

Curriculum Vitae



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PERSONAL INFORMATION

Date of Birth: 14.March.1981

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H-INDEX: **SCOPUS: 58,** **GOOGLE SCHOLAR: 71**

2013- Present Tabriz University of Medical Sciences, Medicine Faculty, Immunology
Department, Tabriz, Iran

Academic and Research member

- Associate Professor of Immunology, Department of Immunology, Faculty of Medicine, Tabriz University of Medical Sciences.

- Reproductive Immunology
- Autoimmunity Diseases
- Rheumatic diseases
- Neurosciences

1- B.Sc. (2004) - Medical Laboratory Technology (Tehran University of Medical Sciences, Faculty of Paramedicine, Tehran, Iran)

2- M.Sc.(2007) - Immunology (Tehran University of Medical Sciences, School of Public Health, Tehran, Iran)

3- Ph.D. (2013) - Immunology (Tehran University of Medical Sciences, School of Medicine, Tehran, Iran)

1. Ranking the 1st in PhD entrance exam of Medical Immunology (2007).
2. Ranking the 1st in M.Sc entrance exam (Ministry of Health) of Medical Immunology (2004).
3. Ranking the 7th in M.Sc entrance exam (Tarbiat Modarres University) of Medical Microbiology (2004).
4. Ph.D graduation score (20 out of 20)
5. Ph.D Thesis title: **Humoral immune response against tetanus toxin in single cell scale in the human and mouse**

Awards

- 2014; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2015; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2017; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2020; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2020, Top Researcher at national Razi Award
- 2021; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2022; Top 1% highly cited researcher (ESI)

Patents

- 2017; the synthesis and isolation of scFv fragments of human antibody against 4.1BB molecule by using designed peptides from the extracellular domain of this molecule.
- 2017; the synthesis of scFv fragments of human antibody against insulin-like growth factor-1 receptor (IGF-IR) and its use in inhibiting the growth of breast cancer cells.
- 2017; the synthesis and isolation of scFv fragments of human antibody against C-Met molecule by using designed peptides from the extracellular domain of this receptor and their inhibitory effect on colorectal cancer cells.
- 2019; the synthesis and isolation of human antibody scFv fragments using phage display technique against the receptor (ROR1) and its inhibitory effects on leukemia cancer cells.
- 2019; the synthesis isolation of human antibody scFv fragments using phage display technique against the receptor (FZD7) and its inhibitory effects on breast cancer cells.
- 2019; Platelet-rich plasma production syringe with leukocyte.
- 2019; the autologous serum production kit is processed as a closed system.
- 2019; Platelet-rich plasma production kit with leukocyte as a closed system.

Publications:**JOURNAL PAPERS****Original Articles**

- 1- Mohammad Sadegh Soltani-Zangbar, Forough Parhizkar, Elham Ghaedi, Ali Tarbiat, Roza Motavalli, Amin Alizadegan, Leili Aghebati-Maleki, Davoud Rostamzadeh, Yousef Yousefzadeh, Golamreza Jadideslam, Sima Shahmohammadi Farid, Leila Roshangar, Ata Mahmoodpoor, Javad Ahmadian Heris, Abolfazl Miahipour, **Mehdi Yousefi**. A comprehensive evaluation of the immune system response and type-I Interferon signaling pathway in hospitalized COVID-19 patients. *Cell Communication and Signaling*, 20(1),106. <https://doi.org/10.1186/s12964-022-00903-6>.
- 2- Ramin Pourakbari, **Mehdi Yousefi**, Balal Khalilzadeh, Mahsa Haddad Irani-nezhad, Alireza Khataee, Leili Aghebati-Maleki, Alireza Soleimani, Amin Kamrani, Forough Chakari-Khiavi, Rozita Abolhasan, Morteza Motallebnezhad, Farhad Jadidi-Niaragh, Bahman Yousefi, Hossein Samadi Kafil, Mohammad Hojjat-Farsangi & Mohammad-Reza Rashidi. Early stage evaluation of colon cancer using tungsten disulfide quantum dots and bacteriophage nano-biocomposite as an efficient electrochemical platform. *Cancer Nanotechnology*, 13(1),7. <https://doi.org/10.1186/s12645-022-00113-2>.
- 3- Masoumeh Ghasempour, Maryam Hosseini, Mohammad Sadegh Soltani-Zangbar, Roza Motavalli, Leili Aghebati-Maleki, Sanam Dolati, Amir Mehdizadeh, **Mehdi Yousefi** and Javad Ahmadian Heris. The impact of Hyssop (*Hyssopus officinalis*) extract on activation of endosomal toll like receptors and their downstream signaling pathways. *BMC Research Notes*, 15(366), 1-7. <https://doi.org/10.1186/s13104-022-06253-3>.
- 4- Amin Kamrani , Mohammad Sadegh Soltani-Zangbar, Sadaf Shiri , Yousef Yousefzadeh, Ramin Pourakbari , Leili Aghebati-Maleki , Amir Mehdizadeh , Shahla Danaii , Farhad Jadidi-Niaragh , Bahman Yousefi , Hossein Samadi Kafil , Mohammad Hojjat-Farsangi , Roza Motavalli , Mohammadali Zolfaghari , Mostafa Haji-Fatahaliha , Ata Mahmoodpoor , Javad Ahmadian Heris , Asma Emdadi , **Mehdi Yousefi**. TIGIT and CD155 as Immune-Modulator Receptor and Ligand on CD4+ T cells in Preeclampsia Patients. *Immunological Investigations* 2022 May;51(4):1023-1038. doi: 10.1080/08820139.2021.1904976.
- 5- Jalal Etemadi , Shima Bordbar , Mohammad Sadegh Soltani-Zangbar , Mahsa Hajivalili , Leili Aghebati-Maleki , Roza Motavalli , Ata Mahmoodpoor , Sima Shahmohammadi-Farid , Sima Abedi Azar , Bahram Niknafs , Leila Roshangar , Zohreh Babaloo , Javad Ahmadian Heris , Maryam Hosseini , Oldouz Shareghi-Oskoue , Forough Parhizkar , Hamid Tayebi Khosroshahi , **Mehdi Yousefi**. Prevalence of SARS-CoV-2 Specific Antibodies in Asymptomatic Hemodialysis Patients. *Immunological Investigations* 2022 May;51(4):993-1004. doi: 10.1080/08820139.2021.1899202.

- 6- Roza Motavalli , Jalal Etemadi , Mohammad Sadegh Soltani-Zangbar , Mohamad-Reza Ardalan , Houman Kahroba , Leila Roshangar , Mohammad Nouri , Leili Aghebati-Maleki , Farhad Motavalli Khiavi , Sima Abediazar , Amir Mehdizadeh , Mohammad Hojjat-Farsangi , Ata Mahmoodpoor , Hossein Samadi Kafil , Mohamadali Zolfaghari , Javad Ahmadian Heris , **Mehdi Yousefi**. Altered Th17/Treg ratio as a possible mechanism in pathogenesis of idiopathic membranous nephropathy. *Cytokine*. 2021 May;141:155452. doi: 10.1016/j.cyto.2021.155452.
- 7- Ata Mahmoodpoor, Maryam Hosseini, Sadegh Soltani-Zangbar, Sarvin Sanaie, Leili Aghebati-Maleki, Seyed Hadi Saghaleini, Zohreh Ostadi, Mahsa Hajivalili, Zhinous Bayatmakoo, Mostafa Haji-Fatahaliha, Zohreh Babaloo, Sima Shahmohammadi Farid, Javad Ahmadian Heris, Leila Roshangar, Reza Rikhtegar, Hossein Samadi Kafil, **Mehdi Yousefi**. Reduction and exhausted features of T lymphocytes under serological changes, and prognostic factors in COVID-19 progression. *Molecular Immunology*, 2021 Oct;138:121-127. doi: 10.1016/j.molimm.2021.06.001.
- 8- Alireza Pishgahi, Majid Zamani, Amir Mehdizadeh, Leila Roshangar, Milad Afkham-Daghdaghan, Behzad Pourabbas, **Mehdi Yousefi**. The therapeutic effects of autologous conditioned serum on knee osteoarthritis: an animal model. *BMC Research Notes*, 15(1),277. <https://doi.org/10.1186/s13104-022-06166-1>.
- 9- Amin Alizadegan, Maryam Akbarzadeh, Mohammad Sadegh Soltani-Zangbar, Roshanak Sambrani, Kobra Hamdi, Alieh Ghasemzadeh, Parvin Hakimi, Behnam Vahabzadeh, Hassan Dianat-Moghadam, Amir Mehdizadeh, Sina Mohammadinejad, Sanam Dolati, Sina Baharaghdam, Gholamreza Bayat, Mohammad Nouri & **Mehdi Yousefi**. Isolation of cfDNA from spent culture media and its association with implantation rate and maternal immunomodulation. *BMC Research Notes*, 15(1),259 <https://doi.org/10.1186/s13104-022-06151-8>.
- 10- Mohammad Hasan Omidvar, Mohammad Sadegh Soltani-Zangbar, Majid Zamani, Roza Motavalli, Mehdi Jafarpour, Sanam Dolati, Majid Ahmadi, Amir Mehdizadeh, Alireza Khabbazi, Mehrzad Hajialilo & **Mehdi Yousefi**. The effect of osteoporotic and non-osteoporotic individuals' T cell-derived exosomes on osteoblast cells' bone remodeling related genes expression and alkaline phosphatase activity. *BMC Research Notes*, 15(1),272. <https://doi.org/10.1186/s13104-022-06139-4>.
- 11- Seyede-Leila Shafiei, Aliakbar Movassaghpour, Seyede Fatemeh Hosseini, Mehdi Talebi, Mehdi Edalati, Saeedeh Torabi Goudarzi, Mohammad Sadegh Soltani-Zangbar, Amir Mehdizadeh, **Mehdi Yousefi**. The altered expression of homing factors in CD34+ hematopoietic stem cells following G-CSF injection and its effects on transplantation quality in ALL patients. *Cell Biology International*, 46(11), pp. 1876-1885 doi: 10.1002/cbin.11865.
- 12- Abbas Ali Hosseinpour Feizi, Sajjad Vakili-Samiani, Vahid Karpisheh, Ali Masjedi, Sepideh Izadi, Sara Adibfar, Afshin Nikkhoo, Mohammad Hojjat-Farsangi, Fatemeh Atyabi, Omid Joodi khanghahi, Ali Akbar Movassaghpour, Saeed Solali, **Mehdi**

- Yousefi**, Farhad Jadidi-Niaragh. Increased susceptibility to doxorubicin-induced cell death in acute lymphocytic leukemia cells by inhibiting serine/threonine WEE1 kinase expression using the chitosan-carboxymethyl dextran-polyethylene glycol-TAT nanoparticles. *Journal of Drug Delivery Science and Technology*, 77,103868. <http://eprints.kums.ac.ir/id/eprint/12623>.
- 13- Sanaz Abbaspour-Aghdam, Ali Hazrati, Samaneh Abdolmohammadi-Vahid, Safa Tahmasebi, Jafar Mohseni, Hamed Valizadeh, Mehdi Nadiri, Haleh Mikaeili, Armin Sadeghi, **Mehdi Yousefi**, Leila Roshangar, Behzad Nikzad, Farhad Jadidi-Niaragh, Hossein Samadi Kafil, Kosar Malekpouri, Majid Ahmadi. Immunomodulatory role of Nanocurcumin in COVID-19 patients with dropped natural killer cells frequency and function. *European Journal of Pharmacology*, 2022 Oct 15;933:175267. doi: 10.1016/j.ejphar.2022.175267.
 - 14- Fahimeh Kazeminava, Siamak Javanbakh, Mohammad Nouri, Khosro Adibkia, Khudaverdi Ganbaro, **Mehdi Yousefi**, Majid Ahmad, Pourya Gholizadeh, Hossein Samadi Kafil. Electrospun nanofibers based on carboxymethyl cellulose/polyvinyl alcohol as a potential antimicrobial wound dressing. *International Journal of Biological Macromolecules*, 214, pp. 111-119 doi: 10.1016/j.ijbiomac.2022.05.175.
 - 15- Elham Gholipour, Houman Kahroba, Nasim Soltani, Parisa Samadi, Parisa Sarvarian, Sajjad Vakili-Samiani, Abbas Ali Hosein Pour Feizi, Mohammad Sadegh Soltani-Zangbar, Adel Baghersalimi, Bahram Darbandi, Aliakbar Movassaghpour, Mehdi Talebi, Roza Motavalli, Amir Mehdizadeh, Abdolhassan Kazemi, **Mehdi Yousefi**. Paediatric pre-B acute lymphoblastic leukaemia-derived exosomes regulate immune function in human T cells. *Journal of Cellular and Molecular Medicine*, 26(16), pp. 4566-4576 doi: 10.1111/jcmm.17482.
 - 16- Sahar Madadi, Sina Mohammadinejad, Amin Alizadegan, Mohammad Hojjat-Farsangi, Sanam Dolati, Hossein Samadi Kafil, Farhad Jadidi-Niaragh, Mohammad Sadegh Soltani-Zangbar, Roza Motavalli, Jalal Etemadi, Shadi Eghbal-Fard, Leili Aghebati-Maleki, Shahla Danaii, Simin Taghavii, **Mehdi Yousefi**. Expression level of immune checkpoint inhibitory factors in preeclampsia. *Human Immunology*, 83(8-9), pp. 628-636 2022. doi: 10.1016/j.humimm.2022.07.004.
 - 17- Mohammad Sadegh Soltani Zangbar, Ata Mahmoodpoor, Sanam Dolati, Ali Shamekh, Sepehr Valizadeh, **Mehdi Yousefi**, Sarvin Sanaie. Serum levels of vitamin D and immune system function in patients with COVID-19 admitted to intensive care unit. *Gene Reports*, 26,101509. doi: 10.1016/j.genrep.2022.101509.
 - 18- Mehdi Jafarpour, Mohammad Hasan Omidvar, Mohammad Sadegh Soltani-Zangbar, Sanam Dolati, Majid Ahmadi, Farhad Jadidi-Niaragh, Hossein Samadi Kafil, Fatemeh Nouri Dolama, Seyedeh Nava Ahrar, Sana Ahmadi, Parastou Shahi Hagh, Mehrzad Hajialilo, **Mehdi Yousefi**. The effects of PBMCs-derived exosomes of ankylosing spondylitis patients on T cell profiles. *Gene Reports*, 26,101446. <https://doi.org/10.1016/j.genrep.2021.101446>.

- 19- Shakiba Gholian, Alireza Pishgahi, Seyed Kazem Shakouri, Fariba Eslamian, **Mehdi Yousefi**, Behzad Pourabbas Kheiraddin, Shahla Dareshiri, Reza Yarani, Neda Dolatkah. Use of autologous conditioned serum dressings in hard-To-heal wounds: A randomised prospective clinical trial. *Journal of Wound Care*, 31(1), pp. 68-77. doi: 10.12968/jowc.2022.31.1.68.
- 20- Rojin Farzaneh, Alireza Khabbazi, Mohammad Sadegh Soltani-Zangbar, Samaneh Abbasian, Aida Malek Mahdavi, Roza Motavalli, **Mehdi Yousefi**. Effects of nanocurcumin supplementation on T-helper 17 cells inflammatory response in patients with Behcet's disease: a randomized controlled trial. *Immunopharmacology and Immunotoxicology*, 44(2), pp. 206-215. doi: 10.1080/08923973.2022.2026380.
- 21- Masoud Ahangari Maleki, Aida Malek Mahdavi, Mohammad Sadegh Soltani-Zangbar, **Mehdi Yousefi**, Alireza Khabbazi. Randomized double-blinded controlled trial on the effect of synbiotic supplementation on IL-17/IL-23 pathway and disease activity in patients with axial Spondyloarthritis. *Immunopharmacology and Immunotoxicology*. 2022 Aug 18:1-9. doi: 10.1080/08923973.2022.2112220.
- 22- Zahra Jalili, Behnam Emamgolizadeh, Hossein Abbaszadeh, Shahla Jalili, Mehdi Derakhshani, **Mehdi Yousefi**, Mehdi Talebi, Karim Shams Asenjan, Ali Akabr Movassaghpour. Effect of Replacement of Wharton Acellular Jelly With FBS on the Expression of Megakaryocyte Linear Markers in Hematopoietic Stem Cells CD34+. *Asian Pacific Journal of Cancer Prevention*, 23(10), pp. 3281-3286. doi: 10.31557/APJCP.2022.23.10.3281.
- 23- Alireza Khabbazi, Masoud Ahangari Maleki, Mohammad Sadegh Soltani-Zangbar, **Mehdi Yousefi**, Aida Malek Mahdavi. Effects of synbiotic supplementation on regulatory T cells' response in patients with axial spondyloarthritis: a randomized double-masked placebo-controlled trial. *Food and Function*, 2022 Dec 13;13(24):12733-12741. DOI: <https://doi.org/10.1039/D2FO01377K>.
- 24- Ramin Pourakbari, Forough Parhizkar, Mohammad Sadegh Soltani-Zangbar, Parisa Samadi, Majid Zamani, Leili Aghebati-Maleki, Roza Motavalli, Ata Mahmoodpoor, Farhad Jadidi-Niaragh, Bahman Yousefi, Hossein Samadi Kafil, Mohammad Hojjat-Farsangi, Shahla Danaii, **Mehdi Yousefi**. Preeclampsia-Derived Exosomes Imbalance the Activity of Th17 and Treg in PBMCs from Healthy Pregnant Women. *Reproductive Sciences*, 2022 Sep 26. doi: 10.1007/s43032-022-01059-x.
- 25- Yousef Yousefzadeh, Mohammad Sadegh Soltani-Zangbar, Ladan Kalafi, Ali Tarbiat, Sima Shahmohammadi Farid, Leili Aghebati-Maleki, Forough Parhizkar, Shahla Danaii, Simin Taghavi, Farhad Jadidi-Niaragh, Hossein Samadi Kafil, Ata Mahmoodpoor, Javad Ahmadian Heris, Mohammad Hojjat-Farsangi, **Mehdi Yousefi**. Evaluation of CD39, CD73, HIF-1alpha, and their related miRNAs expression in decidua of preeclampsia cases compared to healthy pregnant women. *Molecular Biology Reports*, 49(11), pp. 10183-10193. doi: 10.1007/s11033-022-07887-z.

- 26- Raha Markazi, Mohammad Sadegh Soltani-Zangbar, Majid Zamani, Shadi Eghbal-Fard, Roza Motavalli, Amin Kamrani, Sanam Dolati, Majid Ahmadi, Leili Aghebati-Maleki, Amir Mehdizadeh, Fariba Eslamian, Alireza Pishgahi, **Mehdi Yousefi**. Platelet lysate and tendon healing: comparative analysis of autologous frozen-thawed PRP and ketorolac tromethamine in the treatment of patients with rotator cuff tendinopathy. *Growth Factors*, 40(5-6), pp. 163-174. doi: 10.1080/08977194.2022.2093198.
- 27- Rozita Abolhasan, Balal Khalilzadeh, Hadi Yousefi, Sahar Samemaleki, Forough Chakari-Khiavi, Farzaneh Ghorbani, Ramin Pourakbari, Amin Kamrani, Alireza Khataee, Tannaz Sadeghi Rad, Mohammad Reza Rashidi, **Mehdi Yousefi**, Leili Aghebati Maleki. Ultrasensitive and label free electrochemical immunosensor for detection of ROR1 as an oncofetal biomarker using gold nanoparticles assisted LDH/rGO nanocomposite. *Scientific Reports*, 11(1),14921. <https://doi.org/10.1038/s41598-021-94380-5>.
- 28- Samaneh Abbasian, Mohammad Sadegh Soltani-Zangbar, Alireza Khabbazi, Rojin Farzaneh, Aida Malek Mahdavi, Roza Motavalli, Mehrzad Hajialilo, **Mehdi Yousefi**. Nanocurcumin supplementation ameliorates Behcet's disease by modulating regulatory T cells: A randomized, double-blind, placebo-controlled trial. *International Immunopharmacology*, 101,108237. doi: 10.1016/j.intimp.2021.108237.
- 29- Hossein Abbaszadeh, Farzaneh Ghorbani, Mehdi Derakhshani, Batoul Abbasi, Zahra Jalili, Mehdi Talebi, **Mehdi Yousefi**, Karim Shamsasenjan, Mahdi Edalati, Parvin Hakimi, Maryam Sanei, Reza Yaghoubi, Ali Akbar Movassaghpour. The effect of Acellularized Wharton's Jelly-derived exosomes on myeloid differentiation of umbilical cord blood-derived CD34+ hematopoietic stem cells. *Gene Reports*, 25,101298. <https://doi.org/10.1016/j.genrep.2021.101298>.
- 30- Hanie Safarpour, Mohammad Pourhassan-Moghaddam, Adel Spotin, Hassan Majdi, Aleksandra Barac, **Mehdi Yousefi**, Ehsan Ahmadpour. A novel enhanced dot blot immunoassay using colorimetric biosensor for detection of *Toxoplasma gondii* infection. *Comparative Immunology, Microbiology and Infectious Diseases*, 79,101708. <https://doi.org/10.1016/j.cimid.2021.101708>.
- 31- Hassan Vahidnezhad, Leila Youssefian, Amir Hossein Saeidian, Vahid Ziaee, Hamidreza Mahmoudi, Nima Parvaneh, Bahar Ashjaei, Soroush Shahrokh, Kambiz Kamyab Hesari, Mohammadsadegh Soltani Zangbar, **Mehdi Yousefi**, Sirous Zeinali, Jouni Uitto. Homozygous MEFV Gene Variant and Pyrin-Associated Autoinflammation with Neutrophilic Dermatitis: A Family with a Novel Autosomal Recessive Mode of Inheritance. *JAMA Dermatology*, 157(12), pp. 1466-1471. doi: 10.1001/jamadermatol.2021.3899.
- 32- Parhizkar, F., Parhizkar, Z., Mojahedi, M., (...), Danaii, S., **Yousefi, M.** The impact of IVIG therapy on live birth rates in women with RPL: A systematic review and meta-analysis. *Gene Reports*, 26,101490.2022. <https://doi.org/10.1016/j.genrep.2021.101490>.

- 33- Mohammad Ali Zolfaghari, Roza Motavalli, Mohammad Sadegh Soltani-Zangbar, Forough Parhizkar, Shahla Danaii, Leili Aghebati-Maleki, Mohammad Noori, Sanam Dolati, Majid Ahmadi, Hossein Samadi Kafil, Farhad Jadidi-Niaragh, Javad Ahmadian Heris, Ata Mahmoodpoor, Mohammad Saeid Hejazi, **Mehdi Yousefi**, A new approach to the preeclampsia puzzle; MicroRNA-326 in CD4+ lymphocytes might be as a potential suspect, Journal of Reproductive Immunology, Volume 145, <https://doi.org/10.1016/j.jri.2021.103317>.
- 34- Zahra Pourmoghadam, Mohammad Sadegh Soltani-Zangbar, Golshan Sheikhansari, Ramyar Azizi, Shadi Eghbal-Fard, Hamed Mohammadi, Homayoon Siahmansouri, Leili Aghebati-Maleki, Shahla Danaii, Amir Mehdizadeh, Mohammad Hojjat-Farsangi, Roza Motavalli, **Mehdi Yousefi** . Intrauterine administration of autologous hCG- activated peripheral blood mononuclear cells improves pregnancy outcomes in patients with recurrent implantation failure; A double-blind, randomized control trial study. J Reprod Immunol. 2020 Aug 4;142:103182. doi: 10.1016/j.jri.2020.103182.
- 35- Shahla Danaii, Farzaneh Ghorbani, Majid Ahmadi, Hossein Abbaszadeh, Ladan Koushaeian , Mohammad Sadegh Soltani-Zangbar, Amir Mehdizadeh, Mohammad Hojjat-Farsangi, Hossein Samadi Kafil, Leili Aghebati-Maleki, **Mehdi Yousefi**. IL-10-producing B cells play important role in the pathogenesis of recurrent pregnancy loss. Int Immunopharmacol. 2020 Jul 18;87:106806. doi: 10.1016/j.intimp.2020.106806.
- 36- Naime Majidi Zolbanin, Reza Jafari, Jafar Majidi, Fatemeh Atyabi, **Mehdi Yousefi**, Farhad Jadidi-Niaragh, Mohammad-Sadegh Soltani Zangbar, Milad Asadi, Alireza Mohajjel Nayeibi. Apoptotic effects of Mucin1 aptamer-conjugated nanoparticles containing docetaxel and c-Met siRNA on SKBR3 human metastatic breast cancer cells. Jundishapur Journal of Natural Pharmaceutical Products,2019. 14(4),67023.
- 37- Ahmadi M, Abdolmohamadi-Vahid S, Ghaebi M, Dolati S, Abbaspour-Aghdam S, Danaii S, Berjis K, Madadi-Javid R, Nouri Z, Siahmansouri H, Babaloo Z, Nouri M, **Yousefi M**. Sirolimus as a new drug to treat RIF patients with elevated Th17/Treg ratio: A double-blind, phase II randomized clinical trial. Int Immunopharmacol. 2019 Sep;74:105730. doi: 10.1016/j.intimp.2019.105730.
- 38- Golshan Sheikhansari, Mohammad Sadegh Soltani-Zangbar, Zahra Pourmoghadam, Amin Kamrani, Ramyar Azizi, Leili Aghebati-Maleki, Shahla Danaii, Ladan Koushaeian, Mohammad Hojjat-Farsangi, **Mehdi Yousefi**. Oxidative stress, inflammatory settings, and microRNA regulation in the recurrent implantation failure patients with metabolic syndrome. American Journal of Reproductive Immunology, 2019. 82(4),e13170
- 39- Majid Ahmadi , Mahnaz Ghaebi , Samaneh Abdolmohammadi-Vahid, Sanaz Abbaspour-Aghdam, Kobra Hamdi , Sedigheh Abdollahi-Fard, Shahla Danaii , Parisa Mosapour, Ladan Koushaeian, Sanam Dolati , Reza Rikhtegar, Farnaz Dabiri Oskouei , Leili Aghebati-Maleki , Mohammad Nouri, **Mehdi Yousefi**. NK cell frequency and

- cytotoxicity in correlation to pregnancy outcome and response to IVIG therapy among women with recurrent pregnancy loss. *J Cell Physiol.* 2019 Jun;234(6):9428-9437.
- 40- Ramyar Azizi, Majid Ahmadi, Shahla Danaii, Sedigheh Abdollahi-Fard, Parisa Mosapour, Shadi Eghbal-Fard, Sanam Dolati, Amin Kamrani, Badrossadat Rahnama, Amir Mehdizadeh, Farhad Jadidi-Niaragh, Bahman Yousefi, **Mehdi Yousefi**. Cyclosporine A improves pregnancy outcomes in women with recurrent pregnancy loss and elevated Th1/Th2 ratio. *Journal of cellular physiology.*2019.234(10). <https://doi.org/10.1002/jcp.28543>.
- 41- Majid Ahmadi, Sanaz Abbaspour aghdam, Mohammad Nouri, Zohreh Babaloo, Laya Farzadi, Aliye Ghasemzadeh, Kobra Hamdi, Ali Akbar Movassaghpour, Farhad Jadidi-Niaragh, Amir Afkham, Morteza Motalebnezhad, Shadi Eghbal-Fard, Sanam Dolati, Vahid Younesi, **Mehdi Yousefi**. Intravenous immunoglobulin (IVIG) treatment modulates peripheral blood Th17 and regulatory T cells in recurrent miscarriage patients: Non randomized, open-label clinical trial. *Immunology Letters* 192 (2017) 12–19.
- 42- Koushaeian L, Ghorbani F, Ahmadi M, Eghbal-Fard S, Zamani M, Danaii S, Yousefi B, Jadidi-Niaragh F, Hamdi K, **Yousefi M**. The role of IL-10-producing B cells in repeated implantation failure patients with cellular immune abnormalities. *Immunol Lett.* 2019 Oct;214:16-22. doi: 10.1016/j.imlet.2019.08.002. Epub 2019 Aug 20.
- 43- Mahnaz Ghaebi, Samaneh Abdolmohammadi-Vahid, Majid Ahmadi, Shadi Eghbal-Fard, Sanam Dolati, Mohammad Nouri, Mehdi Talebi, Kobra Hamdi, Farooq Marofi, Leili Aghebati-Maleki, Farhad Jadidi Niaragh, Masoume Dopour, **Mehdi Yousefi**. T cell Subsets in Peripheral Blood of Women with Recurrent Implantation Failure. *J Reprod Immunol.* 2019 Feb;131:21-29.
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- 1- **M. Yousefi, V. Younesi, F. Jadidi-Niaragh, R. Khosravi-Eghbal, F. Shokri; Comparative Human and Mouse Antibody Responses against Tetanus Toxin at Clonal Level. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**
- 2- **M. Seifi-Najmi , S. Sadreddini , S. Sadreddini , F. Jadidi-Niaragh , V. Younesi, M. Yousefi, Construction and characterization of anti tetanus toxin single-chain Fvs from human immune phage library. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**
- 3- **S. Sadreddini, S. Sadreddini, M. Seifi-Najmi, F. Jadidi-Niaragh, V. Younesi, M. Yousefi; An efficient method for EBV immortalization of human memory B lymphocytes isolated by FACS and MACS methods. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**
- 4- **V. Younesi, S. Sadreddini, M. Seifi-Najmi, S. Sadreddini, M. Yousefi, Tetanus Neurotoxin Hcc Subdomain commits T cell to be TH1 IFN- γ producing cells. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**

- 5- M. Ghaffari_Khameneh, M. Hosseini, M. Haji-Fatahaliha, S. Rasoulzadeh, D. Shanehbandi, L. Aghebati, M. Shabani, **M. Yousefi, The effect of heavy chain carboxy terminal (HCC) subdomain of tetanus toxin on purified human T lymphocytes. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**
- 6- S. Sadreddini, S. Sadreddini, A. Afkham, V. Younesi, **M. Yousefi, Treatment of human T cells with tetanus neurotoxin Hcc recombinant protein causes T cell activation and IFN- γ secretion. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria.**
- 7- S. Rasolzadeh, M. Haji-Fatahaliha, M. Hosseini, M. Ghafari-Khamene, A. Movassagh pour, J. Majidi, **M. Yousefi, IFN- γ and TNF- α secretion by human NK cells activated by *Leishmania major* lipophosphoglycan 3 (LPG3). 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria**
- 8- H. Ghoghaei, A. Afkham, S. Sadreddini, S. Sadreddini, V. Younesi, **M. Yousefi; The effect of tetanus neurotoxin Hcc protein on TNF- α , IL-4 and IL-17 transcript and protein level from normal human peripheral T cells. 4th European Congress of Immunology – 6-9 September 2015 - Vienna, Austria**
- 9- **M. Yousefi, F. Tahmasebi, V. Younesi, A. Razavi, J. Khoshnodi, A. Bayat, E. Abbasi, H. Rabbani, M. Jeddi-Tehrani, F. Shokri. Production and characterization of neutralizing monoclonal antibodies directed against tetanus toxin fragment C. 15th International Congress of Immunology, Milan, Italy, 22-27 Aug, 2013.**
- 10- G. Ghalamfarsa, F. Jadidi-Niaragh, M. Hojjat-Farsangi, **M. Yousefi, S. Razavi, A. Saboor-Yaraghi, M. Jeddi-Tehrani, F. Shokri. Differential regulation of B-cell proliferation by IL21 in different subsets of chronic lymphocytic leukemia. 15th International Congress of Immunology, Milan, Italy, 22-27 Aug, 2013.**
- 11- S. Rahimifar, **M. Yousefi, M. Momeny, A. Emami. Inhibition effects of silibinin on invasive properties of human breast cancer cell line, MDA-MB-231, through suppression of the proteolytic cascade of cathepsin B/urokinase-type plasminogen activator. 15th International Congress of Immunology, Milan, Italy, 22-27 Aug, 2013.**
- 12- A. Memarian, F. Jadidi, **M. Yousefi, M. Jeddi-Tehrani, S.M. Razavi, A.H. Emami, M. Mirahmadian. CD200 Expression Level on Chronic Lymphocytic Leukemia B Cells Correlates with Foxp3+ Regulatory T Cells Frequency in These Patients. European Multidisciplinary Cancer Congress on Integrating Basic and Translational Science, Surgery, Radiotherapy, Medical oncology, Advocacy and Care, Stockholm, Sweden, 23-27 Sep, 2011.**
- 13- A. Memarian, M. Nourizadeh, F. Masomi, **M. Yousefi, M. Jeddi-Tehrani, A.H. Emami, M. Mirahmadian. CD200 expression and foxp3 regulatory T cells level in acute myeloid leukemia patients associates with poor prognosis. EACR-22 - from Basic Research to**

Personalised Cancer Treatment. Barcelona, Spain, 7-10 July, 2012.

- 14- F. Jadidi-Niaragh, H. Asgarian-Omran, **M. Yousefi**, M. Hojjat-Farsangi, S.M. Razavi, M. Jeddi-Tehrani, F. Shokri, **Imbalanced Frequency of Regulatory T Cells in Different Subsets of Chronic Lymphocytic Leukemia. European Multidisciplinary Cancer Congress on Integrating Basic and Translational Science, Surgery, Radiotherapy, Medical oncology, Advocacy and Care, Stockholm, Sweden, 23-27 Sep, 2011.**
- 15- **Yousefi M**, Tahmasebi F , Razavi A, Khoshnoodi J, Shirazi-Golsaz F ,Abbasi E, Shokri F. **Analysis of the Clonal Antibody Response to Clostridium Tetanus Toxin In Mice. Kobe, Japan, August 22-27, 2010.**
- 16- **YousefiM**, MomenyM, Nooridalooi MR **Effects of silibinin on cell growth and invasive properties of a human hepatocellular carcinoma cell line, HepG-2, through inhibition of extracellular signal-regulated kinase 1/2 phosphorylation. Kobe, Japan, August 22-27, 2010.**
- 17- Shirazi-Golsaz F, **YousefiM**, MomenyM, Nooridalooi MR. **Quercetin modulate expression of different regulatory genes involving in tumor invasion, angiogenesis and apoptosis in human prostate adenocarcinoma cell line. Kobe, Japan, August 22-27, 2010.**
- 18- **YousefiM**, AH Emami, M Momeny, MR Khorramizadeh. **The Effects of Arsenic Trioxide and Zoledronic Acid on Malignant Plasma Cells Derived from Bone Marrow Cells of Multiple Myeloma Patients. 2nd European Congress of Immunology. September 13-16, 2009 – Berlin, Germany.**
- 19- Mehdi Yousefi. siRNA-mediated silencing of MDR1 reverses the resistance to oxaliplatin in SW480/OxR colon cancer cells. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 20- Mehdi Yousefi. Recombinant Leishmania major lipophosphoglycan 3 stimulates purified human B lymphocytes **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 21- Mehdi Yousefi. Leshmania LPG3 activates Th1 response and IFN- γ cytokine production. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 22- Mehdi Yousefi. M2000 as a new agent, inhibit inflammatory pathways by targeting suppressor of cytokine signaling (SOCS1). **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 23- Mehdi Yousefi, G2013 suppress inflammation via targeting IL-1 receptor associated kinase 1 (IRAK1). **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**

- 24- **Mehdi Yousefi.** Development and functional evaluation of anti-ROR1 scFv on a panel of B- CLL cells. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 25- **Mehdi Yousefi.** Isolation of Anti-IGF1R Single Chain Variable Fragment Antibodies by Phage Display Technology. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 26- **Mehdi Yousefi.** Isolation of single chain variable fragment (scFv) specific for Frizzled 7 (Fzd7) receptor from human single fold scFv libraries. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 27- **Mehdi Yousefi.** Downregulation of CD73 in 4T1 Breast Cancer Cells through siRNA Loaded Chitosan Lactate Nanoparticles. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 28- **Mehdi Yousefi.** Chitosan nanoparticle mediated co-delivery of siRNA/drug for synergic anti-lung cancer therapy. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 29- **Mehdi Yousefi.** Effects of IL17RB siRNA and doxorubicin dual delivery by chitosan nanoparticles on cytotoxicity, gene expression, apoptosis and migration of MDA-MB361 Breast cancer cell line. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 30- **Mehdi Yousefi.** Co-delivery of siRNA and doxorubicin to colorectal cancer cells (HT-29) by chitosan nanoparticles to enhance therapeutic effects. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 31- **Mehdi Yousefi.** IGF1R siRNA and Doxorubicin co-delivery inhibit growth and gene expression of lung cancer cell line. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 32- **Mehdi Yousefi.** The Effects of Recombinant Leishmania Major Lipophosphoglycan 3 (LPG3) on Activation and Cytokine Secretion of Human T Lymphocytes. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 33- **Mehdi Yousefi.** Effect of HMGA2 siRNA and Doxorubicin loaded TMC Nano-particles on metastasis of metastatic breast cancer cell line (MDA-MB-231) and their synergic

evaluation. **13th International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**

- 34- Atiye Mellati, Sanam Dolati, **Mehdi Yousefi** . Changes in Th17 cells frequency and function after Nanocurcumin therapy in ankylosing spondylitis patients. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 35- Sanam Dolati , **Mehdi Yousefi**. Nanocurcumin Improves Imbalance of Th17/Treg cells in Patients with Multiple Sclerosis. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 36- Farzaneh Ghorbani, Sanam Dolati , **Mehdi Yousefi**. Frequency and function of regulatory T cells in elderly patients with ischemic stroke. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 37- Rozita Abolhasan , Sanam Dolati , , **Mehdi Yusefi**. Nanocurcumin Influences Regulatory T cell Responses in Ankylosing Spondylitis. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 38- Farnaz Hajizadeh, Sanam Dolati, **Mehdi Yousefi**. Dysregulation of peripheral Th17 cells in elderly patients with ischemic stroke. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 39- Zahra Pourmoghadam, Majid Ahmadi, **Mehdi Yousefi**. Th17 and regulatory T cells frequency in RIF's patients treated with IVIG. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 40- Haniehheydarlou, Majid Ahmadi , **Mehdi Yousefi**. The frequency and function of Follicular T helper in preeclampsia. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 41- Yousef Daneshmand pour , Sanam Dolati, **Mehdi Yousefi**. Nanocurcumin Impacts on Aberrant T cells Related MicroRNAs Profile Expression in Ankylosin Spondylitis Patients. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 42- Seyed Shahabeddin Mortazavi Jahromi, Mehdi Malek Jamshidi, **Mehdi Yousefi**, Farzaneh Tofighi, Zavareh, Abbas Mirshafiey In vitro Assessment of G2013 (guluronic acid) on microRNA-155 in TLR4 Signaling Pathway. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 43- Seyed Shahabeddin Mortazavi Jahromi, Mehdi Malek Jamshidi, Ali Farazmand, **Mehdi Yousefi**, Zahra Aghazadeh, Abbas Mirshafiey The Evaluation of the Effect of β -D-mannuronic Acid (M2000) on MicroRNA-146a and Related Molecules at the Level of Gene Expression in HEK Blue hTLR2 Cell Line. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**

- 44- Fatemeh Pourgholi, Mahsa Hajivalili, Zohreh Hekmati , **Mehdi Yousefi**. Effects of Mannuronic Acid, as an Anti-inflammatory Drug, by targeting SHIP Signaling Pathway in Inflammation Process. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 45- Mahnaz Ghaebi , Majid Ahmadi, **Mehdi Yousefi**. **The Immune Profile of Peripheral Blood of Recurrent Implantation Failure Patients. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 46- Shadi Eghbalfard, Majid Ahmadi , **Mehdi Yousefi**. Evaluation of TH17 and Treg Frequency in Preeclampsia Patients. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 47- Maryam Hosseini, Mostafa Haji-Fatahaliha, Sanaz Rasolzadeh, **Mehdi Yousefi**. The Effect of Leishmania Major Lipophosphoglycan 3 on Human T Lymphocytes In Vitro. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 48- Golshan Sheikhansaria, Leili Aghebati-Maleki, **Mehdi Yousefi** . **TH17 and Treg frequencies in treatment of RPL women with immune abnormalities after IVIG therapy. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 49- Amin kamrani, Leili Aghebati Maleki, **Mehdi Yousefi**. Effect of IVIG on exhausted T cell and exhausted regulatory T cells in women with recurrent miscarriage. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 50- Samaneh Abdolmohammadi Vahid - Majid Ahmadi-**Mehdi Yousefi**. Investigation of T cell subtypes in women with recurrent pregnancy loss and control group. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 51- Ramyar Azizi, Majid Ahmadi, **Mehdi Yousefi**. Effect of Cyclosporine on Th1 and Th2 Lymphocytes and Improvement of Pregnancy Outcome in Recurrent Pregnancy Loss (RPL). **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 52- RaminPourakbari, Leili Aghebati-Maleki, **Mehdi Yousefi**. Preserving Th17/Treg Balance to be Considerable in the Pathogenesis of Behçet's Disease. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 53- Sanaz Rasolzadeh Nori, Arash Pourgholaminejad, VahidYounesi, **Mehdi Yousefi** Evaluation of Natural Killer Cells Function Exposed to Recombinant Leishmania major Lipophosphoglycan-3 Antigens. **14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**

- 54- Ahmadi M, Dolati S, Nouri M, Babaloo Z, Farzadi L, **Yousefi M**. Intravenous immunoglobulin (IVIG) modulates regulatory T cells and improves live birth rate in women with recurrent spontaneous abortion. **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 55- Abdolmohammadi-Vahid S, Ghaebi M, Ahmadi M, Abdollahifard S, Danaii Sh, Mousapour P, Heidari L, Hazrati F, Seyyed Hosseini R , Nouri MP, **Yousefi M** Intravenous immunoglobulin (IVIG) modulates regulatory T cells and improves pregnancy outcome in patients with repeated implantation failure (RIF). **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 56- Abbaspour Aghdam S, Ahmadi M, **Yousefi M**. Effect of intravenous immunoglobulin on Th1 and Th2 lymphocytes and improvement of pregnancy outcome in recurrent pregnancy loss (RPL). **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 57- Ghaebi M, Abdolmohammadi-Vahid, Ahmadi M, Nikmaram A, Farzadi L,, Ghasemzadeh A, Hamdi K, ,Nouri **M, Yousefi M** The efficacy of intravenous immunoglobulin (IVIG) in pregnancy success and modulation of Th17 responses in women with recurrent implantation failure (RIF). **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 58- Eghbal-Fard S, Ahmadi M, Dolati S, Nouri M, Babaloo Z, Farzadi L, Jadidi Niaragh F, **Yousefi M**. Intravenous immunoglobulin (IVIG) modulates Th17 cells and improves live birth rate in patients with recurrent spontaneous abortion. **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 59- Bahrami asl Z, Ahmadi M, Farzadi, Ghasemzadeh A, Hamdi K, Babaloo Z, Nouri M, **Yousefi M**. Successful treatment of recurrent spontaneous abortions (RSA) patients with elevated natural killer cells with intravenous immunoglobulin (IVIG). **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 60- Aghebati-Maleki L, Ahmadi M, Nouri M, Babaloo Z, Hamdi K, **Yousefi M**. Intravenous immunoglobulin (IVIG) modulates natural killer cell and improves live birth rate in women with recurrent pregnancy loss. **7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**

61- M. Ahmadi, S. Danaii, K. Berjis, M. Nouri, **M. Yousefi**. Sirolimus as a new drug for treatment of RIF patients with elevated Th17/Treg Ratio: a randomized, double-blind, phase II clinical trial. 34th Annual Meeting of the European Society of Human Reproduction and Embryology. **34th Annual Meeting of the European Society of Human Reproduction and Embryology.** Barcelona-Spain

Teaching experience

2013– Present *Immunology*, Faculty of Medicine and Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran. (for medical students, Ph.D Microbiology and Biotechnology students, MSc Immunology students, pharmacy and Dentist students and so on)

Students Advised

	Title	Student	Supervisor	Advisor	Year		course
1	The effect of vaginal probiotic capsule on fertility in women with recurrent implantation failure: Clinical Trial	Leila Hojaty	√		2022	Medical Student	MD
2	The impact of COVID-19 induced autoantibodies levels in IVF success rate in patients with infertility	Seyyed Ali Shamekh	√		2022	Medical Student	MD
3	The impact of COVID-induced autoantibodies in success rate of embryo implantation in patients with infertility	Hamideh Zareh	√		2022	Medical Student	MD
4	The effect of lymphocyte therapy on fertility in women with recurrent miscarriages with anti-TTG antibody and without anti-TTG compared to the control group	Zahra Mohammadza de	√		2022	Medical Student	MD
5	Evaluation of Survivin protein gene expression in patients with recurrent pregnancy loss (RPL)	Zahra Khodadoost	√		2022	Medical Student	MD
6	Evaluation of Survivin protein gene expression in patients with recurrent implantation failure compared to normal individuals	Asal Azizi	√		2022	Medical Student	MD
7	Fertility rate in recurrent miscarriage (RPL) patients with anti-ANA antibodies and without anti-ANA before and after lymphocyte therapy in comparison to control groups	Zahra Shahir Khajeh	√		2022	Medical Student	MD
8	Evaluation of the expression levels of autophagy-related genes in patients with recurrent implantation failure compared to normal individuals	Zahra Tohid	√		2022	Medical Student	MD
9	Evaluation of the expression levels of autophagy-related genes in patients with recurrent pregnancy loss compared to normal individuals	Mobina Oladghaffari	√		2022	Medical Student	MD
10	Fabrication and evaluation of collagen scaffolds for endometrial cells growth and proliferation in order to endometrial tissue regeneration	Yalda Jahanbani	√		2022	Ph.D	Biomaterial
11	Comparison of lymphocyte changes as well as the antiviral study of IFNs-I and the presence of autoantibodies against IFNs-I in severe and mild COVID-19 patients	Mohammad Sadegh Soltani-Zangbar	√		2021	Ph.D	Immunology
12	Hyssop effects on immune system of healthy individuals	Masoumeh Ghasempour	√		2021	Resident	Pediatrician

13	Effect of Intradermal lymphocyte therapy on expression levels of miRNA-223, miRNA-133b in Peripheral Blood Mononuclear Cells of patients with recurrent pregnancy loss	Pouya Bohlouli	√		2021	Medical Student	MD
14	Effects of Intradermal injection of lymphocytes on expression levels of miRNA-199a-5p , miRNA-148a-3p in patients with recurrent pregnancy loss	Farid Jahanshahlou	√		2021	Medical Student	MD
15	Comparison between clinical effects of intra-articular ozone and intra-articular steroid injection in the treatment of chronic ankle osteoarthritis	Haniyeh Hosseini	√		2021	Medical Student	MD
16	MicroRNA-326 and microRNA-155 in recurrent miscarriage patients before and after lymphocyte therapy in comparison to control groups	Maryam Mojahedi	√		2021	Pharmacology	Pharmacology
17	Evaluation of Th17 cell frequency and expression of microRNAs and Th17 related factors in patients with Premature ovarian failure (POF)	Narges Nouri	√		2021	MSc	Immunology
18	Evaluation of the frequency of Treg cells and the expression of microRNAs and development factors of Treg cells in patients with premature ovarian failure (POF)	Oldouz Shareghi	√		2021	MSc	Immunology
19	The evaluation of CD73, CD39 and HIF-1 α expression in women with preeclampsia compared with healthy pregnant women	Yousef Yousefzadeh	√		2020	Ph.D	Immunology
20	The association of Treg cells and Th17 cells development factors and Anti-TPO antibodies in RPL patients	Vajihe Samaie	√		2020	Resident	Endocrinology
21	The effects of platelet lysate therapy on cuff tendinopathy	Raha Markazi Movaghar	√		2020	Resident	Physical medicine and rehabilitation
22	Relationship of Telomerase Activity in Patients undergoing Hemodialysis with parathyroid hormone levels	Khadijeh Fereydoonzadeh	√		2020	Resident	Internal diseases (Kidney)
23	Evaluation of parathyroid hormone level with expression of the immune checkpoint inhibitory factors in hemodialysis patients	Zhila Amini	√		2020	Resident	Internal diseases (Kidney)
24	The effect of serum-derived exosomes on patients with ankylosing spondylitis on T lymphocytes	Mehdi Jafarpour	√		2020	Resident	Rheumatology
25	Seroepidemiological investigation of SARS-CoV2 virus infection in hemodialysis patients in Tabriz	Shima Bordbar		√	2020	Resident	Internal diseases (Kidney)
26	Isolation of cfDNA from spent culture	Amin	√		2020	Ph.D	Reproductive

	media and its association with implantation rate and maternal immunomodulation	Alizadegan					Biology
27	The effect of plasma-derived exosomes on the development of T lymphocytes in patients with acute lymphoblastic leukemia (ALL)	Elham Gholipour	√		2020	MSc	Hematology
28	The effect of plant-derived exosomes loaded with Fisetin on the human acute T-cell leukemia cell line (MOLT-4)	Parisa Sarvarian	√		2020	MSc	Hematology
29	The effect of plant-derived exosomes loaded with Berberine on the human acute T-cell leukemia cell line (Jurkat)	Parisa Samadi Darestani	√		2020	MSc	Hematology
30	Evaluation expression of the immune checkpoint inhibitory factors in women with preeclampsia compared with healthy pregnant women	Sahar Madadi	√		2019	Resident	Gynecology
31	The effects of platelet lysate therapy on chronic knee osteoarthritis	Sareh Hosseini		√	2019	Resident	Physical medicine and rehabilitation
32	Effect of oral nanocurcumin on disease activity, expression levels of microRNA and Th17 cells development factors and serum IL-17 and IL-23 level in Behcet patients	Rojin Farzaneh		√	2019	Resident	Rheumatology
33	The role of Th17 cells in the pathogenesis of human membranous nephropathy	Roza Motavalli khiavi	√		2019	Ph.D	Molecular medicine
34	Evaluation of MiRNA326 expression and predictive immunological factors involved in preeclampsia	Mohammad Ali Zolfaghari	√		2019	Ph.D	Molecular medicine
35	The effects of T-cell derived exosomes obtained from osteoporotic patients and healthy individuals on osteoblastic function and gene expression profile.	Mohamad Omidvar	√		2019	Fellowship	Rheumatology
36	Effect of Sirolimus and cyclosporin nanostructured lipid carriers (NLC) on T lymphocytes biology in recurrent pregnancy loss patients	Forough Parhizkar	√		2019	MSc	Immunology
37	Designing and development of a nano biosensor for detection of cis-p- tau	Forugh Chakeri-khiavi	√		2019	MSc	Pharmaceutical Chemistry
38	Assessment of the tauopathy after spinal cord injury and the effect of immunotherapy on injury complications in central nervous system of male mouse	Elnaz Nakhjiri		√	2019	Ph.D	Physiology
39	Cosilencing of CD73 and ZEB1 molecules in murine 4T1 breast cancer cells in order to suppress cancer cell growth and development.	Khalid Oda Alzamely		√	2019	MSc	Immunology
40	Evaluation of the inflammatory factors in	Gisoo Jabalie	√		2018	Resident	Gynecology

	women with preeclampsia and diabetic women with preeclampsia compared with healthy pregnant women						
41	Evaluation of the frequency of Treg and Th17 cells, their associated transcription factors, pro-inflammatory and anti-inflammatory cytokines in the peripheral blood of Ankylosing Spondylitis patients with metabolic syndrome and AS patients without metabolic syndrome	Bahareh Amanifar	√		2018	Fellowship	Rheumatology
42	Frequency and development factors analysis of B cells subsets (Breg, memory B cells, IFN- γ producing B cells) in Recurrent Implantation Failure (RIF) patients	Ladan Koushaeian	√		2018	Resident	Gynecology
43	kinetic and thermodynamic study of scFv fragments interaction with c-Met by using phage-based surface plasmon resonance (SPR) method	Farzaneh Ghorbani	√		2018	MSc	Immunology
44	Design and production of anti body-based nanoscale biosensor for detection of ROR-1 biomarker	Rozita Abolhasan	√		2018	MSc	Immunology
45	Designing nano phage-based biosensor for detection of C-Met protein	Ramin Pourakbari	√		2018	MSc	Immunology
46	Design and production of phage-based nano scale biosensor for detection of ROR-1 biomarker	Amin Kamrani	√		2018	MSc	Immunology
47	Combinatorial inhibition of hypoxia inducible factor- α (HIF-1 α), CD73 and cyclin dependent kinases (CDKs) in cancer cell lines, in vitro	Farnaz Hajizadeh		√	2018	MSc	Immunology
48	The effect of peripheral blood mononuclear cells (PBMC) on pregnancy outcomes in patients with recurrent implantation failure (RIF)	Zahra Pourmoghadam	√		2018	MSc	Immunology
49	Inflammation Factors and Oxidative Stress in Recurrent implantation failure (RIF) Patients With and Without Metabolic Syndrome	Golshan Sheikhsari	√		2018	MSc	Immunology
50	Investigation of Inflammation Factors and Oxidative Stress in Recurrent Pregnancy Loss(RPL) Patients With and Without Metabolic Syndrome	Ramyar Azizi	√		2018	MSc	Immunology
51	Investigation of the effect of the nanoparticles loaded with siRNA molecules against STAT3 and NIK along with BV6 on the tumor cell's proliferation and viability.	Afshin Nikkhoo		√	2018	MSc	Immunology
52	Investigating the effect of substitution of acellular wharton's jelly for FBS on the	Yoda Yaghoubi	√		2018	MSc	Hematology

	myloid and lymphoid lineage specific markers and proliferation pattern of CD34+ cells following co-culture with Mesenchymal Stem Cells						
53	The effect of Acellular Wharton Jelly-derived exosomes on the differentiation of CD34 stem cells into lymphoid and myeloid lineage	Hossein Abbaszadeh	√		2018	MSc	Hematology
54	Evaluating the expression level of UBE2B and CX3CR1 genes in sperm cells of infertile patients	Yousef Daneshmand pour	√		2018	MSc	Genetics
55	Frequency and function of T follicular lymphocytes in women with preeclamsia in comparison to normal pregnant women	Hanieh Heydarlou	√		2017	MSc	Immunology
56	Evaluation of TH17 and Treg frequency and development factors in pre-eclampsia patients compared to normal pregnant women	Shadi Eghbalfard	√		2017	MSc	Immunology
57	IVIG exhausted T cells and the assessment of the effect on live birth in women with recurrent pregnancy loss due to immunological causes	Sara Jafarzadeh	√		2017	Resident	Gynecology
58	Evaluation of time dependent variation in T lymphocyte subsets of kidney allograft recipients	Hamid Mortazavi		√	2016	Resident	Internal diseases
59	The effects of oral nanocurcumin on expression levels of microRNAs and Treg cells and Th17 cells development factors in multiple sclerosis patients	Sanam Dolati	√		2016	Ph.D	Immunology
60	Effect of Rapamycin on Pregnancy Rate of Patient with Recurrent Implantation Failure with Immunological Causes	Majid Ahmadi	√		2016	Ph.D	Immunology
61	Investigation of frequency and epigenetic factors of T reg, Th17 and exhausted T cells in recurrent pregnancy loss (RPL) patients	Samaneh Abdolmohammadi	√		2016	MSc	Immunology
62	Frequency and epigenetic factors analysis of Treg, Th17 and exhausted T cells in Recurrent Implantation Failure (RIF) patients	Mahnaz Ghaebi	√		2016	MSc	Immunology
63	Effect of chitosan nano-particles containing IGF-1R siRNA and Doxorubicin on A549 cell line of lung cancer	Hajar Shali	√		2015	MSc	Immunology
64	Suppression of MDR1 (ABCB1) gene expression by small interference RNA (siRNA) and evaluation of drug resistance in Oxaliplatin resistant human colon cancer cell line (SW 480)	Nooshin Montazemi		√	2015	MSc	Immunology

65	Purification of F(ab')₂ fragment from human serum IgG and production and purification of polyclonal antibody against it in rabbit	Hadi Nasiri		√	2015	MSc	Immunology
66	Production and purification of polyclonal antibodies against human Kappa light chain in rabbit	Mozhgan Sprorinha		√	2015	MSc	Immunology
67	The effects of oral crucumin on expression levels of miRNA145 in multiple sclerosis patients	Sevil Sadreddini	√		2015	MSc	Biology
68	Determine the effect of tacrolimus on the expression of factors involved in embryo implantation in patients with recurrent implantation failure with immunological reasons	Zahra Bahrami Asl		√	2015	Ph.D	Reproductive Biology
69	Production and purification of F(ab')₂ fragment of rabbit polyclonal anti-human IgG	Zahra Valed Karimi		√	2015	MSc	Immunology
70	Isolation and characterization of Anti ROR1 scFv fragment by Phage display technique	Leili Aghebati	√		2014	Ph.D	Immunology
71	Effect of HMGA2 siRNA and Doxorubicin loaded chitosan nano-particles on growth, metastasis and apoptosis of metastatic lung cancer cell line (A549)	Mehrnosh Seifi	√		2014	MSc	Biology
72	Assessment of Vascular endothelial growth factor and matrix mrtaloproteinase-9 gene expression in human Hep-G2 cell line co-cultured with Oryzatensin	Meysam Barati	√		2014	MSc	Nutrition science
73	Isolation and characterization of Anti 4-1BB scFv fragment by Phage display technique	Salman Bagheri	√		2014	MSc	Immunology
74	Potential activation mechanism of purified human B lymphocytes treated with Leishmania major LPG3 through TLR2 signaling	Mostafa Haji Fatahaliha	√		2014	MSc	Immunology
75	Isolation and characterization of Anti-insulin-like growth factor 1 receptor (IGF1-R) scFv fragment by Phage display technique	Morteza motalebnejad	√		2014	MSc	Immunology
76	Isolation and characterization of anti Fzd7 Scfv fragment by phage display technique	Hamid Nikkho	√		2014	MSc	Immunology
77	Effect of HMGA2 siRNA and Doxorubicin						

	loaded chitosan nano-particles on growth, apoptosis and metastasis of metastatic breast cancer cell line (MDA-MB-231)	Peyman Eivazi	√		2014	MSc	Immunology
78	Effect of Snail siRNA and Doxorubicin loaded chitosan nano-particles on growth, metastasis and apoptosis of metastatic prostate cancer cell line(PC-3)	Amir Afkham	√		2014	MSc	Immunology
79	Effect of HMGA2 siRNA and DOXORUBICIN -loaded chitosan nanoparticle on HT-29 colorectal cancer cell line growth, metastasis and migration	Homayoon Siahmansoori	√		2014	MSc	Immunology
80	Isolation and characterization of Anti c-Met receptor scFv fragment by Phage display technique	Elmira Safaei	√		2014	MSc	Immunology
81	Effect of IL17RB siRNA and Doxorubicin loaded nanoparticle on MDA-MB 361 line growth, apoptosis breast cancer cell and invasion	Vahideh Alinejad	√		2014	MSc	Immunology
82	Investigation of Sodium Guluronate effects on miRNA -146a , IRAK1 and TRAF6 expression in HEK-Blue-hTLR4 cell line.	Mahsa Hahivalili	√		2014	MSc	Immunology
83	Potential activation mechanism of purified human T lymphocytes treated with Leishmania major LPG3 through TLR2 signaling	Maryam Hosseini	√		2014	MSc	Immunology
84	Effects of Sodium Mannuronate on miRNA-155, IRAK1 and TRAF6 expression in HEK-Blue-hTLR2	Fatemeh Pourgholi	√		2014	MSc	Immunology
85	The potential activation mechanism leishmania major LPG3 on IFNγ and TNF-α gene expression of human NK cell through through TLR2 signaling	Sanaz Rasolzadeh	√		2014	MSc	Immunology
86	The effect of recombinant tetanus toxin Hcc fragment (rHcc) on purified human T cells as a new vaccine candidate	Saideh Torabi Gudarzi	√		2014	MSc	Immunology
87	Effect of Snail siRNA and Doxorubicin loaded chitosan nano-particles on growth, metastasis and apoptosis of metastatic colorectal cancer cell line (HCT-116)	Sanam Sadreddini	√		2014	MSc	Biology
88	Effect of mucin 1 aptamer conjugated nanoparticles containing docetaxel and IGF-1R siRNA in metastatic breast cancer cells (SKBR3)	Reza Jafari		√	2014	Ph.D	Immunology
89	Investigation of the gene silencing STAT3 effect and use of agonist TLR7/TLR8 IN the immunomodulatory activity of myeloid-derived suppressor cells in patients with breast cancer	Elham Safarzadeh		√	2014	Ph.D	Immunology

90	Assessment of ERAP1 inhibition in free heavy chains expression on peripheral blood mononuclear cell-derived macrophages from spondylitis ankylosing patients and its effects on NK cells responses	Farhad Babaei		√	2014	Ph.D	Immunology
91	Evaluation of ERAP1 inhibition in free heavy chain HLAB-27 expression on peripheral blood mononuclear cell-derived macrophages from patients with ankylosing spondylitis and its effects on TCD8⁺ responses	Hamed Mohammadi		√	2014	Ph.D	Immunology
92	Effect of mucin 1 aptamer conjugated nanoparticles containing docetaxel and c-Met siRNA in metastatic breast cancer cells (SKBR3)	Naeimeh Majidi		√	2014	Ph.D	Pharmacy
93	Suppression of HMGA2 gene expression by a small interference RNA (siRNA) and evaluation of their apoptotic induction effect and cell cycle inhibition in human breast adenocarcinoma cell line (MDA-MB-468)	Behzad mansoori		√	2014	MSc	Immunology
94	Investigation of Cumulus-Granulosa Cell Δ^9-Desaturase Expression and Fatty Acid Composition of Follicular Fluid Triglyceride in Women Undergoing IVF/ICSI	Reza Zarezadeh		√	2014	MSc	Biochemistry
95	The Immunomodulatory effects of polyurethane nanomicell with Arteether in 4T1 cell line and animal bearing breast cancer	Mona Jabbarzadegan		√	2014	MSc	Immunology
96	Suppression of SNAIL1 gene expression by a small interference RNA (siRNA) and evaluation of their effect on metastatic cells in esophageal cancer	Maryam Hemmatzadeh		√	2014	MSc	Immunology
97	Purification of mouse IgG1 subclass, production and purification of rabbit anti mouse IgG1 polyclonal antibody	Majid Ahmadi		√	2013	MSc	Immunology
98	Purification of mouse IgG_{2b} subclass, production and purification of rabbit anti mouse IgG_{2b} polyclonal antibody	Sadegh Eivazi	√		2013	MSc	Immunology

OTHERS

Professional Experiences

- Immunological techniques: such as MTT, TUNEL, cytokine assay, western blotting, ELISA, production of monoclonal antibody, Phage display technique ...
- *Immunofluorescence* and Flow cytometry.
- Standard molecular biology techniques including: DNA and RNA extraction, PCR, Real Time PCR, gene Silencing by siRNA and shRNA, microRNA, RT-PCR Cloning, Expression
- Biochemistry techniques: PAGE, SDS-PAGE, purification techniques including: affinity chromatography, Ion exchange, Gel filtration
- Microbiology techniques including: culture of bacteria
- Animal cell culture technology including Isolation and culture of primary cells, cell line culture, Passage, Transformation, Transfection, Animal manipulation: Immunization, creating Tumor, Immunotherapy of Tumors