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# Mohammad Hossein Karimi

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* Associate professor of Immunology , Transplant Research Center, Shiraz University of Medical Sciences, Shiraz, Iran
* Former Direct Manager of Shiraz Blood Transfusion Organization (Fars Province)
* Vice Chancellor of Larestan University of Medical Sciences, Fars, Iran

<https://scholar.google.ca/citations?user=0WZhiyEAAAAJ&hl=en&oi=ao>

**Education:**

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| **Academic Year** | **Degree** | | **College/University** | |
| **2003-2009** | PhD Immunology | | **Tarbiat Modarres University, Immunology Department**    **Title of Thesis:**  **Generation of mice tolerogenic dendritic cell through inhibition of CD40 expression by antisense technique**  **in comparison with blocking antibody** | |
| **1995-1999** | **M.Sc Immunology** | | **Shiraz University of Medical Sciences,**  **Immunology Department**    **Title of Thesis:**  **Immunomodulatory effect of some medical herbal plants on immune system** | |
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| **1991-1995** | **B.A**  **Molecular and Cell Biology** | **Shiraz University, Biology Department** | |

**Professional Experiences:**

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| **Date** | **Type and Place of Service** |
| **June 2008** | **Six months trainig in Professor Gennaro De Libero's Lab and being instructed with western blotting, DNA extraction, PCR and screening of transgenic and knock out mice(experimental**  **Immunology,Departmen of Research-Basel- Switzerland)** |
| **2004-2005** | **Lecturer of Jahad-e-Daneshgahi, Iran University of Medical Sciences** |
| **1999-2002** | **Academy Staff of Jahrom University Of**  **Medical Sciences** |
| **2001** | **Supervisor of Medical Student Thesis Jahrom University of Medical Sciences** |

**Courses Taught:**

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| **Date** | **Course** | **Place** |
| **20004 -2005** | **Immunology** | **Jahad-e-Daneshgahi, Iran University of Medical Sciences** |
| **1999-**  **2002** | **Immunology, Microbiology** | **Jahrom University Of Medical**  **Sciences** |

**Publications:**

**Books:**

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| **Date** | **Title of Book** | **Publisher** |
| **2006** | The Best Point of Immunology | **Samat Publishing,**  **Tehran, Iran** |
| **2004** | Harrison, Rheumatology and | **Samat Publishing, Tehran,** |
|  | Immunology Section (Translation) | Iran |

**Paper Published in Journals:**

**English Papers:**

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| **Date** | **Title of Paper** | **Journal** |
| 2020 | [Development and biological assessment of MMAEtrastuzumab antibody-drug conjugates (ADCs).](https://pubmed.ncbi.nlm.nih.gov/32889587/) | Breast Cancer.(Review) |
| 2020 | [Gene Expression of Toll-Like Receptors 2 and 4 in Renal Transplant Rejection.](https://pubmed.ncbi.nlm.nih.gov/32799786/) | Exp Clin Transplant. |
| 2020 | [Rate of re-positive RT-PCR test among patients recovered from COVID-19.](https://pubmed.ncbi.nlm.nih.gov/32774117/) | Biochem Med (Zagreb). |
| 2020 | [T cell responses to an HLAA2-restricted adipophilin peptide correlate with BMI](https://pubmed.ncbi.nlm.nih.gov/32692717/)  [in patients with atherosclerosis.](https://pubmed.ncbi.nlm.nih.gov/32692717/) | Physiol Int |
| 2020 | [Key Regulatory miRNAs and their Interplay with Mechanosensing and](https://pubmed.ncbi.nlm.nih.gov/32430354/)  [Mechanotransduction](https://pubmed.ncbi.nlm.nih.gov/32430354/)  [Signaling Pathways in](https://pubmed.ncbi.nlm.nih.gov/32430354/)  [Breast Cancer Progression.](https://pubmed.ncbi.nlm.nih.gov/32430354/) | Mol Cancer Res (Review) |
| 2020 | [Effect of Cytomegalovirus](https://pubmed.ncbi.nlm.nih.gov/32224539/)  [Recombinant](https://pubmed.ncbi.nlm.nih.gov/32224539/)  [Phosphoprotein 150 (pp150) on Maturation and Function of Murine Dendritic Cells: an In-Vitro Study.](https://pubmed.ncbi.nlm.nih.gov/32224539/) | Iran J Immunol |

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| 2020 | [How hypoxia regulate exosomes in ischemic diseases and cancer microenvironment?](https://pubmed.ncbi.nlm.nih.gov/32196941/) | IUBMB Life.(Review) |
| 2020 | [The enhancing impact of amino termini of hepatitis C virus core protein on activation of hepatic stellate cells.](https://pubmed.ncbi.nlm.nih.gov/32190226/) | Gastroenterol Hepatol Bed Bench |
| 2020 | [Overexpression of microRNA-375 and](https://pubmed.ncbi.nlm.nih.gov/31882195/)  [microRNA-122 promotes the differentiation of human induced pluripotent stem cells into hepatocyte-like cells.](https://pubmed.ncbi.nlm.nih.gov/31882195/) | Biologicals |
| 2020 | [Cytoprotective effects of ginsenoside Rd on apoptosis-associated cell death in the isolated human pancreatic islets.](https://pubmed.ncbi.nlm.nih.gov/31611749/) | EXCLI J. |
| 2020 | [Potential drugs used in the antibody-drug conjugate (ADC) architecture for cancer therapy.](https://pubmed.ncbi.nlm.nih.gov/31215038/) | J Cell Physiol (Review) |
| 2020 | [MicroRNA-199a](https://pubmed.ncbi.nlm.nih.gov/31608976/)  [Upregulation Mediates](https://pubmed.ncbi.nlm.nih.gov/31608976/)  [Lumbar Intervertebral Disc](https://pubmed.ncbi.nlm.nih.gov/31608976/)  [Degeneration and is](https://pubmed.ncbi.nlm.nih.gov/31608976/)  [Associated with Clinical](https://pubmed.ncbi.nlm.nih.gov/31608976/)  [Grades of Degeneration.](https://pubmed.ncbi.nlm.nih.gov/31608976/) | Turk Neurosurg |
| 2019 | Fas, FasL and Foxp3 gene expression in post-liver transplant autoimmune hepatitis patients with and without acute rejection | Clin Exp Hepatol. |

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| 2019 | [Emerging roles of exosomal miRNAs in breast cancer drug resistance.](https://pubmed.ncbi.nlm.nih.gov/31322822/) | IUBMB Life |
| 2019 | [Amelioration of the apoptosis-mediated death in isolated human pancreatic islets by minocycline.](https://pubmed.ncbi.nlm.nih.gov/31265840/) | Eur J Pharmacol |
| 2019 | The Effect of Mesenchymal Stem  Cells on the Expression of IDO and Qa2 Molecules in Dendritic Cells | Adv Pharm Bull. |
| 2019 | Association of IL-12 and TNF-α  Polymorphisms with Graft-Versus-  Host Disease in Allogeneic  Hematopoietic Stem Cell Transplant Recipient | Int J Organ Transplant Med |
| 2019 | Improved Function and Maturation of Dendritic Cells Stimulated by Recombinant pp65 Protein: An invitro Design | Iran J Immunol |
| 2019 | [Cytoprotective effects of olesoxime on isolated human pancreatic islets in order to attenuate apoptotic pathway.](https://pubmed.ncbi.nlm.nih.gov/30784942/) | Biomed Pharmacother |
| 2019 | [Increasing of the interferonγ gene expression during polyomavirus BK infection in kidney transplant patients](https://pubmed.ncbi.nlm.nih.gov/30769026/) | Microb Pathog |

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| 2018 | Evaluation of Interleukin21, 23 and 27 mRNA expression and protein level in liver transplant  patients | Iran J Allergy Asthma Immunol |
| 2018 | Efficient Production of  Hepatocyte-like Cells from  Human-induced Pluripotent Stem  Cells by Optimizing Growth  Factors | Int J Organ Transplant Med. |
| 2018 | Association between *IRF1* Gene  Expression and Liver Enzymes in  HBV-infected Liver Transplant  Recipients with and without  Experience of Rejection | Int J Organ Transplant Med. |
| 2018 | [The Effect of Mesenchymal Stem](https://www.ncbi.nlm.nih.gov/pubmed/30023331)  [Cell-Derived Microvesicles on](https://www.ncbi.nlm.nih.gov/pubmed/30023331)  [Erythroid Differentiation of Umbilical Cord Blood-Derived CD34+ Cells.](https://www.ncbi.nlm.nih.gov/pubmed/30023331) | Adv Pharm Bull. Jun;8(2):291-296 |
| 2018 | [NF-κB1 Rs28362491 Mutant Allele Frequencies along the Silk Road and Beyond.](https://www.ncbi.nlm.nih.gov/pubmed/29845028) | Iran J Public Health. Mar;47(3):397-  406 |

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| 2018 | [Differentiation of umbilical cord derived mesenchymal stem cells to hepatocyte cells by transfection of miR-106a, miR-574-3p, and miR-451.](https://www.ncbi.nlm.nih.gov/pubmed/29763649) | Gene Aug 15;667:1-9 |
| 2018 | Associations of ICOS and PD.1  Gene Variants with Colon Cancer  Risk in The Iranian Population | [Asian Pac J Cancer Prev. M](https://www.ncbi.nlm.nih.gov/pubmed/29580042)ar 27;19(3):693-698. |
| 2018 | [Gene Expression Profile of Toll- Like Receptor/Adaptor/Interferon](https://www.ncbi.nlm.nih.gov/pubmed/29534658)  [Regulatory Factor/Cytokine Axis](https://www.ncbi.nlm.nih.gov/pubmed/29534658)  [During Liver Regeneration After Partial Ischemia-Reperfusion Injury.](https://www.ncbi.nlm.nih.gov/pubmed/29534658) | Exp Clin Transplant. 2018 Mar |
| 2018 | [mRNA Expression of Interferon Regulatory Factors during Acute](https://www.ncbi.nlm.nih.gov/pubmed/29531645)  [Rejection of Liver Transplants in](https://www.ncbi.nlm.nih.gov/pubmed/29531645)  [Patients with Autoimmune Hepatitis.](https://www.ncbi.nlm.nih.gov/pubmed/29531645) | Int J Organ Transplant Med.;9(1):34-40. |
| 2018 | [Plasma CXCL1 levels and TRAF3IP2 variants in patients with myocardial infarction.](https://www.ncbi.nlm.nih.gov/pubmed/29430728) | J Clin Lab Anal. 2018 Feb 12 |
| 2017 | [CD40 Knocked Down](https://www.ncbi.nlm.nih.gov/pubmed/29276180)  [Tolerogenic Dendritic Cells Decrease Diabetic Injury.](https://www.ncbi.nlm.nih.gov/pubmed/29276180) | Iran J Immunol. Dec;14(4):270-280 |
| 2017 | [Evaluating mRNA Expression](https://www.ncbi.nlm.nih.gov/pubmed/28969526)  [Levels of the TLR4/IRF5 Signaling Axis During Hepatic Ischemia-Reperfusion Injuries.](https://www.ncbi.nlm.nih.gov/pubmed/28969526) | Exp Clin Transplant Sep |

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| 2017 | [Mesenchymal stem cells can induce regulatory T cells via modulating miR-126a but not miR-10a.](https://www.ncbi.nlm.nih.gov/pubmed/28600182) | Gene Sep 5;627:327-336 |
| 2017 | [IL-23 Gene and Protein](https://www.ncbi.nlm.nih.gov/pubmed/28341820)  [Expression in Childhood Asthma](https://www.ncbi.nlm.nih.gov/pubmed/28341820) | Iran J Immunol. 2017;14(1):73-80. |
| 2017 | TGF-Β1 Transduced Mesenchymal  Setm Cells Have Profound  Modulatory Effects on DCs and T  Cells | Iran J Immunol 14(1):13-23 |
| 2017 | [Leukemia microvesicles affect healthy hematopoietic stem cells.](https://www.ncbi.nlm.nih.gov/pubmed/28218044) | Tumour Biol.;39(2) |
| 2017 | [TGF-β engineered mesenchymal stem cells (TGF-β/MSCs) for treatment of Type 1 diabetes (T1D) mice model.](https://www.ncbi.nlm.nih.gov/pubmed/28110219) | Int Immunopharmacol. ;44:191-  196 |
| 2016 | [A Survey on the Prevalence of](https://www.ncbi.nlm.nih.gov/pubmed/28070197)  [Depression in Blood Donors with](https://www.ncbi.nlm.nih.gov/pubmed/28070197)  [Hepatitis C in Shiraz](https://www.ncbi.nlm.nih.gov/pubmed/28070197) | Hepat Mon. 6;16(11):e31080 |
| 2017 | [Mesenchymal stem cells increase skin graft survival time and up- regulate PD-L1 expression in splenocytes of mice.](https://www.ncbi.nlm.nih.gov/pubmed/28069488) | Immunol Lett. ;182:39-49 |

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| 2016 | [Polymorphisms of the Costimulatory](https://www.ncbi.nlm.nih.gov/pubmed/28031007)  [Genes CTLA-4, CD28, PD-1, and](https://www.ncbi.nlm.nih.gov/pubmed/28031007)  [ICOS and Outcome of Kidney](https://www.ncbi.nlm.nih.gov/pubmed/28031007)  [Transplants in Iranian Patients.](https://www.ncbi.nlm.nih.gov/pubmed/28031007) | Exp Clin Transplant. |
| 2016 | [Effect of Mesenchymal Stem Cells on ILT3 Expression in the](https://www.ncbi.nlm.nih.gov/pubmed/27999239)  [Splenocytes of Skin Graft Recipient Mice.](https://www.ncbi.nlm.nih.gov/pubmed/27999239) | Iran J Immunol. ;13(4):274-288 |
| 2016 | [The role of microRNAs in islet β-cell development.](https://www.ncbi.nlm.nih.gov/pubmed/27743454) | Cell Biol Int.;40(12):1248-1255  Review |
| 2016 | [The Association Between Viral](https://www.ncbi.nlm.nih.gov/pubmed/27800130)  [Infections and Co-stimulatory Gene Polymorphisms in Kidney Transplant Outcomes.](https://www.ncbi.nlm.nih.gov/pubmed/27800130) | Jundishapur J Microbiol.  17;9(8):e31338 |
| 2017 | [Mesenchymal Stem Cells Upregulate the Expression of PD-L1 But Not VDR in Dendritic Cells.](https://www.ncbi.nlm.nih.gov/pubmed/27736253) | Immunol Invest. ;46(1):80-96 |
| 2016 | [Association of GSTO2 (N142D) Genetic Polymorphism and Acute Rejection of Liver.](https://www.ncbi.nlm.nih.gov/pubmed/27721965) | Int J Organ Transplant Med.  ;7(3):183-187 |
| 2016 | [A study on confidential unit exclusion at Shiraz Blood Transfusion Center, Iran](https://www.ncbi.nlm.nih.gov/pubmed/27605850) | Asian J Transfus Sci. 10(2):132-  5 |

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| 2016 | [Evaluating Effect of Mesenchymal Stem Cells on Expression of TLR2 and TLR4 in Mouse DCs.](https://www.ncbi.nlm.nih.gov/pubmed/27478779) | Adv Pharm Bull. ;6(2):179-86 |
| 2016 | [miR-4284 and miR-4484 as Putative Biomarkers for Diffuse Large B-Cell Lymphoma.](https://www.ncbi.nlm.nih.gov/pubmed/27365556) | Iran J Med Sci.;41(4):334-9. |
| 2016 | [Role of cytomegalovirus on the maturation and function of monocyte derived dendritic cells of liver transplant patients.](https://www.ncbi.nlm.nih.gov/pubmed/27358779) | World J Transplant. 4;6(2):336- 46. |
| 2016 | [Expression Profile of Interferon](https://www.ncbi.nlm.nih.gov/pubmed/27310137)  [Regulatory Factor 1 in Chronic](https://www.ncbi.nlm.nih.gov/pubmed/27310137)  [Hepatitis B Virus-Infected Liver Transplant Patients.](https://www.ncbi.nlm.nih.gov/pubmed/27310137) | Exp Clin Transplant. |
| 2016 | [Decline in Immunological Responses](https://www.ncbi.nlm.nih.gov/pubmed/27018762)  [Mediated by Dendritic Cells in Mice](https://www.ncbi.nlm.nih.gov/pubmed/27018762)  [Treated with 18α-Glycyrrhetinic Acid.](https://www.ncbi.nlm.nih.gov/pubmed/27018762) | Immunol Invest. ;45(3):191-204 |
| 2016 | [Association of the Interleukin-27](https://www.ncbi.nlm.nih.gov/pubmed/26925776)  [Gene Expression and Hepatitis B Virus Infection in Liver Transplanted Patients.](https://www.ncbi.nlm.nih.gov/pubmed/26925776) | Exp Clin Transplant. |
| 2015 | [Leukemia cell microvesicles promote survival in umbilical cord blood hematopoietic stem cells.](https://www.ncbi.nlm.nih.gov/pubmed/26862318) | EXCLI J. 13;14:423-9. |

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| 2015 | [Differentiation of Definitive](https://www.ncbi.nlm.nih.gov/pubmed/26855729)  [Endoderm from Human Induced Pluripotent Stem Cells on hMSCs Feeder in a Defined Medium.](https://www.ncbi.nlm.nih.gov/pubmed/26855729) | Avicenna J Med Biotechnol |
| 2015 | [PDL-1/PDL-2 blockade in mice dendritic cells by RNAi techniques to induce antitumor immunity.](https://www.ncbi.nlm.nih.gov/pubmed/26599163) | Immunotherapy. ;7(11):1145-58 |
| 2014 | [The effect of exercise training on quality and quantity of sleep and lipid profile in renal transplant patients: a randomized clinical trial.](https://www.ncbi.nlm.nih.gov/pubmed/25426284) | Int J Organ Transplant Med.  5(4):157-65 |
| 2014 | [Maturation state and function of monocyte derived dendritic cells in liver transplant recipients.](http://www.ncbi.nlm.nih.gov/pubmed/25266001) | Iran J Immunol. 11(3):153-65 |
| 2014 | [Immunomodulatory effects of mice mesenchymal stem cells on maturation and activation of dendritic cells.](http://www.ncbi.nlm.nih.gov/pubmed/25266003) | Iran J Immunol.;11(3):177-88 |
| 2014 | [Polymorphism of the IL-18 and CD40 genes and Liver Transplant Outcome in Iranian Patients.](http://www.ncbi.nlm.nih.gov/pubmed/25426283) | Int J Organ Transplant Med.;5(4):149-54. |
| 2015 | [Plant components for immune modulation targeting dendritic cells: implication for therapy.](http://www.ncbi.nlm.nih.gov/pubmed/25428644) | Immunotherapy.;6(10):1037-53.  Review. |

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| 2015 | [Effect of CD40 silenced dendritic cells by RNA interference on mice skin allograft rejection.](http://www.ncbi.nlm.nih.gov/pubmed/25713987) | Immunotherapy.;7(2):111-8. |
| 2015 | [Down-regulation of TLR2, 3, 9 and](http://www.ncbi.nlm.nih.gov/pubmed/25780885)  [Signaling Mediators, MyD88 and](http://www.ncbi.nlm.nih.gov/pubmed/25780885)  [TRIF, Gene Transcript Levels in](http://www.ncbi.nlm.nih.gov/pubmed/25780885)  [Patients with Kawasaki Disease Treated with IVIG.](http://www.ncbi.nlm.nih.gov/pubmed/25780885) | Iran J Allergy Asthma  Immunol.;14(2):188-97. |
| 2015 | [IL-17 mRNA expression and cytomegalovirus infection in liver transplant patients.](http://www.ncbi.nlm.nih.gov/pubmed/25894133) | Exp Clin Transplant. |
| 2015 | Re: [Association of programmed cell death 1 and programmed cell death 1 ligand gene polymorphisms with delayed graft function and acute rejection in kidney allograft recipients.](http://www.ncbi.nlm.nih.gov/pubmed/25957433) | Iran J Kidney Dis.;9(3):263-5 |
| 2015 | [The Incidence Rate of Acute](http://www.ncbi.nlm.nih.gov/pubmed/26036919)  [Transfusion Reactions in](http://www.ncbi.nlm.nih.gov/pubmed/26036919)  [Thalassemia Patients Referred to the](http://www.ncbi.nlm.nih.gov/pubmed/26036919)  [Shiraz Thalassemia Centre, Shiraz,](http://www.ncbi.nlm.nih.gov/pubmed/26036919)  [Iran, Before and After the](http://www.ncbi.nlm.nih.gov/pubmed/26036919)  [Establishment of the Hemovigilance System.](http://www.ncbi.nlm.nih.gov/pubmed/26036919) | Hemoglobin. ;39(4):274-80. |
| 2015 | [In vitro inhibitory effects of thymol and carvacrol on dendritic cell activation and function.](http://www.ncbi.nlm.nih.gov/pubmed/26067828) | Pharm Biol. 12:1-8 |

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| 2015 | [Tolerance Induction in Liver.](http://www.ncbi.nlm.nih.gov/pubmed/26082828) | Int J Organ Transplant Med.  2015;6(2):45-54. Review |
| 2015 | [Generation of Islet-like Cell](http://www.ncbi.nlm.nih.gov/pubmed/26082830)  [Aggregates from Human Adipose](http://www.ncbi.nlm.nih.gov/pubmed/26082830)  [Tissue-derived Stem Cells by](http://www.ncbi.nlm.nih.gov/pubmed/26082830)  [Lentiviral Overexpression of PDX-1](http://www.ncbi.nlm.nih.gov/pubmed/26082830) | Int J Organ Transplant  Med.;6(2):61-76 |
| 2015 | [Association of GSTO2 (N142D),](http://www.ncbi.nlm.nih.gov/pubmed/26103006)  [GSTT1, and GSTM1 Polymorphisms](http://www.ncbi.nlm.nih.gov/pubmed/26103006)  [With Graft-Versus-Host Disease in Allogeneic Hematopoietic Stem Cell Transplant Recipients.](http://www.ncbi.nlm.nih.gov/pubmed/26103006) | Exp Clin Transplant. |
| 2015 | [Differentiation of Human-Induced](http://www.ncbi.nlm.nih.gov/pubmed/26103160)  [Pluripotent Stem Cells Into Insulin- Producing Clusters by MicroRNA-7.](http://www.ncbi.nlm.nih.gov/pubmed/26103160) | Exp Clin Transplant. |
| 2015 | Evaluation of Immunomodulatory  Effects of Mesenchymal Stem Cells Soluble Factors on miR-155 and miR-23b Expression in Mice Dendritic Cells. | [Immunol Invest.;](http://www.ncbi.nlm.nih.gov/pubmed/26107743)44(5):427-37 |
| 2012 | [Human Bone Marrow-derived Mesenchymal Stem Cell: A Source for Cell-Based Therapy.](http://www.ncbi.nlm.nih.gov/pubmed/25013621) | Int J Organ Transplant Med.  3(1):32-41. |

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| 2013 | [Glutathione S-transferase Omega 2](http://www.ncbi.nlm.nih.gov/pubmed/25013648)  [Genetic Polymorphism and Risk of](http://www.ncbi.nlm.nih.gov/pubmed/25013648)  [Hepatic Failure that Lead to Liver](http://www.ncbi.nlm.nih.gov/pubmed/25013648)  [Transplantation in Iranian Population.](http://www.ncbi.nlm.nih.gov/pubmed/25013648) | Int J Organ Transplant Med.  4(1):16-20. |
| 2013 | Association of the costimulatory molecule gene polymorphisms and active cytomegalovirus infection in hematopoietic stem cell transplant patients. | [Mol Biol Rep.;](http://www.ncbi.nlm.nih.gov/pubmed/24057239)40(10):5833-42 |
| **2014** | [Cytokine single nucleotide polymorphisms in patients' with gallstone: dose TGF-β gene variants affect gallstone formation?](http://www.ncbi.nlm.nih.gov/pubmed/24078093) | Mol Biol Rep. 40(11):6256-60. |
| **2014** | [Combined analysis of cytokine gene polymorphism and the level of expression with allograft function in kidney transplant recipients.](http://www.ncbi.nlm.nih.gov/pubmed/24211680) | Transpl Immunol.;30(1):46-51 |
| **2014** | [Tolerogenic dendritic cells produced by lentiviral-mediated CD40- and interleukin-23p19-specific shRNA can ameliorate experimental autoimmune encephalomyelitis by suppressing T helper type 17 cells.](http://www.ncbi.nlm.nih.gov/pubmed/24387596) | Clin Exp Immunol. 176(2):180-  9 |
| **2014** | [Phenotypic and functional maturation of murine dendritic cells induced by 18 alpha- and beta-glycyrrhetinic acid.](http://www.ncbi.nlm.nih.gov/pubmed/24294902) | Immunopharmacol  Immunotoxicol. 36(1):52-60 |

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| **2014** | [Differentiation of Human-Induced](http://www.ncbi.nlm.nih.gov/pubmed/24417176)  [Pluripotent Stem Cells Into](http://www.ncbi.nlm.nih.gov/pubmed/24417176)  [Insulin-Producing Clusters.](http://www.ncbi.nlm.nih.gov/pubmed/24417176) | Exp Clin Transplant.  13(1):68-75 |
| **2014** | [Polymorphism of costimulatory molecules (CTLA4, ICOS, PD.1 and CD28) and allogeneic hematopoietic stem cell transplantation in Iranian patients.](http://www.ncbi.nlm.nih.gov/pubmed/24564845) | Immunol Invest.;43(4):391-404 |
| **2014** | [The effects of cichorium intybus extract on the maturation and activity of dendritic cells.](http://www.ncbi.nlm.nih.gov/pubmed/24564889) | Daru. 24;22(1):28. |
| **2014** | [Interleukin-17 gene expression and serum levels in acute rejected and non-rejected liver transplant patients.](http://www.ncbi.nlm.nih.gov/pubmed/24632586) | Iran J Immunol. ;11(1):29-39. |
| **2014** | [Immunostimulatory effects of Leishmania infantum HSP70 recombinant protein on dendritic cells in vitro and in vivo.](http://www.ncbi.nlm.nih.gov/pubmed/24896626) | Immunotherapy 6(5):577-85 |
| **2014** | [HLA-DRBl and susceptibility to kidney allograft rejection in Southern Iranian patients.](http://www.ncbi.nlm.nih.gov/pubmed/24903971) | Mol Biol Rep. 41(8):5513-8 |

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| **2014** | [Association of IL-17 gene polymorphisms and serum level with graft versus host disease after allogeneic hematopoietic stem cell transplantation.](http://www.ncbi.nlm.nih.gov/pubmed/24968286) | Cytokine. 69(1):120-4 |
| **2014** | [Differentiation of Human Induced](http://www.ncbi.nlm.nih.gov/pubmed/25059983)  [Pluripotent Stem Cells into Insulin- Like Cell Clusters with miR-186 and miR-375 by using chemical transfection.](http://www.ncbi.nlm.nih.gov/pubmed/25059983) | Appl Biochem Biotechnol.  174(1):242-58 |
| **2014** | [miR-375 induces human decidua basalis-derived stromal cells to become insulin-producing cells.](http://www.ncbi.nlm.nih.gov/pubmed/25169436) | Cell Mol Biol Lett. 19(3):483-  99 |
| **2013** | Association of cytokine/costimulatory molecule polymorphism and allograft rejection: a comparative review | Expert Rev Clin Immunol.  9(11):1099-112 |
| **2014** | Study of the relationships between  IL-23R, IL-17, IL-21 polymorphisms and serum level  of IL-17، IL-21 with acute graft rejection in Iranian liver transplant recipients | Immunol Invest 43(1):69-85 |

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| **2013** | [Structural and functional effects of circular permutation on firefly luciferase: in vitro assay of caspase 3/7.](http://www.ncbi.nlm.nih.gov/pubmed/23597706) | Int J Biol Macromol |
| **2013** | [Association of IL-17, IL-21, and](http://www.ncbi.nlm.nih.gov/pubmed/23656167)  [IL-23R Gene Polymorphisms with](http://www.ncbi.nlm.nih.gov/pubmed/23656167)  [HBV Infection in Kidney Transplant Patients.](http://www.ncbi.nlm.nih.gov/pubmed/23656167) | Viral Immunology 26(3):201-  6 |
| **2013** | [Influence of GSTO2 (N142D) genetic polymorphism on acute renal rejection.](http://www.ncbi.nlm.nih.gov/pubmed/23649768) | Mol Biol Rep40(8):4857-60 |
| **2012** | Polymorphisms of the programmed cell death 1 and ICOS genes and kidney transplant rejection in Iranian patients | African Journal of Microbiology Research |
| **2013** | Relation Between Costimulatory Molecule Polymorphism and Hepatitis B Infections in  Hematopoietic Stem Cell  Transplant Recipients | Exp Clin Transplan  12(4):357- 66 |
| 2012 | Evaluation of the  Immunomodulatory  Effect of Curdlan on Maturation and Function of Mouse Spleen-  Derived Dendritic Cells | Iran J Immunol.; 9:168-74 |

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| **2012** | The effect of glycyrrhizin on maturation and T cell stimulating activity of dendritic cells | Cellular Immunology 280  44–49 |
| **2012** | [Immunomodulatory activity of the water extract of Thymus vulgaris, Thymus daenensis, and Zataria multiflora on dendritic cells and T cell responses.](http://www.ncbi.nlm.nih.gov/pubmed/22963488) | J Immunoassay Immunochem. 33(4):388- 402. |
| **2012** | [Intrascrotal solitary neurofibroma: A case report and review of the literature](http://www.ncbi.nlm.nih.gov/pubmed/22629013) | Urol Ann. 4(2):119-21 |
| **2012** | [Parsley and immunomodulation](http://www.ncbi.nlm.nih.gov/pubmed/22607173) | Expert Rev Clin Immunol.  8(4):295-7. |
| **2012** | [Association of genetic variation in co-stimulatory molecule genes with outcome of liver transplant in Iranian patients.](http://www.ncbi.nlm.nih.gov/pubmed/22579879) | Gene;504(1):127-32. |
| **2012** | [Vitamin D Receptor Genotype in](http://www.ncbi.nlm.nih.gov/pubmed/22537064)  [Pancreas Allograft: A Pilot Study.](http://www.ncbi.nlm.nih.gov/pubmed/22537064) | Exp Clin Transplant.  10(5):487-91 |

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| **2011** | [Generation of immunogenic and tolerogenic clinical-grade dendritic cells (Review).](http://www.ncbi.nlm.nih.gov/pubmed/22105838) | Immunol Res;51(2-3):153- 60. |
| **2012** | DNA viral infections and transient bone marrow failure in southern Iran | African Journal of  Microbiology Research |
| **2012** | Study the prevalence of TT virus infection in patients with hematological malignancy | African Journal of Microbiology Research |
| **2011** | Endothelial nitric oxide synthase gene T-786 polymorphism in renal transplant recipients | International Journal of Organ Transplantation Medicine 2(2):87-92. |
| **2011** | Association of the Co-stimulatory  Molecules Polymorphisms with  CMV Infection in Liver Transplant Recipient. | International Journal of Organ Transplantation  Medicine 2(4):171-77 |
| **2012** | Polymorphisms in cytokine genes and their association with acute rejection and pathogenesis of hepatitis B and C in Iranian liver transplant recipients | Lab Medicine 43(5):181-88 |
| **2012** | Investigation of PD-1 gene polymorphism in a group of Iranian patients with colorectal cancer | Lab Medicine |
| **2011** | The Molecular and Antigenic  Tissue Impact of Viral  Infectionson Liver Transplant  Patients with Neonatal Hepatitis | International Journal of Organ Transplantation  Medicine 2, 108-115 |
| **2012** | Immunomodulatory effect of Parsley (Petroselinum rispum) essential oil on immune cells:  mitogen activated splenocytes and peritoneal macrophages | Immunopharmacology And Immunotoxicology Journal  34(2):303-8 |
| **2012** | CD40 and Tolerance Induction  (Review) | Iran J Allergy Asthma  Immunol 11(1):1-13 |
| **2012** | A study of the Impact of Cytokine  Gene Polymorphism in Acute  Rejection of Renal Transplant  Recipients | Mol Biol Rep 39:505-15 |
| **2011** | [Hematologic and biochemical indices and viral hepatitis in liver transplant patients.](http://www.ncbi.nlm.nih.gov/pubmed/21440777) | Transplantation Proceeding  43(2):612-4 |
| 2010 | Association of IL-6 promoter and  IFN-γ gene polymorphisms with acute rejection of liver transplantation | Mol Biol Rep 38(7):4437-43 |

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| 2010 | The Prevalence of Anticardiolipin  Antibodies and Antisperm  Antibodies in Patients with  Recurrent  Spontaneous Abortion | IRCMJ; 12(5):582-584 |
| 2010 | Comparison of Three Techniques for Generation of Tolerogenic Dendritic Cells:  siRNA, Oligonucleotide  Antisense, and Antibody Blocking | Hybridoma |
| 2010 | Tolerance Induction by CD40  Blocking through Specific  Antibody in Dendritic Cells | Iran J Allergy Asthma  Immunol.;9(3):141-7 |
| 2010 | [CD40 expression in Wehi-164 cell line.](http://www.ncbi.nlm.nih.gov/pubmed/20496113) | Cytotecnology 62(3):195-9 |
| 2010 | Inhibition of Angiogenesis by Recombinant VEGF Receptor  Fragment | LABMEDICINE 41(7), 13-  18 |
| 2010 | [The IFN-alpha allele is correlated to moderate-to-severe acute graft- versus-host disease after allogeneic stem cell transplant](http://www.ncbi.nlm.nih.gov/pubmed/20565368) | Experimental clinical Transplantation, 8,125-9 |
| 2009 | Immune Modulation Through  RNA Interference-mediated  Silencing of CD40 in Dendritic  Cells | Cellular Immunology 259,  74-81 |
| 2009 | Tolerance Induction by CD40  Silenced Dendritic Cells Through  Antisense | IRCMJ. 11(3),1-9 |
| 2009 | The Efficiency of CD40 Down  Regulation by siRNA and  Antisense ODN: Comparison  Of Lipofectamine and FuGENE6 | Iran. J. Immunol. 6 (1), 1-11 |
| 2002 | Cytotoxic activity of thymus vulgaris achillea millefolium and thuja orientalis on different growing cell line | Medical Journal of The  Islamic Republic of Iran  15(4),149-53 |
| 2000 | Evaluation immuno modulatory effects of five herbal plants | Journal ethnopharmacology,  167-72 |

**Persian Papers:**

**Paper Presented:**

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| **Date of Conference** | **Title of presented paper** | **Type of presentation** | **Conference** |
| 22-27 Aug  2013 | Study of IL-23 expression level in liver transplanted patients | Poster | 15th International  Congress of  Immunology |
| 22-27 Aug  2013 | Expression of TLR2, 3, 9, MYD88 and TRIF in Kawasaki patients before and after IVIG therapy | Poster | 15th International  Congress of  Immunology |

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| 29 Apr-2 May  2014 | The effect of a selected exercise on Interferon-Gamma and body composition,of kidney transplant patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Polymorphisms of the CD40, IL-18 genes and kidney transplant  rejection in Iranian patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Evaluation of themRNA level of TLR2 in acute rejectedliver  transplant patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | The effects of selected physical activities on Interleukin 17 and 23  and the body  composition of renal transplant patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Association of IL-17 genetic polymorphism with post hematopoietic stem cell transplant clinical outcomes. | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | The role of HLA-DRB1 molecules on susceptibility to renal disease and kidney transplant outcome | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Study of the Relationships between ICOS gene polymorphisms with polyomavirus BK  infection in autologus bone marrow  transplant patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Evaluation of the relationships between genetic polymorphism of  CTLA-4 gene with outcome of TTV infection in bone marrow transplant patients. | Poster | 12th International  Congress of  Immunology and Allergy Iran |

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| 29 Apr-2 May  2014 | Generation of insulin-producing cells from adult stem cells by  lentiviral PDX1 | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | The effect of miR-375 in producing Islet Like Cell Clusters | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Increase of IL-21 expression level in acute rejection experiencing liver transplant patients | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Serum levels of vascular endothelial growth factor (VEGF) and its soluble receptors  sVEGFR-1 and sVEGFR-2 in  patients with Behcet’s Disease | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | The HCV NS3 protein longitude Adenoviral vector maintenance in liver by immune modulation through protease  activity | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Association of the polyomavirus BK infection with CTLA4 genetic polymorphisms in kidney transplant patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | Phenotypic and functional maturation of murine dendritic cells induced by 18 alphaand beta-glycyrrhetinic acid | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | In Vivo effects of 18α-  Glycyrrhetinic acid on phenotypic and functional properties of  dendritic cells | Poster | 12th International  Congress of  Immunology and Allergy Iran |

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| 29 Apr-2 May  2014 | The Immunomodulatory Effect of Bone Marrow Mesenchymal Stem  Cells on Expression of TLR2 and TLR4 in Mice  Dendritic Cells | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May  2014 | The phenotype of monocyte derived dendritic cells in reject and non reject liver transplant  patients | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May 2014 | Tolerogenic dendritic cells produced by lentiviral-mediated CD40- and IL-23p19- specific shRNA can ameliorate experimental autoimmune encephalomyelitis by suppressing  Th17 cells | Oral | 12th International  Congress of  Immunology and Allergy Iran |
| 29 Apr-2 May 2014 | Study of the relationships between  PD.1 and ICOS gene variants with colorectal cancer | Poster | 12th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | MicroRNA and Transplantaion | Oral | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Glycyrrhizin Induces Dendritic Cells Maturation and IL-12 Production | Oral | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Assosiation of GSTO2 (N142D) Polymorphisms and Liver Acute  Rejection in Iranian Population | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Role of CD4 Gene Expression in Liver Transplant Rejection | Poster | 11th International  Congress of  Immunology and Allergy Iran |

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| 26-29 APR 2012 | Evaluation of the CTLA-4 Gene  Polymorphisms in Graft survival of Kidney Transplant Patients | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Study of the Relationships between  Genotype Polymorphisms of PD-1,  CD28, and ICOS Genes with Acute  Rejection in Kidney Transplant Patients | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Assosiation of GSTO2 (N142D)  Polymorphisms and Incidence of  Acute GVHD Bone Marrow Transplantation | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Influence of GSTO2 (N142D)  Polymorphisms on Acute Renal  Allograft Rejection in Iran Population | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Evalution of the Relationships between Genotype Polymorphisms of PD1, CD28, and ICOS Genes with  Outcome of HBV Infection in Bone Marrow Transplant Patients | Poster | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Expression CD44 and CD74 in Liver Transplanted Cases | Oral | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Association of the IL-17 ,IL-21 and  IL-23R Genetic Polymorphisms with  HBV Infection in Kidney Transplant Recipients | Oral | 11th International  Congress of  Immunology and Allergy Iran |
| 26-29 APR 2012 | Study of the relationships between  IL-23R ,IL-17 and IL-21  Polymorphisms with Acute Graft  Rejection in Kidney Transplant Recipients | Oral | 11th International  Congress of  Immunology and Allergy Iran |

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| 23-25 Nov 2011 | Evaluation of the relationships between genotype polymorphisms of  CTLA-4 gene with outcome of HBV infection in bone marrow transplant  patients | poster | 4th international Tehran hepatitis congress |
| 2-4 Nov 2011 | Investigation of curdlan effects on maturation spleen derived dendritic  cells | Poster | The 8th biennial congress of  Iranian society of  Asthma and  allergy |
| 8-10 Nov 2011 | Association of the co-stimulatory molecules polymorphisms with HBV infection in liver transplant recipient | poster | The 5th Iranian congress of clinical microbiology |
| 17-19 May 2011 | ASSOCIATION OF THE GENETIC POLYMORPHISM OF CTLA-4  AND PD-1 WITH CMVINFECTION  IN LIVER TRANSPLANT RECIPIENT | poster | 10th Congress of the Iranian Society for organ transplantation (  IRSOT) |
| 17-19 May 2011 | Study of C3 Complement Gene Polymorphism c.304C>G in Donor and Recipient of kidney Transplant and its Role on Acute rejection. (An  Iranian experience) | Oral | 10th Congress of the Iranian Society for organ transplantation (  IRSOT) |
| 22-27 Aug 2010 | IFN-γ T +874A first intron polymorphism in liver and kidney  acute rejection and bone marrow transplantation GVHD | poster | 14th International  Congress of  Immunology |
| 18-21 Oct 2010 | Cytokine gene polymorphism and its relationshipwith GVHD after stem cell transplantation | Poster | The 12th congress of the Middle East  Society for Organ  Transplantation  (MESOT) |
| 25-28 Sep 2011 | Evolution of the prevalence of hepatitis viruses in iranian liver  transplant patients | Poster | The 12th congress of the asian society of transplantation  (CAST) |

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| 25-28 Sep 2011 | Association of genetic polymorphism of CD28 and ICOS with HBV infection in liver transplant recipient. | Poster | The 12th congress of the asian society of transplantation  (CAST) |
| 25-28 Sep 2011 | Association of genetic polymorphism of CD28 and ICOS with CMV infection in liver transplant recipient. | Poster | The 12th congress of the asian society of transplantation  (CAST) |
| 25-28 Sep 2011 | Association of genetic polymorphism of CD28 and ICOS  and acute liver rejection | Poster | The 12th congress of the asian society of transplantation  (CAST) |
| 18-21 Oct 2010 | Thiopurine S-methyl transferase(TPTM)polymorphismin  Iranian renal transplant recepients | Poster | The 12th congress of the Middle East  Society for Organ  Transplantation  (MESOT) |
| 18-21 Oct 2010 | Hematological and biochemical indices and viral hepatitis in liver  transplant patient | Poster | The 12th congress of the Middle East  Society for Organ  Transplantation  (MESOT) |
| 26 June -1 July 2010 | IL-6 and IFN-γ polymorphism, a risk factor for acute rejection of kidney transplantation | Poster | 31st International Congress of ISBT |
| 26 June -1 July 2010 | IL-6 promoter polymorphism, a risk factor for acute rejection liver  transplantation | Poster | 31st International Congress of ISBT |
| 18-20 May 2010 | Evaluation of the effect of thyme constituents on mouse lymphocyte  proliferation | Poster | 10th International Congress of  Immunology and Allergy Iran |
| 18-20 May 2010 | Tolerance induction by CD40 silenced dendritic cells through antisense and antibody blocking | Oral | 10th International Congress of  Immunology and Allergy Iran |

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| 13-16  September 2009 | Immune modulation by silencing  CD40 expression in dendritic cells using small interference RNA | Poster | 2nd European Congress of Immunology |
| 13-16  September 2009 | Comparison of  lipofectamine2000and FUGENE6 efficiency in the transfection of  spleen derived dendritic cell with  SiRNA against CD40 mRNA | Poster | 2nd European Congress of Immunology |
| 12-16 June 2004 | Anticardiolipin antibody and antisperm antibody in women with  recurrent abortion | Poster | The 23th EAACI congress, Amsterdam,  Netherland |
| 4-6 September  2003 | Comparision between two methods  Elisa and IFA in diagnostic of abortion to Toxoplmosis in aborted women in motahari hospital of  Jahrom | Poster | The 3rd Balkan  Conferenece of  Microbiology,Turkey |
| 7-9 May 2003 | Invivo effect of echium on cell mediated immunity | Poster | The 6th Iranian  Congress of  Immunology and  Allergy, Tehran, Iran |
| 1-5 June 2002 | Comparision of four different substrates for detection of  antinuclear antibodies (ANA) in  SLE patients | Poster | The 21th EAACI congress, Naples, Italy |
| 17-19 May 2001 | Evaluation of effects of native hernnal plant on humoral immune  system | Poster | The 5th Iranian  Congress of  Immunology and  Allergy, Tehran, Iran |
| 24-27 June 2000 | Evaluation of The  Immunomodulatory effect of five herbal plants | Poster | The 11th International congress of  Immunology,  Stockholm, Sweden |
| 1-4 November 1999 | Cytotoxic effect of daphne mucroneta on breast cancer cell  line | Poster | The 12th International Congress Of  Geographic Medicine, Shiraz, Iran |
| 16-20 July 1999 | Study of mitogenic activity of five herbal plant | Poster | The 14th Iranian Congress Of  Physiology and  Pharmacology, Tehran, Iran |
| 13-15 May 1999 | Evaluation of effect of echium boraginacea and Thuja orientalis on immune system | Oral | The Fourth Iranian  Congress of  Immunoogy and  Allergy, Isfahan, Iran |

**Certifications:**

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| **Date** | **Course Attended** | **Place** |
| Dec 2000 | Quality control of  Immunology and Serology Course | Iranian Reference Lab |
| July 2000 | Evaluation of Education | Shiraz University Of Medical Science, Deputy of reaserch |
| Feb 2000 | How to write article | Shiraz University Of Medical Science, Deputy of reaserch |
| January 2000 | Lesson Plan designing and teaching | Shiraz University Of Medical Science, Deputy of reaserch |
| June 1999 | Research Method | Shiraz University Of Medical Science, Deputy of reaserch |
| June 1999 | Immunoelectrophoretic workshop | Tehran University Of Medical Science, Deputy of reaserch |

**Membership:**

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| **Date** | **Organization/Instituation** |
| 2000 | Iranian Allergy and Immunology Association |
| **Honors:** |  |
| **Date** | **Honors** |
| Nov 2009 | Accepted creation |
| March 2009 | XIXth Regional Congress of the ISBT, Cairo |
| June 2008 | Iranian Nano technology Initiative |
| 2003 | The second Ranking in Ph.D Exam |

**Qualification and Skills:**

1. Molecular and Cell Biology: RNA and DNA extraction, PCR, Real time PCR, Post transcriptional gene silencing like antisense and siRNA technique, transfection, Western blot, cloning, Cell culture, Stem cell isolation, MSC manipulation, DC manipulation
2. Immunology: ELISA, ELISPOT, Flowcytometry, IFA, MLR, LTT,MTT, Intra cellular cytokine assay, Dendritic cell Isolation, Immunoelectrophoresis, Ag presentation assay, cell culture