 25 Jul. 2010, Thesis No: 87/2-1/4
 Submitted for: M.Sc. degree in Medical Microbiology, Infectious Diseases & Tropical Medicine Research Center, Faculty of Medicine, Tabriz University of Medical Sciences
2. **Sensitivity of *Escherichia coli* isolates from urinary tract infection of intensive care unit (ICU) and out patients against fluroquinolones using disk agar diffusion method and determination of minimum inhibitory concentration (MIC) against ciprofloxacin**
 Author: Armita Mahdavi, Defense Date: 7 Jul. 2008, Thesis No: 85/2-11/1
 Submitted for: M.Sc. degree in Medical Microbiology, Drug Applied Research Center, Faculty of Medicine, Tabriz University of Medical Sciences
1. **Retrospective evaluation of nosocomial urinary tract infections prevalence and antibiotic susceptibility pattern of microorganisms involved in these infections in Tabriz in 2003**
 Author: Fatemeh Mahmoudi, Defense Date: 12 Sep. 2004, Thesis No: 3155
 Submitted for: Public Doctorate degree in Pharmacy, Faculty of Pharmacy, Tabriz University of Medical Sciences

Reviewer for Articles:

- **Papers for presentation at the 8th International Congress of Clinical Microbiology of Iran, Tabriz (30 Sep-2 October, 2014)**
Referrer: Scientific Secretary of Congress (Letter No. 5/61/1129 dated 11 Aug. 2014)

Reviewer for Inventions:

- **Application of *Juniperus communis* extract in a pectin-based biodegradable film for active packaging**
Referrer: Deputy Dean for Research, Faculty of Medicine, Tabriz University of Medical Sciences (Letter No. 54/28231 dated 28 Dec. 2014)
- **Design of a specific culture medium called as Carbafirm to identify the carbapenemase producing bacteria in clinical laboratories**
Referrer: Deputy Dean for Research, Faculty of Medicine, Tabriz University of Medical Sciences (Letter No. 54/35160 dated 15 Mar. 2016)

Reviewer for Research Projects:

- 25. Evaluation of CRISPR-Like sequences and *spoT* gene among *Helicobacter pylori* isolates and determination of their association with antibiotic resistance and biofilm formation**
Referrer: Deputy Dean for research of Medicine Faculty, Tabriz University of Medical Sciences (2020)
- 24. Evaluation of the synergistic effect of phage and thymol on the biofilm of *Enterococcus faecalis* bacteria**
Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (16 September 2018)
- 23. Investigation of salivary bacterial flora and PH of mental retarded children in Tabriz Tooba Welfare organization**
Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (11 August 2018)
- 22. Ribotyping of *Clostridium difficile* isolates isolated from patients referred to Imam Reza hospital, Tabriz in 2018**
Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (19 July 2018)
- 21. Antimicrobial effect of nano calcium hydroxide on the *Entrococcus faecalis* biofilm at different developmental stage**
Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (15 November 2017)

20. Antimicrobial effect of the incorporation of zirconium oxide and zinc oxide nanoparticles to the Portland cement against *Candida albicans* and *Enterococcus faecalis*

Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (24 December 2017)

19. Evaluation of antibacterial effect of mouthwash containing *Glycyrrhiza glabra* extract on *Helicobacter pylori* as in-vitro study

Referrer: Department of Oral and Maxillofacial Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (12 December 2017)

18. Comparison of anti-gastritis and chlorhexidine mouthwash on standard *Helicobacter pylori* strains in in-vitro culture

Referrer: Department of Oral and Maxillofacial Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (2 October 2017)

17. Evaluation the Antibacterial effect of Aloe Vera on the *Enterococcus faecalis* biofilm at different stages of development

Referrer: Department of Endodontics, Faculty of Dentistry, Tabriz University of Medical Sciences (7 February 2017)

16. Antimicrobial effect of different concentrations of Simvastatin and triple antibiotic paste on the *Enterococcus faecalis* biofilm at different developmental stage

Referrer: Department of Endodontics, Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (30 November 2016)

15. Comparison of disinfecting effect of H₂O₂ with aldehyde on heat-cured acrylic resin

Referrer: Department of Endodontics, Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (2 March 2016)

14. Investigating the contamination of health centers and laboratories with nontuberculous mycobacteria in Tabriz city

Referrer: Deputy Dean of research of Paramedical Faculty, Tabriz University of Medical Sciences (5 November 2014)

13. Determination of the Effect of Point-of-Use Purification Systems on Microbial Quality of Tabriz Wastewater Network

Referrer: Deputy Dean for research of Health Faculty, Tabriz University of Medical Sciences (12 February 2014)

12. Synergist effect of honey and propolis toward *Streptococcus mutans* and methicillin resistant *Staphylococcus aureus*

Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (20 October 2013)

11. Effectiveness of microwave on disinfection of type III dental stone casts contaminated with *Bacillus subtilis*

Referrer: Research Center for Gum and Dental Diseases, Faculty of Dentistry, Tabriz University of Medical Sciences (3 October 2013)

10. Investigation of antibiotic resistance pattern of aerobic and anaerobic bacteria isolated from surgical site infection of hospitalized patients in Imam-Reza hospital and phenotypic and genotypic (*nim* genes) study of metronidazole resistance in *Bacteroides fragilis* isolates

Referrer: Research Center of Infectious & Tropical Diseases, Tabriz University of Medical Sciences (8 October 2012)

9. Antibiotic resistance pattern of microorganisms isolated from the heart disease patient's urine cultures in laboratory of Tabriz Shahid-Madani hospital during 2000-2010

Referrer: Student Research Committee, Tabriz University of Medical Sciences (24 August 2011)

8. In vitro evaluation of wear of gypsum type III in cast from alginate immersions after disinfection with micro 10, glutaraldehyde 2%, hypochlorite 5.25% and deconex by spray technique or immersion

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (19 October 2008)

7. Effectiveness of microwave sterilization of the type III dental stone casts in comparison with sodium hypochlorite 0.525% contaminated with microbial strains

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (9 September 2008)

6. Comparison between spray of 0.525% sodium hypochlorite and 1% virkon in disinfecting of the type III dental stone casts contaminated with microbial strains

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (9 September 2008)

5. Evaluation of bacterial contamination in Paramedical Faculty student's cell phones and fixed phones in this faculty and Imam-Reza hospital

Referrer: Student Research Committee, Tabriz University of Medical Sciences (6 May 2008)

4. The Comparative study of antibacterial efficacy of three different root canal lubricants against *Enterococcus faecalis*

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (16 October 2006)

3. A prospective clinical, microbiological and biochemical study of bacterial meningitis in Iran

Referrer: Research Center of Infectious & Tropical Diseases, Tabriz University of Medical Sciences (21 November 2005)

2. The Clinical diagnosis and detection of *Helicobacter pylori* in dental plaque through polymerase chain reaction (PCR)

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (30 May 2005)

1. Designing, establishing, and optimizing procedure for diagnosis and detection of *Helicobacter pylori* through polymerase chain reaction (PCR)

Referrer: Deputy Dean for research of Dentistry Faculty, Tabriz University of Medical Sciences (20 April 2005)

Retraining and Continuing Education Program:

- Retraining of genitourinary tract infections for clinical laboratory specialists in Education Development Center, Tabriz University of Medical Sciences, 29 November 2007, **as lecturer**
Speech topic: **Men's genitourinary tract infections**
- Retraining of bacteriology for clinical laboratory and pathology specialists and Medicine Doctors, in Education Development Center, Tabriz University of Medical Sciences, 6 days (11-20 June 2002) **as lecturer**
Subject of lecture: **Laboratory Diagnosis of *Legionella* species**
- **Medical Mycology**, 13 days (27 February-10 March 1988)
Research and Educational Center of Laboratory sciences, Iran University of Medical Sciences, Tehran, Iran

WORKSHOPS

57. **Design, compilation and documentation of educational processes**, 10 hours (20 Jun 2019)
Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences
56. **Educational content production by using Articulate Story Line software**, 4 hours (24 April 2019)
Executer: Virtual Learning Center, Tabriz University of Medical Sciences
55. **The role of professors in promoting the cultural status of the university**, 2 hours (18 April 2019)
Executer: Center for consultation of professors & academic elites, and Leadership Institution, Tabriz University of Medical Sciences
54. **Ethical challenges in working with laboratory animals**, 3 hours (25 October 2018)
Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences
53. **Strategic Issues and Food Security of Transgenic Products**, 4 hours (16 October 2018)
Executer: Center for consultation of professors & academic elites, and Leadership Institution, Tabriz University of Medical Sciences
52. **Understanding concepts and the ecosystem of entrepreneurship, teamwork principles and team leadership**, 10 hours (31 July and 1 August 2018)

Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences

51. Acquaintance with research tools and new system of medical research information in the country, 2 hours (30 July 2018)

Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences

50. Educational research knowledge, 4 hours (2 July 2018)

Executer: Center for consultation of professors & academic elites, and Leadership Institution, Tabriz University of Medical Sciences

49. Fasting and health seminar, 6 hours (10 May 2018)

Executer: Center for consultation of professors & academic elites, and Leadership Institution, Tabriz University of Medical Sciences

48. Ethics in the publication of research works, 6 hours (24 October 2017)

Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences

47. Convention for the promotion of doing good and forbidding evil, 3 hours (26 September 2017)

Executer: Center for consultation of professors and academic elites, Tabriz University of Medical Sciences

46. Scientometrics, 6 hours (4 September 2017)

Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences

45. Extracurricular cultural activities of university professors, 3 hours (3 August 2017)

Executer: Center for consultation of professors and academic elites, Tabriz University of Medical Sciences

44. Selection of credible journals for articles publishing, 6 hours (17 July 2017)

Executer: Research Development & Coordination Center, Deputy of Research and Technology, Tabriz University of Medical Sciences

43. Pathology of poor attention to professional ethics, 2 hours (27 October 2016)

Executer: Center for consultation of professors and academic elites, Tabriz University of Medical Sciences

42. Scientific miracle of the Holy Qur'an, 4 hours (17 May 2016)

Executer: Vice-Chancellor for Student Affairs and responsible of Leadership Institution, Tabriz University of Medical Sciences

41. Recognition of Fatima, 4 hours (6 March 2016)

Executer: Vice-Chancellor for Student Affairs and responsible of Leadership Institution, Tabriz University of Medical Sciences

40. Political thought of Islam and the basics of the Islamic revolution-level 2, 16 hours
(January 2016)

Executer: Chancellor of University and responsible of Leadership Institution, Tabriz University of Medical Sciences

39. Principles of the reviewing of articles, 6 hours (16 August 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

38. Skills for publishing articles in authoritative journals, 6 hours (29 October 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

37. Systematic review and meta-analysis, 12 hours (12-13 August 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

36. Validation of journals and scientific productions, 6 hours (10 August 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

35. Reference manager, 6 hours (29 July 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

34. Searching for electronic resources, 12 hours (22-23 July 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

33. Advanced Pubmed, 6 hours (9 June 2015)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

32. Islamic epistemology and philosophy of science, 16 hours (8 and 11 September 2014)

Executer: Management of studies and development of medical education, Vice Chancellor for Education, Tabriz University of Medical Sciences

31. Plagiarism, 6 hours (February 2014)

Executer: Center for Community Oriented Medicine Education (COME), Tabriz University of Medical Sciences

30. Principles of education and training in Islam, 16 hours (February 2014)

Executer: Center for Community Oriented Medicine Education (COME), Tabriz University of Medical Sciences

29. Scientific and professional ethics, and political thought of Islam and the basics of the Islamic revolution, 32 hours (September 2013)

Executer: Central Library of Tabriz University of Medical Sciences

28. Molecular methods in laboratory diagnosis of infectious diseases, 3 day (2-4 October 2012)

Executer: The First International & 6th Iranian Congress of Clinical Microbiology,
Mashhad University of Medical Sciences

27. Writing and printing of the articles at ISI journals, 6 hours (6 September 2011)

Executer: First Iranian Congress of Medical Bacteriology, Faculty of Medicine,
Tabriz University of Medical Sciences

26. SPSS, 2 days (3 and 5 November 2009)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

25. Introduction to electronic databases, 2 days (31 May and 1 June 2009)

Executer: Vice-Chancellor for Research, Tabriz University of Medical Sciences

24. Real Time PCR, 6 hours (4 March 2008)

Executer: Faculty of Medicine, Kerman University of Medical Sciences

23. Educational guidance and counseling (supervisor's system), 2 days (23 November and 7 December 2006)

Executer: Center for studies and development of medical education, Vice-Chancellor for Education, Tabriz University of Medical Sciences

22. Laboratory diagnosis of meningitis, 6 hours (21 July 2005)

Executer: Central laboratory of the province, Vice Chancellor for Drug & Treatment, Tabriz University of Medical Sciences

21. Information technology and health communications (TAKFAB), 1 day (13 January 2005)

Executer: TAKFAB Guidance Council Secretariat of the Ministry of Health and Medical Education

20. Theoretical and practical production of monoclonal antibodies, 20 hours (20-21 Feb. 2004)

Executer: Drug Applied Research Center, Tabriz University of Medical Sciences

19. Application of PCR and electrophoresis methods in molecular detection, 3 days (15-17 February 2003)

Executer: Drug Applied Research Center, Tabriz University of Medical Sciences

18. Internet primary course for academic staff, 24 hours in 12 sessions (from 26 December to 20 February 2003)

Executer: Deputy Dean for Research, Faculty of Medicine, Tabriz University of Medical Sciences

17. Power point - 4 days (9, 10, 16 and 19 February 2002)

Executer: Center for studies and development of medical education, Vice-Chancellor for Education, Tabriz University of Medical Sciences

16. Advanced research method, 5 days (24-28 June 2001)

Executer: Vice Chancellor for Research, Tabriz University of Medical Sciences

- 15. Quality improvement (FOCUS - PDCA), 2 days (20-21 January 2001)**
Executer: Vice Chancellor for Drug & Treatment, Tabriz University of Medical Sciences
- 14. Spectrophotometer, 1 day (1 February 2001)**
Executer: Central laboratory of the province, Vice Chancellor for Drug & Treatment, Tabriz University of Medical Sciences
- 13. Internet, 3 weeks (November 2000)**
Executer: Computer Training Center of Vice Chancellor for Research, Tabriz University of Medical Sciences
- 12. Appropriate sampling principles in the medical diagnostic laboratory, 1day (19 October 2000)**
Executer: Province Laboratories Administration Affairs, Vice Chancellor for Drug & Treatment, Tabriz University of Medical Sciences
- 11. Windows 98, 3 weeks (October 2000)**
Executer: Vice Chancellor for Research, Tabriz University of Medical Sciences
- 10. Management of organizational behavior training course, 3 months (since 2 August 1999)**
Executer: State Management Education Center of Tabriz
- 9. Practical training in PCR, 15 hours (15-16 February 2000)**
Executer: Vice Chancellor for Research, University of Tehran
- 8. Quality improvement in medical education, 5 days (29 June-2 February 2000)**
Executer: Management of studies and development of medical education, Vice Chancellor for Education, Tabriz University of Medical Sciences
- 7. Research method, 6 days (23-28 May 1998)**
Executer: Vice Chancellor for Research, Tabriz University of Medical Sciences
- 6. Writing and presenting of medical articles, 2 days (16-17 July 1997)**
Executer: Vice Chancellor for Research, Tabriz University of Medical Sciences
- 5. Management of time, 8 hours (22 February 1997)**
Executer: State Management Education Center of Tabriz
- 4. Student assessment, 4 days (21-24 October 1996)**
Executer: Management of studies and development of medical education, Vice Chancellor for Education, Tabriz University of Medical Sciences
- 3. Lesson planning and methods of teaching and student assessment, 3 days (22-24 May 1995)**
Executer: Vice Chancellor for Education, Tabriz University of Medical Sciences
- 2. Community oriented medicine, 10 hours (5 December 1994)**

Executer: Center for Community Oriented Medical Education (COME), Tabriz University of Medical Sciences

1. Educational planning and evaluation, 1 day (22 February 1991)

Executer: Vice Chancellor for Education, Tabriz University of Medical Sciences

MEMBERSHIPS

Member of Committees and Councils of Tabriz University of Medical Sciences:

- ♣ Research committee in Microbiology department, Faculty of Medicine, Tabriz University of Medical Sciences, 2017 (until now)
- ♣ Committee for the Ranking of the Faculty of Medicine, 2011
- ♣ University's Scholarship Research Committee, 2010-2011
- ♣ Academic member of the University's Tuberculosis and Pulmonary Diseases Research Center, since 2004
- ♣ Graduate Studies Council of the University's Education Vice-Chancellor, 2001
- ♣ Council of the new system of University, 2000-2001
- ♣ University's Laboratory Policy Council, 1998-2001
- ♣ Educational Council of the University's Evening Courses, 1998-2000
- ♣ Educational Council of the University's Education Vice-Chancellor, 1995-1996
- ♣ Second National Program Planning Committee at the Faculty of Paramedical, 1992

Member of other Centers:

- Editorial board of the Physician and Laboratory Journal, 2007-2012
- Scientific Committee of Iranian Bacteriology, since 2011
- Scientific and executive committee of the 8th International Congress of Clinical Microbiology, Tabriz, 2014

COMMENDATIONS

- ♣ **FOR:** Efforts to train students and realization of packages of evolution and innovation in medical science education at the 11th Motahari Educational Festival and respect of the teacher's dignity
BY: Chancellor and Vice-Chancellor of Tabriz University of Medical Sciences (letter No. 25493; 23 Apr. 2018)
- ♣ **FOR:** Scientific and research efforts and reviewing of graduate students' thesis at Health Faculty, Tabriz University of Medical Sciences
BY: Dean of Health Faculty (letter No. 7421; 28 Jan. 2016)
- ♣ **FOR:** Efforts and perseverance in holding assistance promotion exam
BY: Dean of Medicine Faculty, Tabriz University of Medical Sciences (letter No. 11420; 14 Aug. 2010)
- ♣ **FOR:** Introducing as a sample teacher, due to efforts and activities in the field of education and research
BY: Chancellor of Tabriz University of Medical Sciences (commendation letter; May 2009)
- ♣ **FOR:** Efforts and activities in the field of knowledge and education
BY: Dean of Medicine Faculty (commendation letter; Apr. 2009)
- ♣ **FOR:** Upgrading the level of practical bacteriology classes for medical students
BY: Director of Microbiology Department, Faculty of Medicine; Tabriz University of Medical Sciences (letter No. 138; 11 Jul. 2007)
- ♣ **FOR:** Establishment and equipping of General Microbiology Laboratory in the Faculty of Health and Nutrition, Tabriz University of Medical Sciences (26 Feb. 2003-29 Jan. 2004)
BY: Deputy Dean of Education and Research, Faculty of Health and Nutrition (letter No 5344; 29 Jan. 2004), and Director of Microbiology Department, Faculty of Medicine (letter No. 507; 7 Feb. 2004), and Dean of Medicine Faculty (letter No. 24404; 25 Feb. 2004)
- ♣ **FOR:** Participate in holding the Retraining of bacteriology for clinical laboratory and pathology specialists and Medicine Doctors, in Education Development Center, Tabriz University of Medical Sciences, 6 days (11-20 June 2002)
BY: Director of Microbiology Department, Faculty of Medicine (letter No. 112; 25 Jun. 2002)

Last Revised: 21 January 2021