

2025



CURRICULUM VITAE

Dr. RAMIN MAZAHERI NEZHAD FARD

A/Prof. in Microbiology, MSc, PhD, PDF

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PERSONAL INFORMATION

Name: Ramin

Surname: Mazaheri Nezhad Fard

Date of Birth: 20 September 1970, Iran

Marital Status: Married (children: 1)

Postal Address:

Division of Medical Microbiology

Department of Pathobiology

School of Public Health

Tehran University of Medical Sciences

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Google Scholar: https://scholar.google.ca/citations?user=_JpkpagAAAAJ&hl=en

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Web of Science Researcher ID: AAM-6414-2020

Scopus Author Identifier: 35192018100

EDUCATION AND PROFESSIONAL TRAINING

Since 2011 Registered Laboratory Bacteriologist (reg. no. 2727), Iran Medical Council, Tehran, Iran

2010–2011 Senior Postdoctoral Research Fellow (HEO 5/B) in Microbial Genetics/ Biotechnology, Flinders University, Adelaide, Australia

2007–2010 PhD in Microbiology, University of South Australia, Adelaide, Australia

2003–2005 Master of Science in Medical Bacteriology, Tarbiat Modares University, Tehran, Iran

1998–2000 Bachelor of Science in Veterinary Laboratory Sciences, University of Tehran, Tehran, Iran

1989–1991 Associate Degree in Veterinary Medicine, Ferdowsi University, Mashhad, Iran

PROFESSIONAL EXPERIENCE

2024–2025 Committee Member of Knowledge Translation, Tehran University of Medical Sciences, Tehran, Iran

2021–2022 Committee Member of Personalized Medicine Branch, Research Center for Clinical Virology (RCCV), Tehran University of Medical Sciences, Tehran, Iran

Since 2018 Deputy for International Affairs, Department of Pathobiology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

Since 2017 Bacteriophage Committee Member, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

2016–2018 Research Council Board Member, Department of Pathobiology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

2015–2025 Member of Food Microbiology Research Center (FMRC), Tehran University of Medical Sciences, Tehran, Iran

Since 2015 Associate Professor in Medical Bacteriology (H-index 20), Department of Pathobiology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

2011–2015 Research Laboratory Executive Supervisor and Safety Officer and Senior Researcher in Molecular Microbiology/Microbial Genetics, Rastegar Reference Laboratory, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran

2001–2007 Senior Clinical Laboratory Science Professional (CLS/MT) and Laboratory Instructor in Veterinary Clinical Pathology, Small Animal Teaching Hospital, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran

2001–2002 Teaching/Laboratory Assistant (TA/LA), Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran

1998–1999 Research Assistant (RA), Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran

1997–1998 Technical Service Officer, ZD Diagnostics, Tehran, Iran

1996–1998 Private Tutor in Biology, Tehran, Iran

1995–1996 Veterinary Technician/Technologist Specialist (VTS), Tehran, Iran

1992–1994 Clinical Laboratory Science Professional (CLT/MLT), Healthcare Center, IRIA, Tehran, Iran

TEACHING EXPERIENCE

Since 2014 Senior Lecturer in Molecular Cell Biology, Parasite Biotechnology, Food Biotechnology, Food Toxicology, Bacterial Toxicology, Structure and Physiology of Microorganisms, Advanced Systematic Bacteriology, Clinical Bacteriology, Diagnostic Bacteriology, Laboratory Animals, Research Methodology and Seminars, Tehran University of Medical Sciences, Tehran, Iran

2022–2023 Adjunct Lecturer in Genetics, University of Tehran, Tehran, Iran

2014–2015 Adjunct Lecturer in General Virology and English Language, Kharazmi University, Tehran, Iran

2012–2014 Adjunct Lecturer in Veterinary Microbiology, General Microbiology, General Biology and General Histology, University of Applied Science and Technology, Tehran, Iran

TEACHING OFFERS

Anatomy

Biochemistry

Fungi Biotechnology

Bioinformatics

Information Technology

TECHNICAL DEVELOPMENT

Bioinformatics

Molecular Cell Biology, Genomics and Proteomics

High Performance Liquid Chromatography

Animal Artificial Insemination and Embryo Transfer

Preclinical Imaging

Short Antimicrobial Peptides

Internationalization of Higher Education in Medical Sciences

FAO Understanding Antimicrobial Resistance in Food and Agriculture

WHO Health Emergencies Programme: Antimicrobial resistance and infection prevention and control

WHO Global Neglected Tropical Diseases Programme: Neglected Tropical Diseases

Monitoring and Evaluation Framework

World Small Animal Veterinary Association (WSAVA) Continuing Education Program

The Australasian Professional Acknowledgement of Continuing Education (APACE) Scheme

Research Theory, Design and Methodology

Laboratory and Workplace Management Short Courses

Learning and Teaching Training Short Courses and Workshops

Human and Animal Research Ethics

Research Commercialization, Funding and Intellectual Property

Occupational Health, Safety and Welfare

Academic Writing Skill Series

English Language Proficiency Certificate: TOEFL, IELTS

Information and Communications Technology Certificate: ICDL 1, 2

PAST AND PRESENT MEMBERSHIPS

Member of Iranian Biology Society (IBS)

Member of Iranian Association of Gastroenterology and Hepatology (IAGH)

Member of International Society for the Viruses of Microorganisms (ISVM)

Member of Health Biotechnology Convention (HBC)

Member of Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID)

Member of Canadian Society of Microbiologists (CSM)

Member of International Society for Pharmacoepidemiology (ISPE)

Member of Genetics Society of AustralAsia (GSA)

Member of American Society for Biochemistry and Molecular Biology (ASBMB)

Member of American Society for Microbiology (ASM)

Member of Australian Health Promotion Association (AHPA)

Accredit Joint Member of Australian Institute of Medical Scientists (AIMS)

Associate Fellow of Australasian College of Health Service Executives (ACHSE)

Member of Iranian Small Animal Veterinary Association (ISAVA)

Member of Australian Society for Biochemistry and Molecular Biology (ASBMB)

Member of American Academy of Emergency Medicine's Resident and Student Association (AAEM-RSA)

Member of Australia and New Zealand Society for Cell and Developmental Biology (ANZSCDB)

Associate Member of Australian Society for Antimicrobials (ASA)

Executive Committee Member of Australian Society for Microbiology (ASM)

Executive Committee Member of Iranian Genetic Society (IGS)

Executive Committee Member of Iranian Biotechnology Society (IBS)

HONORARY MEMBERSHIPS

Member of Eastern Mediterranean Health Genomics and Biotechnology Network (EMGEN)

Member of Quality Control for Molecular Diagnostics Organization (QCMD)

Member of British Science Association (BA)

Member of Davis-Thompson Foundation (DTF)

Member of Research and Development Center for Biotechnology (RDCB)

HONORS AND AWARDS

2015 Encyclopedia of Iranian Biotechnologists, Presidency of Islamic Republic of Iran, Vice-Presidency for Science and Technology, Tehran, Iran

2012 Most Popular Papers, *International Journal of Spleology*, Union Internationale de Speleologie

2011 Elected Affiliated Laboratory, University of Tehran, Tehran, Iran

2011 Top 25 Hottest Articles, *Veterinary Microbiology*, Elsevier B.V.

2008, 2009 HDR Travel Grant, University of South Australia, Adelaide, Australia

2007–2010 PhD Full Scholarship (University President's Scholarship), University of South Australia, Adelaide, Australia

2004 TMU President's Award for Top Students, Tarbiat Modares University, Tehran, Iran

Since 2003 Iranian Brilliant Talent, Ministry of Science, Research and Technology, Tehran, Iran

2003–2004 Top Student (ranked 1st) in Medical Bacteriology, Ministry of Science, Research and Technology, Tehran, Iran

POSTDOCTORAL RESEARCH FELLOWSHIP OFFERS

Institute of Microbial Biotechnology and Metagenomics, University of the Western Cape, Cape Town, South Africa

School of Medicine, Baylor College of Medicine, Houston, USA

Faculty of Medicine, University of Calgary, Calgary, Canada

School of Biological Sciences, Flinders University, Adelaide, Australia

SCIENTIFIC REVIEW BOARD

Validation Committee Member of Basic Sciences, Department of Pathobiology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

Course Reviewer of MS Students in Food Microbiology, Ministry of Health and Medical Education, Tehran, Iran

Course Reviewer of PhD Students in Food Microbiology, Ministry of Health and Medical Education, Tehran, Iran

Executive Member of Iranian Microbiome Project (IMP), Ministry of Health and Medical Education, Tehran, Iran

Iran National Science Foundation (INSF) Reviewer, Presidency of Islamic Republic of Iran, Vice-Presidency for Science and Technology, Tehran, Iran

Next Generation Sequencing Policies for Primary Investigators and Senior Researchers, National Institute for Medical Research Development (NIMAD), Ministry of Health and Medical Education, Tehran, Iran

National MS Entry Exam Designer, Ministry of Health and Medical Education, Tehran, Iran

Animal Ethics Code of Practice, Ministry of Health and Medical Education, Tehran, Iran

Animal Ethics Code of Practice, University of Tehran, Tehran, Iran

National Biosafety Code of Practice, Iranian Biotechnology Society, Tehran, Iran

JOURNAL EDITORIAL* AND REVIEW BOARD

Exploration (Exp)

Trends in Immunotherapy (TI)

Journal of Experimental Agriculture International (JEAI)

Computational Biology and Bioinformatics Research (CBBR)

B P International (BPI)

Asian Journal of Research in Infectious Diseases (AJRID)

Microbiology Research Journal International (MRJI)

Journal of Microbiology and Antimicrobials (JMA)

Virology Journal (VirolJ)

Asian Journal of Research in Biochemistry (AJRB)

Journal of Advances in Medicine and Medical Research (JAMMR)

Journal of Complementary and Alternative Medical Research (JOCAMR)

Journal of Advances in Microbiology (JAMB)

Iranian Journal of Medical Microbiology (IJMM)
Uttar Pradesh Journal of Zoology (UPJOZ)
African Journal of Health Sciences and Technology (AJHST)
International Journal of Microbiology (IJM)
BMC Veterinary Research (BMCVR)
Biophysical Reviews (BPR)
Journal of Medicine and Health Research (JMHR)
Journal of Advances in Biology and Biotechnology (JABB)
Asian Journal of Environment and Ecology (AJEE)
South Asian Journal of Research in Microbiology (SAJRM)
International Journal of Genetics and Molecular Biology (IJGMB)
Journal of Cancer Research and Experimental Oncology (JCREO)
Journal of Pharmaceutical Research International (JPRI)
Tehran University of Medical Sciences Publications (TUMS Pub)
Avicenna Journal of Medical Biotechnology (AJMB)
Middle East Journal of Digestive Diseases (MEJDD)
Heliyon Food Science and Nutrition (Heliyon)
BMC Research Notes (BMC Res Notes)
African Journal of Cellular Pathology (AJCPath)
Journal of Pharmacognosy and Phytotherapy (JPP)
Research in Pharmaceutical Biotechnology (RPB)
Journal of Medicinal Plants Research (JMPR)
Current Microbiology: An International Journal (CMIC)
Frontiers in Dentistry (FD)
African Journal of Biochemistry Research (AJBR)
International Journal of Nutrition and Metabolism (IJNAM)

Journal of Arthropod Borne Diseases (JAD)

Journal of Physiology and Pathophysiology (JPP)

African Journal of Food Science (AJFS)

Journal of Food Safety and Hygiene (JFSH)

Applied Food Biotechnology (AFB)*

Nutrition and Food in Health and Disease (NFHD)*

Iranian Journal of Nutrition Sciences and Food Technology (NSFT)*

Journal of Advances in Medical and Biomedical Research (JAMBR)

GMS Hygiene and Infection Control (GMSHIC)

Osong Public Health and Research Perspectives (OPHRP)

African Journal of Biotechnology (AJB)

Journal of Mycology Research (JMR)

Journal of Applied Biology and Biotechnology (JABB)

World Journal of Microbiology (WJM)

Polish Journal of Veterinary Sciences (PJVS)

Journal of Microbiology Research and Reviews (JMRR)

Nova Biologica Reperta (NBR)

Journal of Medical Bacteriology (JMB)

Journal of Parasitic Diseases (JOPD)

Premier Publishers Journals (PPJ)

Brazilian Journal of Microbiology (BJM)

Iranian Journal of Veterinary Medicine (IJVM)

African Journal of Medical Microbiology (AJMM)

International Journal of Microbiology Research and Reviews (IJMRR)

International Journal of Tropical Disease and Health (IJTDH)

International Scholars Journals (ISJ)

Basic Research Journal of Microbiology (BRJMB)

Basic Research Journal of Soil and Environmental Science (BRJSES)

International Journal of Microbiology and Immunology Research (IJMIR)

Journal of Infectious Diseases and Immunity (JIDI)

Journal of Cell Biology and Genetics (JCBG)

Journal of Medical Laboratory and Diagnosis (JMLD)

Journal of Bacteriology Research (JBR)

African Journal of Microbiology Research (AJMR)

African Journal of Agricultural Research (AJAR)

Journal of Veterinary Research (JVR)

Agricultural Science Research Journal (ARJ)

Scientific Journal of Veterinary Students Associations (PEJVAD)*

International Journal of English and Literature (IJEL)

THESES SUPERVISED AND ADVISED

2025–2027 PhD thesis in Veterinary Microbiology, Tehran University of Medical Sciences and University of Tehran, Tehran, Iran

2025–2027 PhD thesis in Medical Bacteriology, Tehran University of Medical Sciences, Tehran, Iran

2025–2027 PhD thesis in Medical Bacteriology, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran

2024–2025 MS thesis in Medical Microbiology, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran

2024–2025 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2024–2026 PhD thesis in Medical Bacteriology, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran

2023–2025 PhD thesis in Medical Bacteriology, Tehran University of Medical Sciences, Tehran, Iran

2023–2025 PhD thesis in Medical Bacteriology, Tehran University of Medical Sciences, Tehran, Iran

2023–2025 PhD thesis in Microbiology, Tehran University of Medical Sciences and Islamic Azad University, Tehran, Iran

2023–2024 MS thesis in Medical Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2023–2024 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2020–2022 PhD thesis in Medical Parasitology, Tehran University of Medical Sciences, Tehran, Iran

2019–2022 PhD thesis in Medical Bacteriology, Tarbiat Modares University, Tehran, Iran

2019–2021 MS thesis in Medical Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2019–2021 MS thesis in Genetics, Tehran University of Medical Sciences and Islamic Azad University, Tehran, Iran

2019–2021 MS thesis in Medical Biotechnology, Tehran University of Medical Sciences and Islamic Azad University, Tehran, Iran

2018–2021 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2017–2018 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2016–2017 MS thesis in Medical Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2016–2017 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2016–2017 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2016–2017 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2016–2017 MS thesis in Food Microbiology, Tehran University of Medical Sciences, Tehran, Iran

2014–2017 PhD thesis in Nutritional Sciences, Tehran University of Medical Sciences, Tehran, Iran

2014–2016 PhD thesis in Nutritional Sciences, Tehran University of Medical Sciences, Tehran, Iran

2015–2016 PhD thesis in Sports Physiology, University of Tehran, Tehran, Iran

2014–2015 PhD thesis in Sports Physiology, University of Tehran, Tehran, Iran

2014–2015 DVM thesis in Veterinary Medicine, University of Tehran, Tehran, Iran

2014–2015 DVM thesis in Veterinary Medicine, University of Tehran, Tehran, Iran

2010–2011 MS thesis in Biotechnology, Flinders University, Adelaide, Australia

2010–2011 Honors project in Biotechnology, Flinders University, Adelaide, Australia

2010–2011 Honors project in Biotechnology, Flinders University, Adelaide, Australia

2005–2006 MS thesis in Microbiology, Islamic Azad University, Ghom, Iran

Also trainees, research postgraduate students and undergraduate students supervised.

THESES REFEREED

Several medical postgraduate theses (PhD, MS) refereed.

STUDENT COLLOQUIUMS AND SEMINARS SUPERVISED

2024 Microbial bioterrorism

2022 Antimicrobial stewardship

2022 Next generation sequencing (NGS) platforms

2022 Microbiome and cancers

2021 Microbiota and metabolic diseases

2020 Microbiome in psychiatry

2019 Microbiome in health and disease

2019 Tularemia studies in Iran

2012 Biotechnology: the art that changed the world

2012 Evaluation of prevalence and phylogenetic analysis of hemotropic mycoplasmas in cats

2012 Animal modeling in health and life sciences research

2011 Inherited immune deficiencies

2011 Effects of honey on wound healing

2011 Laboratory assessment of chocolate poisoning in dogs and report of four poisoned cases by chocolate in Tehran

SHORT COURSES TAUGHT

2023 English academic writing for postgraduate students (17 hours)

2018 Academic writing for scholars using simplified technical English (16 hours)

2018 Academic writing for students using simplified technical English (16 hours)

2017 Problem-based academic writing for scholars (17 hours)

2017 Problem-based academic writing for students (17 hours)

2017 English free discussion (34 hours)

2012 Basics and advances in bioinformatics (102 hours)

WORKSHOPS TAUGHT AND ORGANIZED

2025 Safety in Laboratories

2023 Biosafety in Laboratories

2018 Next Generation Sequencing (NGS)

2015 Manual and computer assisted primer design

2015 Polymerase chain reaction, troubleshooting and primer design (PCR)

2014 Reverse transcriptase polymerase chain reaction (RT-PCR)

2014 Manual and computer assisted primer design

2013 Laboratory animal research methodology

2013 Polymerase chain reaction, troubleshooting and primer design (PCR)

2013 Cell culture techniques

2013 Polymerase chain reaction, troubleshooting and primer design (PCR)

2013 Enzyme linked immunosorbent assay (ELISA)

2013 Real time polymerase chain reaction (Real-Time PCR)

2012 Reverse transcriptase polymerase chain reaction (RT-PCR)

2012 Manual and computer assisted primer design

2012 Polymerase chain reaction, troubleshooting and primer design (PCR)

2012 Advances in high performance liquid chromatography (HPLC)

2012 Basics in high performance liquid chromatography (HPLC)

2011 Polymerase chain reaction (PCR)

2011 Cell culture of mouse spleen, bone marrow and peritoneal macrophage

2011 IgG extraction from bovine serum by ion exchange chromatography method studied in reductive and non-reductive conditions by SDS-PAGE and Western blot techniques

Also monthly research laboratory good practice and biosafety workshops

RESEARCH INTERESTS

Molecular Microbiology

- Microbiome
- Metagenomics
- Molecular Biology
- Molecular Genetics
- Molecular Evolution
- Mobile Genetic Elements
- Antimicrobial Resistance
- Bacteriophages

Medical Microbiology

Infectious Diseases

RESEARCH EXPERIENCE

Effects of pectin and gellan gum nanofibers containing linezolid and cotrimoxazole on growth inhibition of filamentous bacteria isolated from HIV-positive patients, Tehran University of Medical Sciences, Tehran, Iran, 2025–2027

Molecular and serological studies of important tickborne pathogens in Tehran Province, Iran, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran, 2025–2027

Prevalence of various species of *Nocardia* in suspected tuberculosis patients referred to Pasteur Institute of Iran and investigation of drug resistance profiles of these isolates, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran, 2024–2025

Development of Multiplex PCR assay to detect *Staphylococcus aureus*, *Escherichia coli*, *Salmonella enterica* and *Listeria monocytogenes* in camel milk samples and comparison of the results with those of culture assay, Tehran University of Medical Sciences, Tehran, Iran, 2024–2025

Assessment of *in-vitro* effects of actinomycete metabolites on drug-resistant *Candida albicans* isolated from patients with oropharyngeal candidiasis, Tehran University of Medical Sciences and Pasteur Institute, Tehran, Iran, 2024–2026

Isolation and characterization of bacteriophages effective against *Klebsiella pneumoniae* and assessment of the efficacy of the bacteriophage cocktail on the burn wound infections caused by *Klebsiella pneumoniae* in animal models, Tehran University of Medical Sciences, Tehran, Iran, 2023–2025

Isolation, characterization and assessment of the bacteriophage cocktail efficacy against methicillin-resistant *Staphylococcus aureus* isolated from mastitis *in vitro* and *in vivo*, Tehran University of Medical Sciences, Tehran, Iran, 2023–2025

Study of oral cavity filamentous bacteria and their antibacterial sensitivity in HIV positive patients in South Health Center of Tehran University of Medical Sciences, Tehran University of Medical Sciences, Tehran, Iran, 2023–2025

Prevalence and antimicrobial resistance of oral filamentous bacteria in HIV-positive patients in selected clinics of Tehran University of Medical Sciences, Tehran University of Medical Sciences, Tehran, Iran, 2023–2024

Investigating coinfection of *Helicobacter pylori* and Epstein-Barr virus (EBV) in patients with chronic gastritis, Tehran University of Medical Sciences, Tehran, Iran, 2023–2025

Investigating antimicrobial effects of free β -glucan and its liposomal form on *Salmonella enteritidis* and *Salmonella typhimurium* *in vitro*, Tehran University of Medical Sciences, Tehran, Iran, 2023–2024

Effects of Farsi gum coating incorporated with lime essential oil nanoemulsion on quality and shelf life of cow meat during refrigerated storage, Tehran University of Medical Sciences, Tehran, Iran, 2023–2024

Morphologic and molecular identification of bathroom dipterans and their body surface bacteria in residential houses of West Tehran, Tehran University of Medical Sciences, Tehran, Iran, 2023–2024

Study of genotypes and microflora of head and body lice in selected Iranian provinces using culture and NGS methods, Tehran University of Medical Sciences, Tehran, Iran, 2020–2022

Study of *Fasciola* vectors (fresh-water snails) in Gilan and Mazandaran Provinces, investigation of the snails' parasitic contaminations using morphological and molecular techniques and GIS studies, Sari University of Medical Sciences, Sari, Iran, 2020–2022

Seroepidemiological study of leptospirosis in slaughterhouse personnel of Gilan Province using MAT technique and verification of the positive samples using Nested PCR, Tehran University of Medical Sciences and University of Tehran, Tehran, Iran, 2019–2021

Identification of bacteriophages in *Acinetobacter baumannii* isolated from urban wastewater in Tehran. Tarbiat Modares University, Tehran, Iran, 2019–2022

Isolation and characterization of bacteriophages from water sources on *Enterococcus* spp. isolated from biological samples. Tehran University of Medical Sciences and Islamic Azad University, Tehran, Iran, 2019–2021

Links: BOPS01000001–BOPS01001574

BPUK01000001-BPUK01000160

Isolation and characterization of bacteriophages on antibiotic-resistant *Streptococcus* spp. isolated from biological samples. Tehran University of Medical Sciences and Islamic Azad University, Tehran, Iran, 2019–2021

Prevalence of *Listeria monocytogenes* in raw milk samples collected from dairy stores in Tehran. Tehran University of Medical Sciences and Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2019–2020

Study of food poisoning outbreaks by *sea-seb* positive *Staphylococcus aureus* in Iran. Tehran University of Medical Sciences, Tehran, Iran, 2018–2019

Assessment of microbial contamination in filtered waters using home water-filtration systems, Tehran University of Medical Sciences, Tehran, Iran, 2017

Prevalence of *Yersinia pseudotuberculosis* in raw milk and detecting *ail* and *inv* genes by PCR. Tehran University of Medical Sciences, Tehran, Iran, 2015–2017

Molecular pathotyping of *Escherichia coli* isolates and detection of residual antibiotics in cow milk in Borujerd, Lorestan Province, Iran. Tehran University of Medical Sciences, Tehran, Iran, 2015–2017

Study of *vanA*, B, C, D, E genes in vancomycin resistant enterococci (VRE) isolated from dried vegetables in Tehran. Tehran University of Medical Sciences, Tehran, Iran, 2015–2017

Effects of black grape on mitochondrial oxidation, thermogenic genes expression and morphological changes of adipocytes in male mice fed on high-fat diets based on corn oil and flaxseed oil. Tehran University of Medical Sciences, Tehran, Iran, 2015–2017

Effects of black grape in high fat diets containing corn oil and flaxseed oil on serum biochemical markers and adipogenic and lipogenic gene expression in white adipose tissues of male C57BL/6J mice. Tehran University of Medical Sciences, Tehran, Iran, 2015–2016

Prevalence and phylogeny of *Brucella canis* in dogs referred to Small Animal Teaching Hospital. University of Tehran, Tehran, Iran, 2015

Effects of myocardial ischemia on the gene expression of *myl2* and *myh7* in rabbits. University of Tehran, Tehran, Iran, 2014–2015

Molecular characterization and phylogeny of vaccine and wild *Brucella* spp. isolates by modified Bruce-ladder method in cattle, sheep and goats in Iran. University of Tehran, Tehran, Iran, 2013–2014

Archaeogenetic study of animal remains (*Capra hircus*) from Seymareh Valley, Central Zagros, Iran. University of Tehran and Islamic Azad University, Tehran, Iran, 2012

Evaluation of *stx1*, *stx2* and *eae* virulence gene prevalence in pigeons in Tehran, sequencing of the amplicons and phylogenetic study of the isolates. University of Tehran, Tehran, Iran, 2012–2013

Novel molecular approach in identification of *Candida albicans* and *Candida dubliniensis* isolated from human oral cavity by loop-mediated isothermal amplification (LAMP) method. University of Tehran, Tehran, Iran, 2012–2013

Detection and phylogenetic analysis of *Bartonella henselae* based on *gltA* gene in Iranian cats. University of Tehran, Tehran, Iran, 2012–2013

Comparison of methods for the investigation of coliforms in freshwater. University of Tehran and Islamic Azad University, Tehran, Iran, 2012

Comparative study of oxidative stress responses in blood samples exposed to Gram-positive and Gram-negative bacteria and the mechanisms involved in oxidative stress responses. University of Tehran and Tehran Medical University, Tehran, Iran, 2012

Developmental toxicity of bisphenol A in chicken embryos. University of Tehran and Tehran Medical University, Tehran, Iran, 2012

Diagnosis of urogenital and breast tumors by cytology and comparison of this method with telomerase enzyme measurement in dogs. University of Tehran, Tehran, Iran, 2011

Molecular identification of *Brucella* spp. in biological samples from livestock in epidemics. University of Tehran and Iran Veterinary Organization, Tehran, Iran, 2011–2012

Evaluation of infection with *Mycoplasma haemofelis* (*Haemobartonella felis*) in cats. University of Tehran, Tehran, Iran, 2011–2012

Molecular identification of bacterial community in selected caves at Naracoorte. Flinders University, Adelaide, Australia, 2011

Programming transformation of a transgenic vector containing *Botryococcus braunii* genes to unicellular green alga *Chlamydomonas reinhardtii*. Flinders University, Adelaide, Australia, 2010

Genome analysis of green microalga *Botryococcus braunii*. Flinders University, Adelaide, Australia, 2010

Determination of antimicrobial resistance profile in bacteria contaminating algal cultures. Flinders University, Adelaide, Australia, 2010

Complete genome sequencing and gene mapping of the selected enterococcal bacteriophage. University of South Australia and SA Pathology, Adelaide, Australia, 2009
Link: <http://www.ncbi.nlm.nih.gov/nuccore/297179193>

Detection of novel bacteriophages in animal enterococci. University of South Australia and Institute of Medical and Veterinary Science (IMVS), Adelaide, Australia, 2008–2009

Successful transduction of antimicrobial resistance determinants in *Enterococcus* spp. University of South Australia and Institute of Medical and Veterinary Science (IMVS), Adelaide, Australia, 2008

Assessment of antimicrobial resistance in human and animal enterococci. University of South Australia and Institute of Medical and Veterinary Science (IMVS), Adelaide, Australia, 2007–2008

Detection of class 1 integron-associated antibiotic resistance genes in human and swine *Escherichia coli* isolates. University of South Australia and Institute of Medical and Veterinary Science (IMVS), Adelaide, Australia, 2007

A survey on the positive effects of honey on the symptoms of premenstrual syndrome (PMS). Payam Noor University, Tehran, Iran, 2007–2008

Comparative study of antibody titers produced against Rabies vaccines in dogs by RFFIT. University of Tehran and Pasteur Institute of Iran, Tehran, Iran, 2005–2007

Evaluation of *stx*₁ and *stx*₂ virulence gene prevalence in cattle *Escherichia coli* isolates by polymerase chain reaction. University of Tehran and Pasteur Institute of Iran, Tehran, Iran, 2006

Investigation of the prevalence of immune-mediated hemolytic anemia (IMHA) in anemic dogs. University of Tehran, Tehran, Iran, 2004–2005

Evaluation of *ehxA*, *stx*₁ and *stx*₂ virulence gene prevalence and Stx₁-Stx₂ toxin production in cattle and food *Escherichia coli* isolates. University of Tehran and Tarbiat Modares University, Tehran, Iran, 2005

Evaluation of *ehxA*, *stx*₁ and *stx*₂ virulence gene prevalence in human and animal *Escherichia coli* isolates by multiplex polymerase chain reaction (Multiplex PCR) and determination of antibiotic resistance profile of the isolates. University of Tehran and Tarbiat Modares University, Tehran, Iran, 2004–2005

Detection of *Helicobacter* species in cats in Tehran. University of Tehran, Tehran, Iran, 2003–2004

Prevalence of *Bartonella henselae* (causative agent of cat scratch disease) in domestic cats in Tehran. University of Tehran, Tehran, Iran, 2003

Peritoneal dialysis and intravenous fluid therapy in uremic dogs. University of Tehran, Tehran, Iran, 2003

Inactivation of ileal mucosa by means of enzymatic treatment and its use for ileocystoplasty in dogs. University of Tehran, Tehran, Iran, 2001–2002

Secondary hyperparathyroidism in cats and its different routes of therapy, University of Tehran, Tehran, Iran, 2001–2002

Blood cell changes in periodontitis in dogs. University of Tehran, Tehran, Iran, 2001

Determination of normal intraocular pressure (IOP) in cats using tonometry and its comparison with ketamine and acepromazine after inducing anesthesia. University of Tehran, Tehran, Iran, 2001

Prevalence of hemobartonellosis in cats. University of Tehran, Tehran, Iran

Prevalence of toxoplasmosis in stray and domestic cats in Tehran. University of Tehran, Tehran, Iran

Prevalence of osteoporosis in cats. University of Tehran, Tehran, Iran

Leader and collaborator of more than 50 research projects in Genetics, Molecular Biology, Biotechnology, Microbiology and Hematology at several institutions since 2001

BOOKS

Mazaheri Nezhad Fard, R. (ed.), G. Javdani, K. Karimi, B. Ziae, S. Mahfouzian, M. Zaeemi, M. Sakhaei, N. Kalami, M. Bitaraf, S. Soleymanzadeh and J. Aldavood (ed.). Selected Topics in Canine and Feline Emergency Medicine (translation). 1st ed. Tehran: Donyaye Andisheh Publication, 2013.

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INVITED/KEYNOTE SPEAKER AND SCIENTIFIC COMMITTEE MEMBER

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