

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

CURRICULUM VITAE



Name: Ramin

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Associate Professor of Microbiology

Data of birth: 11th of July 1970

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Address: Department of Microbiology, School of Medicine, Daneshgah Blv,
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Education

B.S. in microbiology, Isfahan University, 1992

MPSH in medical bacteriology, Tehran University of medical sciences, 1996

PhD medical microbiology, Tehran University of medical sciences, 2003

Designations:

- 1- Deputy Head of the Department of Microbiology: 2007- 2010
- 2- Member of research council of the school of medicine: 2007-Now
- 3- Member of standardization of general practitioner committee of the school of medicine: 2007-now

- 4- Responsible for establishing the MS degree of Medical Microbiology in the KUMS
- 5- Executive chairman of Conference of avian influenza
- 6- Chair of the Scientific Committee of the First International and 12th Iranian Congress of Microbiology
- 7- Head of the Development of Medical Education Office of the School of Medicine, KUMS, 2012
- 8- Head of the Microbiology Department.2012
- 9- Member of research council of the KUMS: 2012
- 10- Member of 11th, 12th, 13th, 14th, 15th and 16th Advisory Council of Congress of Microbiology
- 11- Member of Leader board of the Iranian Society for Microbiology

Research experiences:

- Study of the prevalence of streptococcus bovis in patients who had been subjected to colonoscopy. MPSH thesis. Director: Dr. Badami, N.
- Study comparison of Pseudomonas aeruginosa strains isolated from burn infections with classic methods, plasmid profiling and isoenzyme analysis: PhD thesis. Director: Badami N, Shahcheraghi, F

Teaching experiences:

- Genetic of microorganisms: Ms Students of molecular biology and MSPH students of Medical Microbiology
 - Host parasite interactions: MSPH students of medical microbiology
 - Introduction to biotechnology: MSPH Students of Medical microbiology
 - Effect of chemical and physical agents on Bacteria: MSPH students of Medical Microbiology
- Medical microbiology: pharmacy & medical students

- Pharmaceutical Biotechnology: Students of Pharmacy
- Medical Bacteriology: MSPH of Medical Microbiology
- Molecular and Cellular Biology of Prokaryotes and Eukaryotes, MSPH students of Medical Microbiology
- Bacterial Genetics: MSPH of Medical Microbiology

Awards:

- Distinguished University teacher – Kermanshah University of Medical Sciences, 2013
- Distinguished University researcher – Kermanshah University of Medical Sciences, 2013

Original publications:

- 1- Shahcheraghi F, Feizabadi MM, Yamin V, **Abiri R**, Abedian Z. Serover Determation, drug resistance pattern and plasmid profiles of *pseudomonas aeruginosa* isolated from burn patients at two hospitals of Tehran (Iran). *Burns* 2003. 29: 547-551
- 2- **Abiri R***. Badami N, shahcheraghi, F. Feizabadi, M, M, Hoseini M: Determination of resistance profile and serotypes of *pseudomonas aeruginosa* isolated from burn infections. *J. Isfahan Med School*. 2004. 73. 4: 1-4
- 3- Massah AR, Adibi H, Khodarahmi R, **Abiri R**, Majnooni MB, Shahidi S, Asadi B, Mehrabi M, Zolfigol MA. Synthesis, in vitro antibacterial and carbonic anhydrase II inhibitory activities of N-acylsulfonamides using silica sulfuric acid as an efficient catalyst under both solvent-free and heterogeneous conditions. *Bioorg Med Chem*.2008. 15; 16(10):5465-72
- 4- Majnooni M.B, **Abiri R***, Malek Khattabi P, Adibi H. Study of Antimicrobial Effects of *Trigonella Foenum* hydro-alcoholic Extract on Different Bacterial Strains. (Text in Persian) *Medical Laboratory Journal* 2009;3(1): 31-35
- 5- Ghadiri K, Ahmadi P, **Abiri R**, Saidzade SA, Babaei H, Salehi AA,

- Vazirian SH. The MIC Study of Antibiotics Used in the Treatment of Children with Urinary Tract Infections caused by *E. coli* using E-test and its Comparison with Disk Diffusion. (Text in Persian) *Journal of Zanjan University of Medical Sciences & Health Services* 2009;17(67): 89-98
- 6- Ahmadi F, Sadeghi S, Modarresi M, **Abiri R**, Mikaeli A. Chemical composition, in vitro anti-microbial, antifungal and antioxidant activities of the essential oil and methanolic extract of *Hymenocrater longiflorus* Benth. of Iran. *Food Chem Toxicol.* 2010 May; 48(5):1137-44. Epub 2010 Feb 2
 - 7- Adibi H. Khodaei M M. Pakravan P. **Abiri R**: Synthesis, characterization and in vitro antimicrobial evaluation of hydrazone and Bishydrazone derivatives of Istin. *Pharmaceutical Chemistry Journal.* 2010 Vol. 44, No. 4, 219-227
 - 8- Adibi H; Massah A R; Majnooni M B; Shahidi S; Afshar M; **Abiri R**; NaghashbH: Synthesis, Characterization, and Antimicrobial Evaluation of Sulfonamides Containing N-Acyl Moieties Catalyzed by Bismuth(III) Salts Under Both Solvent and Solvent-Free Conditions. *Synthetic Communications*, 2010. 40: 18, 2753 — 2766
 - 9- Adibi H, Rashidi A, Khodaei MM, Alizadeh A, Majnooni MB, Pakravan N, **Abiri R**, Nematollahi D: Catecholthioether Derivatives: Preliminary Study of *in-Vitro* Antimicrobial and Antioxidant Activities. *Chem. Pharm. Bull.* 2011. 59(9) 1149—1152 (2011)
 - 10- Majnooni MB, **Abiri R***, Afnanzade NS, Malek khatabi P: Study of antibacterial effects of hydri-alcoholic extract of 8 medicinal herbs against Vancomycin Resistant *Staphylococcus aureus*. (Text in Persian) *J. of Medicinal Plants.* 2012. 11(Sup 8) 93-103
 - 11- Eradati S, **Abiri R***, Zandie N, Rezaei M, Adabagher SH Beta Lactamases and Extended Spectrum Beta Lactamases Producing *Klebsiella pneumonia* in Kermanshah (Text in Persian). *Iranian Journal of Infectious Diseases* 2012 57 47-53
 - 12- Modaressi M, Shamsavari R, Ahmadi F, Rahimi-Nasirabadi M, **Abiri R**. Mikaili A. The evaluation of antibacterial, antifungal and antioxidant activity of methanolic extract of *mindium laevigatum* (vent.) rech. F., from

central part of Iran. Jundishapur J Natural Pharmaceutical Products 2013.8 (1), 34

- 13- Sepahi V, Karami Matin B, Memar Eftekhary L, Rezaei M, Sabour B, Sadeghi E, Gholamine B, **Abiri R**. Factors Affecting Teachers' Evaluation from the Viewpoint of the Students' at Kermanshah University of Medical Sciences [Educ Res Med Sci 2013; 2(2)]
- 14- Ahmadi, F., Saberhari, M., **Abiri R.**, Motlagh, H.M., Saberhari, H. In vitro evaluation of Zn-norfloxacin complex as a potent cytotoxic and antibacterial agent, proposed model for DNA binding *Applied Biochemistry and Biotechnology* (2013). 170 (4), 988-1009
- 15- Mohajeri, P, Farahani, A, Feizabadi M.M. Ketabi, H. **Abiri, R**. Najafi F. Antimicrobial susceptibility profiling and genomic diversity of *Acinetobacter baumannii* isolates: A study in Western Iran. *Iranian J. Microbiol.* 2013 5(3) 195-202
- 16- Mohammadi P, **Abiri R**. Isolation of Enteropathogenic *Escherichia coli* (EPEC) from raw milk in Kermanshah by polymerase chain reaction (PCR). *Jundishapur Journal of Microbiology*. 2013. 6 (4), 1P
- 17- Doostvandi S, Alvandi A, **Abiri R**, Mohajeri P. High Frequency of Mbl Producing *Acinetobacter* in Kermanshah . *Iranian Journal of Public Health*. 2013. 43 (2), 90
- 18- **Abiri R***, Zandie N, Rezaei M, Sayyad B: Antibiotic resistance of *Klebsiella* strains isolated from burn wound infection in patients hospitalized in Imam Khomeini center in Kermanshah, *Iranian Journal of Medical Microbiology*. 1391: 6(1,2): 51-59 (Text in Persian)
- 19- Mohammadi, P; **Abiri R***; Rezaei M; Salmanzadeh-Ahrabi S: Isolation of Shiga toxin-producing *Escherichia coli* from raw milk in Kermanshah, Iran. *Iranian J. Microbiology*, 2013;5(3): 233-238
- 20- Hasanvand B, Kashef M, Alvandi A H, **Abiri R**. Prevalence of ESBL and MBL in *Acinetobacter baumannii* isolated from Iranian patients during the recent 10 years. *Iranian Journal of Public Health*. 2014. 43 (2), 42

- 21- Ghadiri K, Sabouri T, **Abiri R**, Pourmohammadi S, Elahi A, Mourmohammadi A: Antibiotic resistance pattern in nasopharyngeal *Neisseria meningitidis* carriers among 2-12 years old children in Kermanshah, 2012. Asrar, Journal of Sabzevar School of Medical Sciences 2014; 21 (4) : 621-628.(Text in Persian)
- 22- Alvandi A H, **Abiri R**, Aryan E, Rezaei M, Bagherabadi SH: High frequency of *Helicobacter pylori* DNA in drinking water in Kermanshah, Iran, during June-November 2012. Journal of Water and Health. 2014
- 23- Azimi S, Behin J, **Abiri R**, Rajabi L, Deakhshan A, Karinmnezhad H: Synthesis, characterization and antibacterial activity of chlorophyllin functionalized graphene oxide nanostructures Science of Advanced Materials. 2014; 6: 1-11
- 24- Babaei F, Amadi S, **Abiri R**, Rezaei F, Naseri M, Moahmoudi M, Nategh R, Mokhtari Azad T, The TP53 Codon 72 Polymorphism and Risk of Sporadic Prostate Cancer among Iranian Patients. Iranian Journal of Public Health 2014. 43(4):453-459
- 25- **Abiri***, R. Mohammadi, P, Shavani, N, Rezaei, M. Detection and genetic characterization of metallo- β -lactamase IMP-1 and VIM-2 in *Pseudomonas aeruginosa* strains from different hospitals in Kermanshah, Iran. Jundishapur J. Microbiol 2015. 8(9).
- 26- Yari F, **Abiri R**, Soleymani M, Gholipour A, Alvandi AH. Evaluation of the egg yolk enriched columbia agar for isolation of *Helicobacter pylori* from gastric biopsy specimens. J Shahrekord Univ Med Sci) 2015 Feb, Mar; 16(6): 67-74
- 27- Jalilian S, Alvandi AH, **Abiri R***: Correlation of babA2 with cagA and vacAs1 in *Helicobacter pylori* Isolated from Cases of Gastrointestinal Disorders. J Mazandaran Univ Med Sci 2015; 25(123): 11-20 (Persian)
- 28- Amiri N, **Abiri R** , Eyvazi M, Zolfaghari M R, Alvandi A H. The frequency of *Helicobacter pylori* in dental plaque is possibly underestimated. Archives of Oral Biology. 2015. 60 . 782-788

- 29- Dostvandi S, **Abiri R**, Mohajeri P, Alvandi AH. Genotypic and Phenotypic Characteristics of Efflux Pumps in *Acinetobacter* spp. Isolated from Inpatients. *J Mazandaran Univ Med Sci* 2015; 25(126): 1-10 (Persian)
- 30- **Abiri R** *, Mohammadi P, Shavani N, Rezaei M. Detection and genetic characterization of metallo- β -lactamase IMP-1 and VIM-2 in *Pseudomonas aeruginosa* strains from different hospitals in Kermanshah, Iran. *Jundishapur journal of microbiology*. 2015. 8 (9)
- 31- Pajavand, H, Alvandi, A, Mohajeri, P, Bakhtyari, S, Bashiri, H, Kalali, B, Gerhard, M, Najafi, F, **Abiri, R***: High frequency of *vacA s1m2* genotypes among *Helicobacter pylori* isolates from patients with gastroduodenal disorders in Kermanshah, Iran. *Jundishapur J. Microb.* 2015. 8(11), 2
- 32- Babaei F, Ahmadi A, Rezaei R, Jalilvand S, Ghavami N, Mahmoudi M, **Abiri R**: ,Xenotropic Murine Leukemia Virus-Related Virus and RNase L R462Q Variants in Iranian Patients With Sporadic Prostate Cancer Iranian Red Crescent Medical Journal 17 (12)
- 33- Sabory T, Ghadiri K, **Abiri R**, Elahi A, Poormohammadi S, Gharib AR: Incidence of nasopharyngeal carriers of *Streptococcus pneumoniae* and antibiotic resistance in the children in Kermanshah 2012 *Journal of Nursing Education* 4 (4)
- 34- Khani M, Fatollahzade M, Pajavand H, Bakhtiari S, **Abiri R***: Increasing Prevalence of Aminoglycoside-Resistant *Enterococcus faecalis* Isolates Due to the *aac (6')-aph (2'')* Gene: A Therapeutic Problem in Kermanshah, Iran. *Jundishapur journal of microbiology* 9 (3)
- 35- Bakhtiari S, Alvandi A, Pajavand H, Navabi J, Najafi F, **Abiri R***: Development and Diagnostic Evaluation of Loop-Mediated Isothermal Amplification Using a New Gene Target for Rapid Detection of *Helicobacter pylori*. *Jundishapur Journal of Microbiology*
- 36- Yari F, **Abiri R**, Aryan E, Ahmadi Jouybari T, Navabi J, Alvandi A

Loop- Mediated Isothermal Amplification as a Fast Noninvasive Method of Helicobacter pylori Diagnosis Journal of clinical laboratory analysis. 2016. 30 (5), 464-470

- 37- **Abiri R**, Bagherabadi S, Kashef M, Hasanvand B, Pajavand H, ... Detection of Helicobacter pylori in Drinking Water by Loop-Mediated Isothermal Amplification Jundishapur Journal of Microbiology. 2017. 10 (4)
- 38- Vaziri S, Mansouri F, **Abiri R**, Alvandi A, Mortazavi S, Ahmadi K, ... Prevalence study of extended spectrum beta-lactamase in klebsiella pneumonia isolated from patients with ventilator-associated pneumonia in Kermanshah City, Iran Journal of Isfahan Medical School. 2017. 35 (444), 1113-1119
- 39- Vaziri S, **Abiri R**, Mansouri F, Alvandi A, Azizi M, Hasanvand B, Mirzaei M, ... The molecular investigation of class 1 and 2 integrons among the Escherichia coli isolated from urine samples of children in Imam Reza Hospital, Kermanshah city, Iran, in 2016 Journal of Isfahan Medical School. 2017. 35 (446), 1171-1177
- 40- S Hadifar, M Sedighi, S Mostafaei, A Miri, H Amiri, **R Abiri**, F Babaei, ...Prevalence of hepatitis E infection in the general population of Iran: a systematic review and meta-analysis Future Virology. 2017. 12 (4), 227-236
- 41- Jalilian S, Alvandi AH, Ahmadi Joibari T, Pajavand H. **Abiri R***. There is no association between the presence of dupA and babA2 genes in Helicobacter pylori and gastroduodenal disorders. Submitted
- 42- Jalilian S, Amiri N, **Abiri R**, Eyvazi M, Jalilian F, Alvandi A Are non-pylori helicobacters present in the human oral cavity? Molecular Genetics, Microbiology and Virology. 2017. 32 (2), 125-129
- 43- Kheradmmand M, Jalilian S, Alvandi AH, **Abiri R***. Prevalence of Clostridium difficile and its toxigenic genotype in beef samples in west of Iran Iranian Journal of Microbiology. 2017. 9 (3), 169

- 44- Kashef M, **Abiri R***, Alvandi AH, Hasanvand B, Azizi M. Virulence factor and biofilm formation in clinical enterococcal isolates from West Iran. *Jundishapur Journal of Microbiology*. 2017. 10 (7)
- 45- M Doosti Mohajer, H Pajavand, R Abiri, A Alvandi Phenotypic and Genotypic Efflux Pumps in Resistance to Fluoroquinolones in *E. coli* Isolated from Inpatients in Kermanshah Hospitals in 2013
- 46- R Hatami. The frequency of multidrug-resistance and extensively drug-resistant *Acinetobacter baumannii* in west of Iran *J Clin Microbiol Infect Dis*. 2018. 1 (1), 4-8
- 47- Moghadam RH, Alvandi AH, Akbari N, Jafari P, **Abiri R** The Frequency of Multidrug-Resistance and Extensively Drug-Resistant *Acinetobacter Baumannii* in West of Iran . *JOURNAL OF RESEARCH IN MEDICAL AND DENTAL SCIENCE*. 2018. 6 (2), 112-119
- 48- N Omidpanah, F Najafi, **R Abiri**. Efficacy of Nanosil and Listerine Antiseptics for Infection Control in Dental Unit Waterline *Journal of Dental School, Shahid Beheshti University of Medical Sciences* 2019. 37
- 49- Alvandi AH, **Abiri R**, Ahmadi-Jouybari T, Souri N. Genetic Diversity of *Helicobacter pylori* Strains Isolated from Patients with Gastrointestinal Diseases Using Multilocus Sequence Typing in Kermanshah *Jundishapur Journal of Microbiology*. 2019.12 (6), 1-11
- 50- Bakhtiari S, Alvandi AH, Pajavand H, **Abiri R*** . Diagnostic accuracy of Loop Mediated Isothermal Amplification for diagnosis of *Helicobacter pylori* in clinical samples. *Apmis* 2019. 127 (7), 510-514
- 51- Hesari Y, Sohrabi N, **Abiri R**, Babaei F, Amiri Z. Staphylococcal Cassette Chromosome *mec* Typing of Meticillin-Resistant *Staphylococcus aureus* in Kermanshah Province, West of Iran. *Jundishapur Journal of Microbiology*. 2020. 13 (3)
- 52- Azizi A, Hatam R, Soltani P, Miri S, **Abiri R**. Comparison of effectiveness of Reciproc, Wave One, Protaper, and One Shape rotary

instruments in reduction of bacterial load in root canals Giornale Italiano di Endodonzia . 2020. 34 (1)

53- Indexing of 380 nucleotide sequences in Gene Bank

Inventions

Helicobacter pylori diagnostic kit

Pharmaceutical supplement suppression antibiotic resistance caused by the beta-lactam antibiotic degrading enzyme

Probiotic butter

Research Skills:

DNA and Plasmid Extraction

PCR

PCR-RFLP

LAMP

Bioinformatics

SDS-PAGE

DGGE

PFGE

Computer Skills:

ICDL

SPSS

Bioinformatics

Immunoinformatics

R studio