

# Curriculum Vitae

## PERSONAL BACKGROUND

- **Name:** Farid Azizi Jalilian
- **Date of Birth:** August 26, 1972
- **Sex:** Male
- **Marital Status:** Married
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## EDUCATION

- **Bachelor:** Azad University, Karaj, Iran.1996.  
Major: Microbiology. **GPA: 17.04/20**
- **Master Degree:** Tarbiat Modarres University, Tehran, Iran. 2003.  
Major: Medical Virology. **GPA: 19.08/20**
- **PhD Degree:** University Putra Malaysia, Malaysia. 2011.  
Major: Medical Virology. **GPA: 3.948/4**
- **Postdoctoral Fellowship:** Medical Virology, University Putra Malaysia, Malaysia. 2012

## ▪ CURRENT POSITION

- **Associate Professor** of Medical Virology, Department of Medical Virology, School of Medicine, Hamadan University of Medical Sciences, Hamedan, Iran
- **Head**, Department of Medical Virology, Faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran

## THESIS

- **MSc Thesis Title:** Comparison of cellular and humoral Immunity with SCHWARZ and AIK-C measles vaccine in nine months old infant in Ilam.
- **PhD Thesis Title:** Development of A Novel Oral Vaccine Against Human Respiratory Syncytial Virus
- **Post-doc Thesis Title:** The use of RNA Interference as a Novel Anti-Viral agent Against Respiratory Syncytial Virus

## PUBLICATION

1. SADEGHIFARD NK, SHEYKHIAN A, ASSLANI M, AZIZI JF. PREVALENCE OF GASTRO ENTERITIS DUE TO VEROTOXIGENIC E. COLI IN ILAM (AUTUMN, 1997). 2000.
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3. Abbasi N, Abdi M, Azizi Jalilian F, Seifmanesh M. Antimicrobial effect of extracts of *Scrophularia striata* on *Staphylococcus aureus* and *Pseudomonas aeruginosa* and comparison with selective effective antibiotics. Ilam: Ilam University of Medical Sciences. 2004.
4. Sadeghifard N, Azizi Jalilian F, Zaeimi Yazdi J. A long-period survey on nosocomial infections in Ilam University Hospitals, Iran. Pakistan journal of biological sciences. 2006;9(3):534-9.

5. Shams S, Jalilian F, Rabbanim A, Ashtiani M, Zaravi F. Incidence and causes of positive tests for reducing substances in urine of children. *Iranian Journal of Pediatrics*. 2006;16(1):71-7.
6. Abbasi N, Azizi Jalilian F, Abdi M, Saifmanesh M. A comparative study of the antimicrobial effect of *Scrophularia striata* Boiss. extract and selective antibiotics against *Staphylococcus aureus* and *Pseudomonas aeruginosa*. *Journal of Medicinal Plants*. 2007;6(21):10-8.
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10. Raftari M, Jalilian FA, Abdulmir A, Son R, Sekawi Z, Fatimah A. Effect of organic acids on *Escherichia coli* O157: H7 and *Staphylococcus aureus* contaminated meat. *The Open Microbiology Journal*. 2009;3:121.
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12. Raftari M, Jalilian F, Abdulmir A, Son R, Sekawy Z, Fatimah A. Novel approaches of *E. coli* O157: H7 decontamination. *Research Journal of Medical Sciences*. 2009;3(4):158-62.
13. Ali Q, Farid A, Kabeir B, Zamberi S, Shuhaimi M, Ghazali H, et al. Adhesion Ability of *Bifidobacterium longum* BB536 and *Bifidobacterium pseudocatenulatum* G4 with Acquired Resistance to Cholic Acid to Adhere to HT-29 Cell Line. *African Journal of Biotechnology*. 2009;8(19):5066-70.

14. Ali Q, Farid A, Kabeir B, Zamberi S, Shuhaimi M, Ghazali H, et al., editors. Adhesion and Adhesion Inhibition Properties of Bifidobacterium strains B. longum BB536 and B. pseudocatenulatum G4 on HT-29 Epithelium Cell Line. 19th European Congress of Clinical Microbiology and Infectious Diseases; 2009.
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entotoxigenic *Escherichia coli* and botulinum toxin. *Journal of Shahrekord University of Medical Sciences*. 2014;15(6):159-66.

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## ▪ BOOK

- Abdi M, Azizi Jalilian F. notes on Medical Bacteriology. Ilam Medical University Press. Ilam, **2003**.
- Gharagozli K, Azizi Jalilian F, Khoshraftar E, Amini R. Multiple Sclerosis (MS) Treatment Methods and Anesthesia. Hamadan Medical University Press, Hamadan, **2008**.
- Azizi Jalilian, F. The role of Viruses in pathogenesis of Diabetes and the treatment of diabetic foot with bacteriophages.**2021**

## ▪ INTERNATIONAL CONGRESS

- Dynamics of bacteriophage isolated against clinical methicillin resistant staphylococcus aureus (MRSA). **2017**, Tbilisi, Georgia.
- outcomes and students' viewpoints. **Association for Excellence in Medical Education (AEME)** **2014**, Lahore, Pakistan
- The effect of Paracetamol on human change liver cells **2012**, Bangkok, Thailand

infected by different dengue serotypes based on liver enzyme activity. **15<sup>th</sup> International Congress on Infectious Disease (ICID)**

- Phylogenetic analysis of human respiratory syncytial virus isolated from children with acute lower respiratory tract infections in Malaysia. **15<sup>th</sup> International Congress on Infectious Disease (ICID)** **2012**, Bangkok, Thailand
- A New Oral DNA Vaccine Delivered by *Salmonella typhi* Ty21a against Respiratory Syncytial Virus Infection. **6<sup>th</sup> Vaccine and ISV congress** **2012**, Shanghai, China
- A new multiepitope oral DNA vaccine delivered by *salmonella typhi* Ty21a against respiratory syncytial virus. **6<sup>th</sup> Vaccine and ISV congress** **2012**, Shanghai, China
- Dynamics of the bacterially expressed conserved immunogenic region of the human respiratory syncytial virus G protein Dynamics of the bacterially expressed conserved immunogenic region of the human respiratory syncytial virus G protein. **5<sup>th</sup> Vaccine Global Congress** **2011**, Seattle, USA
- Development of a novel oral DNA vaccine delivered by *Salmonella typhi* Ty21a against respiratory syncytial virus. **5<sup>th</sup> Vaccine Global Congress** **2011**, Seattle, USA
- Human Rhinoviruses Among Children Hospitalised With Acute Lower Respiratory Tract Infections. **32<sup>th</sup> Annual Congress of Malaysian Pediatric association** **2010**, Malaysia
- High Level of Immune System Induction Against Respiratory Syncytial Virus Using a Multivalent DNA Vaccine Delivered by *Salmonella Typhimurium* TY21a. **4<sup>th</sup> Vaccine Global Congress** **2010**, Vienna, Austria
- Adhesion and adhesion inhibition properties of *Bifidobacterium* strains *B. longum* BB536 and *B.* **2009**, Helsinki, Finland

Pseudocatenulatum G4 on HT-29 epithelium cell line.  
**(Publication) 19<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases.**

- Evaluation of Measles-Specific Humoral and Cell-Mediated Immunity in Infants Aged 9 Months after Vaccination with AIK-C and Schwarz Measles Vaccine Strains, in Ilam, Iran. **2006, Nice, France**  
**16<sup>th</sup> European Congress of Clinical Microbiology and Infectious Disease.**
- Study of nasal carriage rate of Staphylococcus aureus in hospital personnel in Ilam, Iran. **2006, Nice, France**  
**16<sup>th</sup> European Congress of Clinical Microbiology and Infectious Disease**
- Application of Lymphocyte Proliferation (LP) Assay and Viral Neutralization Test (VNT) For Measurement of Measles- specific Immunity. **2004, Canada**  
**12<sup>th</sup> International Congress of the Immunology**
- Comparison of cellular and humoral Immunity with SCHWARZ and AIK-C measles vaccine in nine months old infant in Ilam. **2004, Canada**  
**12<sup>th</sup> International Congress of the Immunology**
- Nosocomial infections in Ilam’s hospitals. **2004, Czech Republic**  
**14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Disease**

## ▪ AWARDS & HONORS

- A Commendation letter from president of 1st congress of Iranian Virology 2002
- A Commendation letter from president of Ilam University of medical Sciences 2004
- A Commendation letter from president of Ilam University of medical 2006

## Sciences

- A Commendation letter from president of Ilam University of medical Sciences 2013
- A Commendation letter from president of Ilam University of medical Sciences 2018
- A Commendation letter from president of Ilam University of medical Sciences 2019
- A Commendation letter from president of Ilam University of medical Sciences 2020
- First honor student in Master 2003
- Malaysian Graduate Research Fellowship (GRF) 2007-2009
- Grant Research Assistant (GRA) 2009-2010

## ▪ WORK EXPERIENCE

- Supervisor of Microbiology Laboratory in Ilam University 1996-2006
- Head of Biology Department, Payam Nour university, Ilam 2003-2006
- Consultant of Ilam Blood Transfusion Organization 2003-2006
- Establish of Virology group and master of virology at Hamadan University of Medical Sciences 2018
- Head of department of Medical virology, Faculty of Medicine, UMSHA 2018 - Present
- Establish of Coronavirus Diagnostic center at Hamadan University of Medical Sciences 2019
- Director of Coronavirus Diagnostic center at Hamadan University of Medical Sciences 2019-2022
- Establish of Educational, Research and diagnostic Center of emerging and re-emerging viral infectious disease 2021
- Director of Research Affairs at Ilam University of Medical Sciences 2012-2015
- Director of International affairs and universities relations 2015-2016

## ▪ Teaching Experiences

- Teaching Medical Bacteriology for Medical Students
- Teaching General Microbiology for Paramedical Students
- Teaching Medical Virology for Medical Students
- Teaching Medical Virology, Host–Pathogen Interaction, Molecular Diagnosis, systematic virology, clinical virology for Master and Ph.D students
- Teaching Medical Virology for international medical students

## ▪ TECHNICAL SKILLS

- **Bacteriological experiences including:** Culture, Biochemical, Serological and Molecular Tests
- **Diagnostic:** Medical Mycology and Protozoology
- **Virological experiences including:** Cell Culture (Different cell lines: Diploid and Cancer cells-adherent and suspension cells), Cell Cytotoxicity Assay, Virus Culture (wide range of viruses such as: RSV, PIV, NDV, Measles, Influenza, Adeno, Rhino Virus, Dengue) Virus Titration (PFU, FFU, TCID50)
- **Animal:** Mice, Rabbit
- **Molecular:** DNA & RNA Extraction, PCR, RT-PCR, Nested –PCR, Multiplex PCR, Real Time-PCR, siRNA, SDS-PAGE, Western Blotting, IHC, cloning and expression systems including bacterial and Pichia, protein purification, nonviral and viral delivery methods.
- **Immunological:** IFA, DFA, ELISA, Bioplex, LPT, flowcytometry (basic)

## ▪ RESEARCH INTEREST

- **Bacteriophages**
- Vaccine
- Natural products

- Molecular aspects of cancers
- Molecular Diagnosis of Viruses

## ▪ INVENTIONS

- Design and Construction of Green Semiautomatic Producer of Biogas and Fertilizer, 81140 2013
- Automatic adjustable device for transmission of different volumes of fluid by pipette,81138 2013
- Dual-purpose oscillating and radial laboratory mixer,81142 2013
- Hygenic and disposable syrup spoon and other medicines and oral liquids, 90402 2016
- **International Patent**
- The Newcastle Disease Virus (NDV) NP protein production in yeast 2010

## ▪ GENE RECORDS IN GEN BANK (NCBI)

- 43 submitted genes (different respiratory viruses: **Metapneumovirus, Bocavirus, Enterovirus D68, Rhinovirus A, Rhinovirus C**), 2011
- 25 submitted genes (different respiratory viruses: **Coxsackievirus A6, Coxsackievirus A16, Enterovirus A71**), 2013
- 40 submitted gene (COVID S gene mutation), 2021

## ▪ MEMBERSHIPS

- Member of International society for vaccine (ISV)
- Member of Iranian Society of Virology (ISV)
- Member of the National Virology Board (since 2019)

## ▪ HOBBIES

- Football
- Climbing
- Music
- Watching Movie
- Reading and Traveling