

- 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, 17th, 18th, 19th, 20th, 21th, 22nd, 23rd Advisory Council of Congress of Microbiology
- 11- Member of Leader board of the Iranian Society for Microbiology
- 12- Head of international relations, School of medicine, Kermanshah university of medical sciences
- 13- Member of Iranian Scientific board of Microbiology Education
- 14- Member of Iranian Scientific Board of Medical Education

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
- Distinguished University teacher – Kermanshah University of Medical Sciences, 2021
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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 Zanzan 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***, Afanzade NS, Malek khatabi P: Study of antibacterial effects of hydro-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, Shahsavari 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, Karimnezhad 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 Gastroduodenal 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- Kheradmand 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- Kashani S, Alvandi AH, **Abiri R***: Diagnostic Values of Multiplex Loop-Mediated Isothermal Amplification and Multiplex Polymerase Chain Reaction for Detection of Methicillin-Resistant Staphylococcus aureus. Jundishapur J. Microbiol 2020 June; 13(6):doi: 10.5812/jjm.96682.
- 54- Emami S, Nowroozi J, **Abiri R**, Mohajeri P. Molecular identification of Stenotrophomonas maltophilia isolated from patients and environments in Kermanshah hospitals. Iranian Journal of Biological Sciences 15 (2), 9-19
- 55- Khodamoradi S, **Abiri R**. The incidence and antimicrobial resistance of Arcobacter species in animal and poultry meat samples at slaughterhouses in Iran. Iranian Journal of Microbiology 12 (6), 531
- 56- Moradi J, Moghoofei M, Alvandi AH, **Abiri R**. Variation analysis of SARS-CoV-2 complete sequences from Iran. bioRxiv
- 57- Abiri R, Abdul-Hamid H, Sytar O, **Abiri R**, Bezerra E. A Brief Overview of Potential Treatments for Viral Diseases Using Natural Plant Compounds: The Case of SARS-Cov. Molecules 26 (13), 3868
- 58- Ahmadian Z, Correia A, Hasany M, Figueiredo P, Dobakhti F, Eskandari MR, Hosseini SH, **Abiri R**, Khorshid SH, Hirvonen J, Santos HA, Shahbazi MA. A Hydrogen-Bonded Extracellular Matrix-Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pH-Responsive Wound Healing Acceleration. Advanced healthcare materials 10 (3), 2001122
- 59- Abiri R, Atabaki N, Sanusi R, Malik S, **Abiri R**, Safa P, Shukor NAA, New insights into the biological properties of eucalyptus-derived essential oil: A promising green anti-cancer drug. Food Reviews International, 1-36

- 60- Nikbakht Borojeni G, Abasabadi F, **Abiri R**, Alvandi A, Salari F. Designing B and T Cell Multi-Epitope Vaccine for Cross Protection Against Haemophilus Strains: An Immunoinformatics Approach . J Vet. Res 76 (1), 133-145
- 61- **Abiri R**, Aliabadi M, Kadivar S, Borji S, Moradi J, Alvandi AH. Potentially Probiotic Bacteria Isolated from Preparation Stages of Kermanshahi Traditional Fat. Iranian Journal of Medical Microbiology 15 (3), 352-360
- 62- Motamedi H, Mahdizade Ari M, Dashtbin Sh, Fathollahi M, Hossainpour H, Alvandi AH, Moradi J, **Abiri R***. An update review of globally reported SARS-CoV-2 vaccines in preclinical and clinical stages. International immunopharmacology 96, 107763
- 63- Hatami Pirghibi T, Chehri K, **Abiri R**, Karimi I. Effect of hydro-alcoholic extracts of Rosmarinus officinalis L., Mentha piperita L., and Zataria multiflora Boiss on biofilm formation of Pseudomonas. Research in Medicine 45 (3), 11-17
- 64- Zangeneh Z, Abdi-Ali A, Khamooshian K, Alvandi AH, **Abiri R***. Bacterial variation in the oral microbiota in multiple sclerosis patients. PloS one 16 (11), e0260384
- 65- Fathollahi M, Fathollahi A, Motamedi M, Moradi J, Alvandi A, **Abiri R***. In silico vaccine design and epitope mapping of New Delhi metallo-beta-lactamase (NDM): an immunoinformatics approach. BMC bioinformatics 22 (1), 1-24
- 66- Motamedi H, Fathollahi M, **Abiri R**, Kadivar S, Rostamian M, Alvandi A. A worldwide systematic review and meta-analysis of bacteria related to antibiotic-associated diarrhea in hospitalized patients. Plos one 16 (12), e0260667
- 67- Emami S, Nowroozi J, **Abiri R**, Mohajeri P. Multilocus Sequence Typing for Molecular Epidemiology of Stenotrophomonas maltophilia Clinical and Environmental Isolates from a Tertiary Hospital in West of Iran. Iranian Biomedical Journal 26 (2), 142

- 68- Yaghoobi A, **Abiri R**, Alvandi AH, Arkan E, Mohammadi Gh, Farshadnia T, Jalalvand AR. An efficiently engineered electrochemical biosensor as a novel and user-friendly electronic device for biosensing of Streptococcus Pneumoniae bacteria. Sensing and Bio-Sensing Research, 100494
- 69- Yaghoobi A, **Abiri R**, Alvandi A, Arkan E, Jalalvand AR A novel electrochemical biosensor as an efficient electronic device for impedimetric and amperometric quantification of the pneumococcus. Sensing and Bio-Sensing Research 37, 100506
- 70- Motamedi H, Alvandi A A, Fathollahi M, Mahdizade Ari M, Moradi S, Moradi J, **Abiri R***. In silico Designing and Immunoinformatics Analysis of a Novel Peptide Vaccine Against Metallo-beta-lactamase (VIM and IMP) Variants Plos One, In press

1- 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