

## CURRICULUM VITAE (C.V.)

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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**

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### PERSONAL DATA

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

### CONTACT INFORMATION

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### PROFILE ADDRESS

**Orcid ID:** 0000-0003-0524-738X (<https://orcid.org/0000-0003-0524-738X>)  
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**ResearchGate ID:** ([https://www.researchgate.net/profile/Mohammad\\_Soroush\\_Barhaghi2](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, Poursya 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***  
Arezoo 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](#)  
*Lanset 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](#),  
Fatemeh 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 Mosafery, 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, Yousefrezha 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. Haghdoost, 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 Soroush barhaghi**, 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 Ghotaslou, Mohammad Asgharzadeh, **Mohammad Hossein 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, Mosafere 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, **Barhagi 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, **Barhagi 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 Barhagi**, Poorya Gholizade, Asghar Elli Arbatan  
*Life Science Journal*, 2014; 11(12s): 1032-1035-(ISSN: 1097-8135)

**33. Carriage of Class 1 and 2 Integrons in Quinolone, Extended-Spectrum- $\beta$ -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 Barhagi**, Ali Pormohammad, Asghar Elli Arbatan  
*Advanced Pharmaceutical Bulletin*, 2015, 5(3), 335-342

**32. Prevalence of extended-spectrum  $\beta$ -lactamases and characterization of integron class 1 in extended spectrum  $\beta$ - 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 barhagi**, 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  $\beta$ -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- $\beta$ -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- $\beta$ -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**

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- 8. Guidelines for the Differential Diagnosis of Pathogenic Bacteria**

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**7. Guidelines for the Differential Diagnosis of Pathogenic Bacteria**

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## Abstracts (Conference Papers):

**52. Prevalence, clinical manifestations and seasonality of pertussis in Tabriz, Iran**

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[Poster No: icmb-01760113-P, Abstract Book: pp. 207, English]

5<sup>th</sup> Iranian Congress of Medical Bacteriology; 15-17 Aug 2018. Medical University of Maragheh, Iran

**51. Prevalence of plasmid-mediated quinolone resistance genes among *Escherichia coli* isolated from urinary tract infections in Tabriz**

Robab Azargun, [Mohammad Hossein Soroush Barhaghi](#), Hossein Samadi Kafil, Mahin AhangarOskoei, Reza Ghotaslou

[Poster No: icmb-01900132-P, Abstract Book: pp. 125, English]

5<sup>th</sup> Iranian Congress of Medical Bacteriology, 15-17 Aug, 2018. Medical University of Maragheh, Iran

**50. Molecular mechanisms of fluoroquinolones resistance in *Pseudomonas aeruginosa***

Roghayeh Nouri, Alka Hasani, Hossein Samadi Kafil, [Mohammad Hossein Soroush Barhaghi](#), Reza Ghotaslou, Mohammad Ahangarzadeh Rezaee

[Poster No: icmb-01300061-P, Abstract Book: pp. 110, English]

5<sup>th</sup> Iranian Congress of Medical Bacteriology; 15-17 Aug, 2018, Medical University of Maragheh, Iran

- 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.  
[Iran J Parasitol, Supplementary Issue, Vol. 10, No. 1; May 2015, pp 57, English]  
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- 48. Incidence of Gram-negative bacilli in bacteraemia and their antimicrobial resistance patterns at the children's hospital**  
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Ahangarzadeh Rezaee M., Abdinia B., Abdoli Oskouie S., **Soroush M.H.**, Rasouli M.  
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- 47. The presentation of a new and applied method of biochemical tests in detecting bacteria on a smaller scale, less costly and faster than conventional laboratory (microtest)**  
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- 46. Prevalence and drug resistance of *Staphylococcus aureus* isolated from outpatients with urinary tract infections (UTIs) referred to the clinics of Tabriz University of Medical Sciences, Iran (2006-2014)**  
[Poster No: P-211, Abstract Book: pp. 272, English]  
**Soroush MH**, Ahangarzadeh Rezaee M, Hasani A, Rashedi J, Darghazi M.  
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- 45. Prevalence and drug resistance of Pseudomonads isolated from outpatients with urinary tract infections referred to the specialized clinics of Tabriz University of Medical Sciences, Iran (2006-2014)**  
[Poster No: P-210, Abstract Book: pp. 271, English]  
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- 38. Prevalence and antimicrobial susceptibility of enteropathogenic *E.coli* (EPEC) isolated from stool culture of children with diarrhea in Tabriz**  
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- 36. Seroprevalence of *Mycoplasma pneumoniae* serum antibodies, IgG and IgM, at Tabriz**  
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Sharifi S, Ghotaslou R, Akhi MT, **Soroush MH**.  
1<sup>st</sup> Iranian International Congress of Medical Bacteriology, 5-8 September, 2011. Tabriz, Iran



- 35. Prevalence and drug resistance of *Pseudomonas aeruginosa* isolated from outpatients with urinary tract infections referred to the specialized clinics of Tabriz University of Medical Sciences, Iran (2004-2011)**  
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- 33. Prevalence and drug resistance of enterococci isolated from outpatients with urinary tract infections referred to the specialized clinics of Tabriz University of Medical Sciences, Iran (2004-2011)**  
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- 29. Minimum inhibitory concentrations of 12 different antibiotics against MBL producing *Pseudomonas aeruginosa* by E-test method in northwest of Iran**  
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- 28. Contamination rate of raw milk distributed in Tabriz**  
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- 27. Protective role of probiotics and prebiotics in colon cancer**  
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4<sup>th</sup> International & 9<sup>th</sup> National Congress of Quality Improvement of Clinical Laboratories,  
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- 22. Evaluation of the prevalence and drug resistance of gram-positive cocci isolated from outpatients referred to the clinics of Tabriz University of Medical Sciences, Iran (2004-2008)**  
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**20. Detection of bla<sub>VIM</sub> and bla<sub>IMP</sub> type metallo-beta-lactamase genes in clinical isolates of *Pseudomonas aeruginosa* in north-west of Iran**

[Poster, Abstract Book: pp. 103, English]

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The third Iranian Congress of Clinical Microbiology, 6-8 October, 2009. Shiraz, Iran

**19. Detection of metallo-beta-lactamase producing *Pseudomonas aeruginosa* by phenotypic methods isolated in Orumieh-Iran**

[Poster, Abstract Book: pp. 27, English]

Nahaei MR, Yoosefi S, Farajnia S, Akhi MT, Gotaslou R, **Soroush MH**, Zareii Kar.

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**18. Prevalence and antimicrobial susceptibility of bacteria isolated from blood cultures in Tabriz Imam-Khomeini Hospital**

[Poster No: 88, Abstract Book: pp. 109, English & Persian]

Peymani A, Nahaei MR, **Soroush MH**, Hosseini A.

10<sup>th</sup> Iranian Congress of Microbiology, 21-23 April, 2009. Ilam, Iran

**17. Detection of metallo-beta-lactamase producing *Pseudomonas aeruginosa* by imipenem-EDTA combined disc method in Tabriz-Iran**

[Poster No: 55, Abstract Book: pp. 76, English & Persian]

Yousefi S, Nahaei MR, Farajnia S, Akhi MT, Gotaslou R, **Soroush MH**, Sharifi Y .

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**16. Evaluation of the prevalence and drug resistance of isolated bacteria from cerebrospinal fluid (CSF) samples of inpatients in Imam-Reza Hospital, Tabriz, Iran (2002-2007)**

[Poster No: Thu294, Abstract Book: pp. 175, English]

**Soroush MH**, Mahdavi A, Ahangar M, Hajizadeh M, Angooti G.

The second Iranian Congress of Clinical Microbiology, 7-9 October, 2008. Shiraz, Iran

**15. Immunogens of human sperm proteins recognized by high-resolution two-dimensional gel electrophoresis**

[Poster, Abstract Book: pp. 24, English]

Abdolalizadeh J, Majidi J, Mostafaie A, Babaloo Z, Ghasemzadeh A, **Soroush MH**, Taghizadeh.

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**14. Multi-drug resistant tuberculosis (MDR-TB)**

[Poster, Abstract Book: pp. 59, Persian]

Moaddab SR, **Soroush MH**, Salek Shahabi S.

2<sup>nd</sup> Congress of Laboratory and Clinic, 12-15 May, 2008. Tehran, Iran

**13. Antibiotic resistance in *Pseudomonas areuginosa* and *Acinetobacter baumannii* strains isolated from ICUs in Tabriz hospitals**

[Poster No: 3-40, Abstract Book: pp. 356, Persian & English]

Haieddeh Mobayain, Mohamad Reza Nahaei, Nour Amir Mozafari, **Mohammad Hossein Soroush Barhagi**, Najieh Baygoli

9<sup>th</sup> Iranian Congress of Microbiology, 4-6 March, 2008. Kerman, Iran

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

[Poster No: 2-82, Abstract Book: pp. 241, Persian & English]

**Mohammad hossein Soroush**, Maryam Hajizadeh, Simin Sharifi, Vahideh Valizadeh

9<sup>th</sup> Iranian Congress of Microbiology, 4-6 March, 2008. Kerman, Iran

**11. Survey of antimicrobial resistance of uropathogenic *E.coli* isolated from outpatient's urine samples in Tabriz, Iran (I 380- 1385)**

[Poster No: 3-29, Abstract Book: pp. 345, Persian & English]

**Soroush MH**, Moaddab SR, Salek Shahabi S, Ahangar Oskuii M.

9<sup>th</sup> Iranian Congress of Microbiology, 4-6 March, 2008. Kerman, Iran

**10. Antibiotic resistance of *E.coli* strains isolated from hospitalized inpatients in Imam-Khomeini Hospital of Tabriz, Iran**

[Poster, Abstract Book: pp. 233, Persian & English]

**Soroush MH**, Moaddab SR, Shahabi S, Hajizadeh M.

1<sup>st</sup> International and 6<sup>th</sup> National Congress of Quality Improvement In Clinical Laboratories, 13-16 February, 2008, Tehran, Iran

**9. Antibiotic resistance pattern of *E.coli* strains isolated from urinary tract infections in Tabriz, Iran**

[Poster No: Th252, Abstract Book: pp. 95-96, English]

**Soroush MH**, Salek Shahabi S, Ahangar Oskuii M, Moaddab SR.

First Iranian Congress of Clinical Microbiology, 8-10 May, 2007. Shiraz, Iran

**8. Is brush cytology trustable method for detection of dog s Helicobacter Like Organisms?**

[Poster No: 74, English]

Shabestari Asl A, Bahadori A, **Soroush MH**, Eftekhar Sadat AT.

31<sup>st</sup> World Small Animal Veterinary Congress (World Congress 2006 WSAWA),

October 11-14, 2006. Prague, Czech Republic

**7. Prevalence of gastric Helicobacter like Organisms (HLO) in Iranian stray dogs with brush cytology (First report)**

[Poster No: 73, English]

Shabestari Asl A, Bahadori A, **Soroush MH**, Eftekhar Sadat AT.

31<sup>st</sup> World Small Animal Veterinary Congress (World Congress 2006 WSAWA), October 11-14, 2006. Prague, Czech Republic

**6. Prevalence study of *Yersinia enterocolitica* in red meat, Tabriz**

[Poster, Abstract Book: pp. 244--245, Persian]

Farshchian MR, Mahdavi R, **Soroush MH**, Shahnazi R, Jabbari M  
9<sup>th</sup> Iranian Nutrition Congress, 4-7 September, 2006. Tabriz, Iran

**5. Bio-informatic polishing of molecular information**

[Oral presentation No: 12, Abstract Book: pp. 22-23, Persian]

Kazemi A, Nahaei MR, Rafi A, Akhi MT, **Soroush MH**, Sadeghi J.

First Congress of Molecular Microbiology, 25 May, 2005. Islamic Azad University of Shahriyar, Quds, Iran

**4. A rare report of nocardiosis from Tabriz, IRAN**

[Poster No: 100, English]

**Soroush MH**, Azimi H.

XXV National Congress of Indian Association of Medical Microbiologists, Department of Microbiology , All India Institute of Medical Sciences New Delhi 22-25 November, 2001. New Delhi, India

**3. Survey of common bacteria causing urinary tract infections and antibiotic resistance pattern in patients referring to the central laboratory of Tabriz**

[Poster, Abstract Book: pp. 38, Persian]

Abedi M, Farajnia S, Rahimi AK, **Soroush MH**, Hajiloo GA, Zyaei M, Rahsaz N, Shakeri N.

10<sup>th</sup> International Congress of Geographic Medicine of Shiraz University of Medical Sciences & 6<sup>th</sup> Iranian Congress of Infectious and Tropical Diseases, 10-13 November, 1997. Shiraz, Iran

**2. Comparison of effectiveness of direct microscopic examination and culture method in detection of tuberculosis**

[Poster, Abstract Book: pp. 48, Persian]

Abedi M, Hajiloo GA, **Soroush MH**, Zyaei M, Amini S.

23<sup>rd</sup> Middle East Regional Congress of the International Union against Tuberculosis and Lung Disease (I.U.A.T.L.D) Jointly with 13<sup>th</sup> Annual National Tuberculosis Conference, 21-24 April, 1997. Tehran, IRAN

**1. Evaluation of pulmonary tuberculosis and process of bacteriologic treatment interpretation in patients with pulmonary tuberculosis in Tabriz (1995)**

[Poster, Abstract Book: pp. Persian]

Abedi M, Zyaei M, **Soroush MH**, Hajiloo GA, Rafi A, Attari MR, Amini S, Habibzadeh D.

12<sup>th</sup> Congress of Tuberculosis, 12-14 October, 1996. Hamadan, Iran

## Research Projects:

**65. To study of the presence of surface proteins LPxTG and genomic island arginine catabolic mobile element (ACME) and their effect on antibiotic resistance and biofilm production in *Staphylococcus epidermidis* clinical isolates ,Tabriz ,1399.**

Approved by: Faculty of Medicine and Infectious Diseases and Tropical Medicine Research Center, Tabriz University of Medical Sciences (2020)

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

Approved by: Faculty of Medicine, Tabriz University of Medical Sciences (2020)

**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)**

Approved by: Faculty of Medicine and Applied Pharmaceutical Research Center, Tabriz University of Medical Sciences (2019)

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

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2018)

**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*)**

Approved by: Faculty of Medicine and Immunology Research Center of Tabriz University of Medical Sciences (2018)

**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**

Approved by: Student Research Committee, Tabriz University of Medical Sciences (2018)

**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**

Approved by: Faculty of Medicine and Applied Pharmaceutical Research Center, Tabriz University of Medical Sciences (2018)

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

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

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

Approved by: Faculty of Dentistry and Research Center for Gum (Periodontal) Diseases, Tabriz University of Medical Sciences (2018)

**54. Frequency of EBNA-1 and BARP-1 Genese EBV in gastiric 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. Comparison of antibacterial effect of two different types of self-adhesive resin cement on *Enterococcus 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-, and 10- 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 $\beta$ 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  $\beta$ -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  $\beta$ -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. Comparison 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 carbapenem 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 Oskoe

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 Haghdoost

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 ES $\beta$ L 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  $\beta$ -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 gonorrhoea* 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*, *df*r and integron genes among *Enterobacteriaceae* isolate from urinary tract infections in Medical Training and Therapeutic Hosphthal 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*  $\beta$ -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 SCC*mec* 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  $\beta$ -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 fluoroquinolones 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 *Enterococcus 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 H<sub>2</sub>O<sub>2</sub> 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 & 6<sup>th</sup> 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 11<sup>th</sup> 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)

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