

Curriculum Vitae

Name: Mohammed taghi

Family name: Akhi

Date & place of birth: 1330 (1951), Tabriz, Iran

Identity card number: 553

National number: 137-876809-4

Medical discipline number: 1295-1

Martial status: married

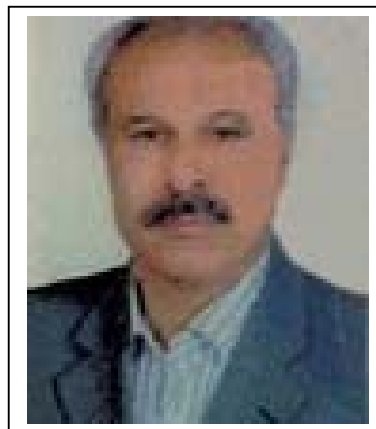
Field: Medical microbiology

Home address: 11, hasan gharib, 17 shahrivar street, Tabriz,I.R.Iran. Tel: 0098-411-5567332

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Qualifications:

1. B.Sc. in medical laboratory sciences. Tabriz university, Iran, 1973
2. MSc. in medical microbiology, Dundee university, Dundee, UK, 1978
3. Ph.D. in medical microbiology Heriot- Watt university, Edinburgh, UK, 1981

Professional employment:

1. I worked as lecturer of microbiology in different universities from 1981 and later my university grade changed to assistant professor. Since June 2009, I have been working as associate professor in microbiology department of Tabriz medicine faculty.

Memberships:

- 1- Membership of Iranian microbiology society**
- 2- Membership of Iranian bacteriology society**

Research interests:

Papers:

- 1- Akhi MT, Brown CM, Old DC. L-rhamnose utilization in Salmonella typhimurium. J.Appl. Bact. 1991; 56: 296-301.**
- 2- Akhi MT, Razi A. Study of erythrasma and the pattern of antibiotic resistance in Corynebacterium minutissimum. Med. J.Tabriz university of Medical Sciences 1996; 28: 13-25.**
- 3- Akhi MT, Ahmadian A. Study of Vibrio cholerae isolated in Tabriz (7th Tir Medical Center, Summer 1995). Med. J.Tabriz university of Medical Sciences 1997; 34: 1-9.**
- 4- Hajiloo GH A. Akhi MT. Study of prevalent aerobic bacteria causing septicemia in hospitalized patients of infectious disease dept. of 7th Tir Medical Center. Med. J.Tabriz university of Medical Sciences& Health Services 1997; 35: 29-36.**
- 5- Akhi MT, Nahaie MR. Study of aerobic bacteria isolated from skin ,soft tissue and wound infections in 7th Tir hospital of Tabriz (1995-1996). Med. J.Tabriz university of Medical Sciences& Health Services1999; 39: 1-7.**
- 6- Akhi MT, Ahmadian A, Kazem N, Ramadanzadeh R. Study of aerobic bacteria isolated from external otitis and pattern of sensitivity to different antibiotics including third generation cefalosprins and new flouroquinolones. Med. J.Tabriz university of Medical Sciences& Health Services2001; 51: 5-9.**
- 7- Akhi MT, Ahmadian A, Kazem N, Ramadanzadeh R.Role of anaerobic bacteria and predisposing factors in external otitis. Med. J.Tabriz university of Medical Sciences& Health Services 2002; 52: 5-10.**

- 8- Akhi MT, Ansarian M. Bacteriology of urinary tract infections in mentally retarded individuals. Med. J. Tabriz university of Medical Sciences & Health Services 2004.
- 9- Akhi MT, Hasanzadah A. Bacteriology and sensitivity pattern of isolated strains from burn infections. Med. J. Tabriz university of Medical Sciences & Health Services 2006.
- 10- Beheshti F, Rahmati A, Akhi MT. Comparison of minimum inhibitory concentration values for common antibiotics against *Escherichia coli* isolated from urinary tract infections in outpatients and inpatients. Med. J. Tabriz university of Medical Sciences & Health Services 2006.
- 11- Yousefi S, Farajnia S, Nahaei MR, Akhi MT, Ghotaslou R, Soroush MR, Naghili B and Jazani NH. Detection of metallo- β -lactamase-encoding genes among clinical isolates of *Pseudomonas aeruginosa* in northwest of Iran. Diagnostic Microbiology and Infectious Disease. Volume 68, Issue 3, November 2010, Pages 322-325
- 12- Yousefi S, Nahaei MR, Farajnia S, Ghojzadeh M, Akhi MT, Sharifi Y, Milani M, Ghotaslou R. Class 1 integron and Imipenem Resistance in Clinical Isolates of *Pseudomonas aeruginosa*: Prevalence and Antibiotic Susceptibility. *Iranian Journal of microbiology Volume 2 Number 3 (September 2010) 113-119*
- 13- Yousefi S, Nahaei MR, Farajnia S, Akhi MT, Ghotaslou R, Lotfipour F, Soroush M H. Metallo-Beta-Lactamase-Producing *Pseudomonas aeruginosa* in Two Iranian Teaching Hospitals, Their Antimicrobial Susceptibility and Serotypes. *Journal of Chemotherapy 2011; 23: 114-116.*
- 14- Nasrollah S, Akhi MT, Farajnia S, Nahaei MR, Ahangarzadeh Rezaei M. PER1-type extended spectrum B-lactamase producing *Acinetobacter baumannii*. *Pak J Med Sci 2010; 26(4): 769-772.*
- 15- Nikbakht M, Nahaei MR, Akhi MT, Asgharzadeh M, Nikvash S. Molecular fingerprinting of methicillin-resistant *Staphylococcus aureus*. *Journal of Hospital Infection 2008; 69: 46-55.*
- 16- Akhi MT, Firoozeh F, Oskouei M. Study of enterococcal susceptibility patterns isolated from clinical specimens in Tabriz. *Pak J Med Sci. 2009; 25(2): 211-216.*
- 17- Firoozeh F, Akhi MT, Oskouei M. Antibiotic Resistance of Enterococci Isolated from Clinical Specimens. Med. J. Tabriz university of Medical Sciences & Health Services 2000.
- 18- Soltan dalal MM, Akhi MT, Parto Azar A. Study of *Yersinia enterocolitica* in acute diarrhea of children under fourteen years old. Med. J. Tabriz university of Medical Sciences & Health Services 2008.

- 19-Mahdavi A, Nahaei MR, Akhi MT, Nahaei M. Mohammad Akbari Dibavar , Antibiotic Resistance Pattern against Fluoroquinolones among *Escherichia coli* Isolated from ICU and Out- patient Clinic Admitted Patients with Urinary Tract Infection. Med. J.Tabriz university of Medical Sciences& Health Services 2009.
- 20-Akhi MT, Ebrahimi E, The Role of *Ureaplasma urealyticum* in Male Non-gonococcal Urethritis. Med. J.Tabriz university of Medical Sciences& Health Services 2009.
- 21-Zamanlou S, Farajnia S, Moadab R, Akhi M.T. Rapid diagnosis of Isoniazid resistant *Mycobacterium Tuberculosis*, isolated from East Azerbaijanian patients by PCR-RFLP method. Pharmaceutical Sciences, 2009, Vol.15, No3, Page 263- 268.
- 22-Akhi MT, Ebrahimi E, Amjadi M. The role of *Ureaplasma urealyticum* in male non- gonococcal urethritis in Tabriz. Rawal Medical Journal Volume 34, Number 1, Jan - June 2009.
- 23-Akhi MT, Nahaei MR, Nikbakht M and Asgharzadeh M. Molecular Fingerprinting of Methicillin-Resistant *Staphylococcus aureus* Isolates in Hospital Staff and Patients. Research Journal of Microbiology Volume 3, Number 6, 436-446, 2008.
- 24-Nahaei MR, Sharifi Y, Akhi MT, Asgharzadeh M, Nahaei M and Ebrahim Fatahi E. *Helicobacter pylori cagA* and *vacA* Genotypes and their Relationships to Peptic Ulcer Disease and Non-Ulcer Dyspepsia. Research Journal of Microbiology Volume 3, Number 5, 375-385, 2008.
- 25-Nikbakht M, , Nahaei MR, Akhi MT, Asgharzadeh M and Nikvash S. Comparison of different methods in detection of MRSA strain in Tabriz, Iran. Int. Med. J. 2008.
- 26-Mohammad Asgharzadeh, Saber Yousefee, Hossein Samadi Kafil, Mohammad Reza Nahaei, Khalil Ansarin and Mohammad Taghi Akhi. Comparing Transmission of *Mycobacterium tuberculosis* in East Azarbaijan and West Azarbaijan Provinces of Iran by Using IS6110-RFLP Method. Biotechnology Volume 6, Number 2, 273-277, 2007.
- 27-Mohammad Asgharzadeh, Saber Yousefee, Mohammad Reza Nahaei, Mohammad Taghi Akhi, Khalil Ansarian and Hossein Samadi Kafil IS6110 Fingerprinting of *Mycobacterium tuberculosis* Strains Isolated from Northwest of Iran. Research Journal of Microbiology Volume 2, Number 12, 940-946, 2007
- 28-Akhi MT, Bohlooli R, Hajiloo GhA. Isolation of Vancomycin Resistant *Staphylococcus aureus* from Postoperative Infections. Med. J.Tabriz university of Medical Sciences& Health Services 2006.

29-Nikbakht M, Nahaei MR, Akhi MT, Asgharzadeh M, Nikvash S. Nasal Carriage Rate of *Staphylococcus aureus* in Hospital Personnel and Inpatients and Antibiotic Resistance Pattern of Isolated Strains from Nasal and Clinical Specimens in Tabriz. *Med. J. Tabriz university of Medical Sciences & Health Services* 2007.

30-Khalili Kalavan Y, Akhi MT, Ghotaslou R, Aghazadeh M, Naghili B, pornur M. Antibiotic Resistance and VEB-1 Type Extended-Spectrum Beta-Lactamaes Prevalence in *Pseudomonas aeruginosa* Isolated from ICUs Patients. *Med. J. Tabriz university of Medical Sciences & Health Services*.

31-Akhi MT, Pirzade T, Aghazade M, Bafande Y, Gojazade M, Mojdebar M, Pourasghari M. Antimicrobial Susceptibility of *Clostridium difficile* isolated from medical staff of Teaching and Treatment Center of Emam Reza hospital in Tabriz. *Med. J. Tabriz university of Medical Sciences & Health Services*.

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Talk in retraining schedules:

- 1- Infections of the skin, joints, bones and burns. The third Iranian congress of biochemistry & Laboratory Sciences, Tabriz , 30th Sep. – 3rd Oct, 1995.
- 2- Applications of new techniques in diagnosis of anaerobic bacteria. In: Retraining schedules for Laboratory Sciences Specialists and Professional doctors, Tabriz, 1999.
- 3- Applications of new techniques in diagnosis of anaerobic bacteria. In: Bacteriology retraining conference, Tabriz, Iran, 2002.
- 4- Applications of new techniques in brucella diagnosis. In: Bacteriology retraining conference, Tabriz, Iran, 2002.
- 5- Antibiotic resistance in anaerobic bacteria. In first international and 12th congress of microbiology, Kermanshah, Iran 23- 26 May 2011.
- 6-

Research Projects:

1. DNA fingerprinting of *C. difficile* isolated from asymptomatic carrier, symptomatic patients and different wards environment of teaching and training center of Emam Reza.

2. Prevalence of PER-1-type extended-spectrum beta-lactamase in *Acinetobacter baumannii* isolated from hospitalized patients in Imam Reza and Sina teaching and treatment centers of Tabriz University Of Medical Sciences
3. Frequency surveillance of Extended-spectrum β -Lactamases PER1 & VEB1 of *Pseudomonas aeruginosa* isolated from hospitalized patients in intensive care unit of Imam Reza and Shahid Madani Teaching and Treatment Center of Tabriz University of Medical Sciences.
4. Frequency surveillance of Extended-spectrum β -Lactamases VEB1 of *Pseudomonas aeruginosa* isolated from hospitalized patients in intensive care unit of Imam Reza and Shahid Madani Teaching and Treatment Center of Tabriz University of Medical Sciences.
5. Detection and determination of antibiotic susceptibility patterns of enterotoxigenic *B. fragilis* isolated from diarrheic and non-diarrheic feces of inpatients, out patients and normal individuals in Center of education and treatment of Emam Reza.
6. Study of resistant pattern of *C.difficile* isolated from hospitalized patients and staff of teaching and treatment center of Emam Reza hospital in Tabriz

Presentation in conferences:

- 1- Study of *Vibrio cholerae* isolated in Tabriz. In: Abstracts book of the 2nd congress of the Microbiology, Yazd, Iran 1997; p: 5.
- 2- Study of aerobic and anaerobic bacteria from infected otitis media. In; Abstracts book of the third microbiology congress, Hamadan, Iran 2000; p: 121.
- 3- Alkali method for rapid recovery of *Yersinia enterocolitica* from feces. In: Abstracts book of 4th congress of microbiology, Tehran, Iran 2001; p: 9.
- 4- Study of chloroxylenol compound effects on microflora of skin and infectious wards of 7th Tir training & treatment center. In: Abstracts book of the 1st Seminar on the role of Microbiology Lab. In control and prevention of hospital infections, Ghazvin. Iran 2002; p: 30.
- 5- L-rhamnose utilization in *S.typhimurium*. In: Abstract book of the fifth Iranian congress of Microbiology, Ahwaz, Iran , 2003;p:5.

- 6- Erythrasma and resistant pattern of *C. minutissimum*. In: Abstract book of the 12th Iranian congress on infectious disease and tropical medicine. Tehran, Iran 2004; p: 3.
- 7- The role of anaerobic bacteria and some disposing factors in external otitis. In: Abstracts book of 7th congress of microbiology, Semnan, Iran 2004; p:119.
- 8- Evaluation of antibiotic resistance in *Pseudomonas aeruginosa* isolated from trachea of patients hospitalized in Imam Khomei hospital between 2002-2003. In: Abstracts book of 7th congress of microbiology, Semnan, Iran 2004; p:140.
- 9- Molecular epidemiology of *Mycobacterium tuberculosis* strains isolated in East and west Azerbaijan. In: Abstracts book of 8th congress of microbiology, Isfahan, Iran 23-25 May 2006; p: 128.
- 10-Comparison of minimum inhibitory concentration of In: abstracts book of 8th congress of microbiology, Isfahan, Iran 23-5 May 2006; p: 81.
- 11-Comparison of different methods (disk diffusion, oxacillin agar and PCR) in detection of methicillin resistant *Staphylococcus aureus* (MRSA) strains in Tabriz, Iran. In: Abstracts book of 8th congress of microbiology, Isfahan, Iran 23- 25 May 2006; p: 88.
- 12-..... In: Abstracts book of 2nd international congress on pulmonary disease, intensive care and tuberculosis, Tehran ,Iran 15-18, 2005; p: 85.
- 13- Diagnostic of *Mycobacterium tuberculosis* using PCR procedure. In: Abstracts book of 2nd international congress on pulmonary disease, intensive care and tuberculosis, Tehran ,Iran 15-18, 2005; p: 109.
- 14-Yousefi S, Farajnia S, Nahaei M, Akhi MT, Soroush M. PCR-ribotyping and Serotyping of Metallo-beta-Lactamases Producing *Pseudomonas aeruginosa* Isolates in Northwest of Iran. In: Abstracts book of first international and 12th congress of microbiology, Kermanshah, Iran 23- 26 May 2011.
- 15- Khalili kalavan Y, Akhi MT, Ghotaslou R. Frequency surveillance of extended-spectrum β -lactamases (ESBLs) PER1& VEB1 of *Pseudomonas aeruginosa* isolated from hospitalized patients in intensive care units of Imam Reza and Shahid Madani teaching and Treatment Centers of Tabriz University of Medical Sciences. In: Abstracts book of first international and 12th congress of microbiology, Kermanshah, Iran 23- 26 May 2011.

- 16- Nikbakht M, Nahaie M, Akhi MT, Asgharsade M, Nikbakht S. Identification of MRSA Strains using three phenotypic as well as PCR. Methods, and determination of isolated strains diversity by RAPD-PCR and Antibiotic Profiling in Tabriz Hospitals. In: Abstracts book of first international and 12th congress of microbiology, Kermanshah, Iran 23- 26 May, 2011.
- 17- Sohrabi N, Akhi MT, Farajnia S, Nahaei MR, Ahangarzadeh Rezaee M, Peymani A, Amiri Z. Prevalence of β -lactamases in *Acinetobacter baumannii* isolates in a hospital in Tabriz. In: Abstracts book of first international and 12th congress of microbiology, Kermanshah, Iran 23- 26 May 2011.
- 18- Akhi MT, Farajnia S, Sohrabi N. Prevalence of PER1- type ESBL in *Acinetobacter baumannii* isolates in Imam Reza hospital- Tabriz. In: Abstracts book of 4th Iranian congress of clinical microbiology, Isfahan, Iran, 9-11 November 2010.
- 19-

Thesis:

- 1- Ghardash khani o. Study of gastroenteritis due to *Shigella* organisms and determination of their sensitivity pattern to ampicillin , cotrimoxazol, nalidixic acid and tetracycline. The thesis submitted for the degree of internists in infectious disease. Tabriz university of Medical Sciences. 1997.
- 2- Bahari HA. Study of aerobic bacteria isolated from respiratory tract infections. The thesis submitted for the degree of internists in infectious disease. Tabriz university of medical sciences 1997.
- 3- Babazadeh L. Epidemiology of *Vibrio cholera* in Azarbyjan. The thesis submitted for the degree of internists in infectious disease. Tabriz university of medical sciences 1997.
- 4- Ramadanzadah R. Study of aerobic and anaerobic bacteria isolated from infected otitis media. The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, 1998.
- 5- Vesughi B. Study of micro- organisms isolated from UTI of diabetics. The thesis submitted for Doctorate of pharmacy. Tabriz university of medical sciences, 1998.
- 6- Babaeian S. Comparison effects study of B.B.L. and other company made antibiotic discs on the standard bacteria strains and isolates of

urine cultures. The thesis submitted for the Doctorate of pharmacy. Tabriz university of medical sciences, 1998.

- 7- Hasanzadah A. Study of bacteria and sensitivity pattern of isolates from burn wound infections. The thesis submitted for the Doctorate of pharmacy. Tabriz university of medical sciences, 1998.
- 8- Alipour G. Aerobic bacteriology of oral cavity. The thesis submitted for Doctorate of dentistry. Tabriz university of medical sciences, 1999.
- 9- Bokaeizadah A. The role of actinomyces in oral infections. The thesis submitted for Doctorate of dentistry. Tabriz university of medical sciences, 2000.
- 10- Ansarian M. Bacteriology of UTI in mentally retarded individuals. The thesis submitted for the Doctorate of pharmacy. Tabriz university of medical sciences, 2000.
- 11- Bahlooli R. Bacteriology of post operative wound infections. The thesis submitted for the Doctorate of pharmacy. Tabriz university of medical sciences, 2000
- 12- Parto azar A. Study of *Y. enterocolitica* in acute diarrhea of children under fourteen years old. The thesis submitted for the degree of Msc. In medical microbiology , Tabriz university of medical sciences, 2000.
- 13- Pouralibaba F. Bacteriology of water supply source in dentistry unites. The thesis submitted for Doctrate of dentistry. Tabriz university of medical sciences, 2001.
- 14- Firoze F. Detection of vancomycin resistant enterococci in different clinical samples. The thesis submitted for the degree of Msc. In medical microbiology , Tabriz university of medical sciences, 2001.
- 15- Hashemibarogi MM. Detection of oxacillin and vancomycin resistant Staphylococci in different clinical samples. The thesis submitted for the degree of internists in infectious disease. Tabriz university of medical sciences, 2001.
- 16- Gahanshahi S. Incidence of SBP after esophageal variceal sclerotherapy. The thesis submitted for the degree of internists. Tabriz university of medical sciences, 2001.
- 17- Ebrahimi EI. The role of *Ureaplasma urealyticum* in male's nongonococcal urethritis. The thesis submitted for the degree of Msc. In medical microbiology , Tabriz university of medical sciences, 2004.
- 18- Beheshti F. Comparison of minimum inhibitory concentration values for common antibiotics against *Escherichia coli* isolated from urinary

tract infections in outpatients and nosocomial inpatients. The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, 2005.

- 19- Yousefi S. Polymorphism studies in strains of Mycobacterium tuberculosis isolated from patients in east and west Azarbyjan by RFLP- hybridization. The thesis submitted for the degree of Msc. In medical microbiology , Tabriz university of medical sciences, 2006.
- 20- Nikbakht M. Molecular fingerprinting of methicillin – resistant Staphylococcus aureus strains isolated from patients and staff of Imam Khomeini and pediatric hospitals in Tabriz. The thesis submitted for the degree of Msc. In medical microbiology , Tabriz university of medical sciences, 2006.
- 21- Mortaza milani. Evaluation of clarithromycin resistance in H. pylori by phenotypic.... The thesis submitted for the degree of Ph.D. In medical bacteriology, Tabriz university of medical sciences, 2010.
- 22- Tahereh Pirzadeh. DNA fingerprinting of C. difficile isolated from asymptomatic carrier, symptomatic patients and different wards.... The thesis submitted for the degree of Ph.D. In medical bacteriology, Tabriz university of medical sciences, 2009.
- 23- Nasrolah Sohrabi. Prevalence of PER-1-type extended-spectrum beta-lactamase and detection of carbapenem-hydrolysing OXA-types beta-lactamase in *Acinetobacter baumannii* isolated from hospitalized patients in Imam Reza and Sina teaching and treatment centers of Tabriz University Of Medical Sciences. The thesis submitted for the degree of Ph.D. In medical bacteriology, Tabriz university of medical sciences, 2008.
- 24- Younes Khalili Kalavan. Frequency surveillance of Extended-spectrum β -Lactamases PER1 & VEB1 of *Pseudomonas aeruginosa* isolated from hospitalized patients in intensive care unit of Imam Reza and Shahid Madani Teaching and Treatment Center of Tabriz University of Medical Sciences. The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, 2008.
- 25- Saber yousefi. Study of metallo-B-lactamases production and antibiotic resistance in clinical isolates of *Pseudomonas aeruginosa*... The thesis submitted for the degree of Ph.D. In medical bacteriology, Tabriz university of medical sciences, 2008.
- 26- Farnaz Shamakani. Survey of Extended-spectrum B-lactamases on *Escherichia coli* isolated from different clinical specimens of education and treatment center of Tabriz and Khoy-2010. The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, International medicine faculty, 2010.

- 27- Seimin Sharifi. **Detection of Pulmonary Infections due to *Mycoplasma pneumoniae* by Culture , ELISA and PCR method at Tabriz Medical University.** The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, International medicine faculty, 2009.
- 28- Siamak Vazifeh khah. **Comparison of disinfecting characters of different concentration of hypochlorite sodium, chlorhexidin,...** The thesis submitted for Doctorate of dentistry. Tabriz university of medical sciences, 2009.
- 29- Sajad Zamanlou. **Comparison of PCR- RFLP with proportional method in determining of antimicrobial resistance of M. tuberculosis strains to Isoniazid.** The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, International medicine faculty, 2007.
- 30- Armita Mahdavi. **Antibiotic Resistance Pattern against Fluoroquinolones among Escherichia coli Isolated from ICU and Out-patient Clinic Admitted Patients with Urinary Tract Infection.** The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, 2006.
- 31- Yaghuob Sharifi. ***Helicobacter pylori cagA* and *vacA* Genotypes and their Relationships to Peptic Ulcer Disease and Non-Ulcer Dyspepsia.** The thesis submitted for the degree of Msc. In medical microbiology, Tabriz university of medical sciences, International medicine faculty, 2006.

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Executive activities:

- 1- Director of clinical microbiology laboratory in 7th Tir hospital 1995.
- 2- Member of clinical laboratory equipment committee 1997.
- 3- Director of clinical microbiology laboratory in Cina hospital 1997
- 4- Director of clinical microbiology laboratory in Emam hospital 2000.
- 5- Research vice dean of microbiology department 2001.