

# Mohammad Zareian Jahromi

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## Profile

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- Senior Lecturer with 21 years' experience teaching in Jahrom Azad University.
- Excellent organisational skills with strong process improvement and procedure analysis experience across different testing and sampling areas.
- Strong interest in R&D projects.

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## Technical Skills & Knowledge Areas

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ELISA	DNA & RNA extraction, PCR
Bioinformatic (Transcriptomics, Genomics,..)	Vaccine design
Drug design	Drug delivery system design
Western Blotting	Real time qPCR
Immune cell isolation and culture	SDS PAGE
Bacterial culture and tests	Immunophenotyping and Flow Cytometry
Immunohistochemistry	Excel, SPSS, GraphPad prism, Microsoft
Primer design	

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## Recent Experience, Responsibilities & Achievements

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### Lecturer – Jahrom Azad University

*The Islamic Azad University has 400 campuses and research centres in Iran, and four branches overseas, scattered over an area exceeding 20 million square meters, as well as a range of hospitals, laboratories, workshops, sports facilities, recreational areas and ITC facilities as well as Research funding opportunities.*

- Immunology and Lab
- Cellular and molecular Biology
- Genetic
- Bioinformatic
- lab animals (mice and chicken)

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## Education & Professional Development

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<b>Doctor of Philosophy (PhD)</b> – Molecular Biotechnology	University Putra, Malaysia	2018
<i>Thesis: Characterization of avian Intraepithelial Lymphocyte-Natural Killer (IEL-NK) cells and their functions during infectious bursal disease virus infection</i>		
<b>Master of Science (MSc)</b> – Immunology	Mashad University of Medical Science, Iran	1998
<i>Thesis: Characterization of T cells during HTLV-1 infection</i>		
<b>Bachelor of Science (BSc)</b> - Microbiology	Islamic Azad University, Iran	1993

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## Professional Attributes

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- An in-depth understanding of laboratory work, equipment and procedures, and competent using a wide variety of computer programs, applications. Able to get to grips with technical information quickly.
- Proven ability to handle data correctly and to process within agreed timeframes.
- Excellent organisation and time-management skills, and good levels of literacy and numeracy.
- Enjoys coaching and mentoring others – trusted by others to perform tasks successfully.
- Strong relationship building skills - able to build and maintain relationships with people from all cultures and backgrounds and at different levels within an organisation.
- Self-motivated, good initiative and a strong work ethic.

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## Recent Research Project

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### Research Leader

**Research title:** Characterization of T cells with superior purify from whole blood during CMV infection,

- Accepted in the second European congress of virology "Eurovirology 2004" 5-9 september spain Madrid  
Isolation and purification of Th and Tc cells, DNA and RNA extraction, PCR, qRT- PCR, Immunohistochemistry,

### Research Leader

- *Research title:* Prevalence of antibodies against Toxoplasma gondii arranged in thalassemia patients.
- Carried out bacterial isolation and culture, PCR, Western blotting, Gene cloning, ELISA, Molecular Biology techniques (DNA and RNA extraction, PCR, qRT- PCR).

### Research Leader


- *Research title:* Identification of individuals using STR sequences.
- Carried out Molecular Biology techniques (DNA and RNA extraction, PCR, qRT- PCR), gene cloning.

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## Selected Publications

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- **Zareian Jahromi M**, Omar A. R., S. K. Yeap, M. Hair-Bejo and M. Abdolmaleki (2018) Differential activation of intraepithelial lymphocyte-natural killer cells in chickens infected with very virulent and vaccine strains of infectious bursal disease virus. Accepted in Developmental and Comparative Immunology, June 2018
- Farid R., Baradaran H., **Zareian Jahromi M**, F. Farid, M. Etemadi,(1999) Evaluation of IL-2 receptor among HAM/TSP patients and HTLV-1 carriers in Mashad, Iran, Journal of Acquired Immune Deficiency Syndromes & Human Retrovirology 20(4):137-144
  - Abdolmaleki, M., Yeap, S.K., Tan, S.W., Satharasinghe, D.A., Bello, M.B., **Zareian Jahromi, M.**, Hair Bejo, M., Omar, A.R. and Ideris, A., (2018). Effects of Newcastle Disease Virus Infection on Chicken Intestinal Intraepithelial Natural Killer Cells. *Frontiers in Immunology*, 9, (1386).
- Kargar M, **Zareian Jahromi M**, Kargar M (2014) Allele Frequencies for Six STR Loci with Criminals in Fars Province, Iran. Biosciences Biotechnology Research Asia 11(3): 1785-1789.
- Nahavandi R, Hafezamini P, Moeini H, **Zareian Jahromi M**, Shamsudin M (2013) Population of bottleneck and microsatellite: An Analysis Based on genetic diversity of Wild Tiger Shrimp Penaeus monodon (Fabricius) in Malaysia. African Journal of Biotechnology 10 (74): 16715-16719.
- **Zareian Jahromi M**, Kargar M, Kargar M, Reyiszadeh S (2013) Frequency of Short Tandem Repeat Alleles in Prisoners in Fars Province, Iran. Journal of Isfahan Medical School 30 (216).

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- Kargar M, **Zareian Jahromi M**, Najafi A, Ghorbani-Dalini S (2014) Molecular detection of ESBLs production and antibiotic resistance patterns in Gram negative bacilli isolated from urinary tract infections. Indian Journal of Pathology and Microbiology 57(2): 244.
  - Kargar M, **Zareian Jahromi M**, Kargar M, Robati R (2014) Prevalence of Pathogenic Genes of Escherichia coli O157:H7 Strains from Patients with Urinary Tract Infections in Iran. Journal of Pure and Applied Microbiology 8(5).
  - Najafian M, **Zareian Jahromi M**, Nowroznejhad M, Khajeaian P, Kargar M, (2012) Phloridzin reduces blood glucose levels and improves lipids metabolism in streptozotocin-induced diabetic rats, Molecular biology reports 39 (5), 5299-5306