

## Curriculum Vitae



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### **PERSONAL INFORMATION**

**Date of Birth:** 14.March.1981

**Nationality:** Iranian

**Marital Status:** Married

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

## **EMPLOYMENT HISTORY**

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

### **Occupation/Position**

Academic and Research member

## **CURRENT STATUS**

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

## **AREAS of RESEARCH INTEREST**

- Reproductive Immunology
- Autoimmunity Diseases
- Rheumatic diseases
- Neurosciences

## **EDUCATIONAL BACKGROUND**

- 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)

## **EDUCATIONAL INFORMATION**

1. Ranking the 1<sup>st</sup> in PhD entrance exam of Medical Immunology (2007).
2. Ranking the 1<sup>st</sup> in M.Sc entrance exam (Ministry of Health) of Medical Immunology (2004).
3. Ranking the 7<sup>th</sup> 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 khangahi, 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 Hajjalilo, **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 Pylori-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 Sheikhsari, 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 Nayebi. 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 Sheikhsari, 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.
- 44- Ramyar Azizi, Mohammad Sadegh Soltani-Zangbar, Golshan Sheikhansari, Zahra Pourmoghadam, Amir Mehdizadeh, Mahdi Mahdipour, Siamak Sandoghchian, Shahla Danaii, Ladan Koushaein, Hossein Samadi Kafil, **Mehdi Yousefi**. Metabolic syndrome mediates inflammatory and oxidative stress responses in patients with recurrent pregnancy loss. *Journal of Reproductive Immunology*,2019. 133, pp. 18-26. DOI: 10.1016/j.jri.2019.05.001.
- 45- Sara Jafarzadeh, Majid Ahmadi, Sanam Dolati, Leili Aghebati-Maleki, Shadi Eghbal-Fard, Amin Kamrani, Behboud Behrad, Leila Roshangar, Farhad Jadidi-Niaragh, Bahman Yousefi, Mahdi Mehdipour, Laya Farzadi, **Mehdi Yousefi**. Intravenous immunoglobulin G treatment increases live birth rate in women with recurrent miscarriage and modulates regulatory and exhausted regulatory T cells frequency and function. *J Cell Biochem.* 2019 Apr;120(4):5424-5434.
- 46- Majid Ahmadi, Samaneh Abdolmohammadi-vahid, Mahnaz Ghaebi, Leili Aghebati-Maleki, Amir Afkham, Shahla Danaii, Sedigheh Abdollahi-Fard, Lida Heidari, Farhad Jadidi-Niaragh, Vahid Younesi, Mohammad Nouri, **Mehdi Yousefi**, Effect of

Intravenous immunoglobulin on Th1 and Th2 lymphocytes and improvement of pregnancy outcome in recurrent pregnancy loss (RPL). *Biomedicine & Pharmacotherapy*, Volume 92, August 2017, Pages 1095-1102.

- 47- Samira Hosseini, Fazel Shokri, Soheila Ansari Pour, Mahmood Jeddi-Tehrani, Shohreh Nikoo, **Mehdi Yousefi**, Amir-Hassan Zarnani. A shift in the balance of T17 and Treg cells in menstrual blood of women with unexplained recurrent spontaneous abortion. *Journal of Reproductive Immunology*, 116 (2016) 13–22.
- 48- Shadi Eghbal-Fard, **Mehdi Yousefi**, Hanieh Heydarlou , Majid Ahmadi, Simin Taghavi , Aliakbar Movasaghpour, Farhad Jadidi-Niaragh, Bahman Yousefi, Sanam Dolati, Mohammad Hojjat-Farsangi, Reza Rikhtegar , Mohammad Nouri , Leili Aghebati-Maleki. The imbalance of Th17/Treg axis involved in the pathogenesis of preeclampsia. *J Cell Physiol*. 2019 Apr;234(4):5106-5116.
- 49- Hanieh Heydarlou , Shadi Eghabl-Fard , Majid Ahmadi, Leili Aghebati-Maleki , Sanam Dolati, Ali Akbar Movassaghpour, Farhad Jadidi-Niaragh , Shahla Danaei , Farzaneh Mahmoudilafout, Mehdi Talebi, Shahrzad Rahimifar, **Mehdi Yousefi** Investigation of follicular helper T cells, as a novel player, in preeclampsia. *J Cell Biochem*. 2019 Mar;120(3):3845-3852. *J Cell Physiol*. 2019 Mar;234(3):2229-2240.
- 50- Majid Ahmadi, Samaneh Abdolmohammadi-Vahid, Mahnaz Ghaebi, Leili Aghebati-Maleki, Sanam Dolati, Laya Farzadi, Aliyeh Ghasemzadeh, Kobra Hamdi, Vahid Younesi, Mohammad Nouri & **Mehdi Yousefi**. Regulatory T cells improve pregnancy rate in RIF patients after additional IVIG treatment. *Systems Biology in Reproductive Medicine* (2017) 1-10.
- 51- Samira Asghari, Amir Valizadeh Dizajeykan, Majid Ahmadi , Abolfazl Barzegari , Reza Rikhtegar , Sanam Dolati , Shahla Danaii, Sedigheh Abdollahi-Fard , Mohammad Nouri , Mahdi Mahdipour, **Mehdi Yousefi**. Evaluation of ovarian cancer risk in granulosa cells treated with steroid-depleted endometriosis serum: Role of NF- $\kappa$ B/RelA and AKT. *J Cell Physiol*. 2018.
- 52- Abdolmohammadi Vahid, S. Ghaebi, M. , Ahmadi, M. , Nouri, M. , Danaei, S. Aghebati-Maleki, L. Mousavi Ardehaie, R. , Yousefi, B., Hakimi, P., Hojjat-Farsangi, M. Rikhtegar, R. **Yousefi, M.** Altered T-cell subpopulations in recurrent pregnancy loss patients with cellular immune abnormalities. *Journal of Cellular Physiology* Volume 234, Issue 4, April 2019.
- 53- Farzaneh, R., Khabbazi, A., Soltani-Zangbar, M.S., (...), Motavalli, R., **Yousefi, M.** Effects of nanocurcumin supplementation on T-helper 17 cells inflammatory response in patients with Behcet's disease: a randomized controlled trial. *Immunopharmacology and Immunotoxicology*.2022. doi: 10.1080/08923973.2022.2026380.
- 54- Jafarpour, M., Omidvar, M.H., Soltani-Zangbar, M.S., (...), Hajjaliloo, M., **Yousefi, M.** The effects of PBMCs-derived exosomes of ankylosing spondylitis patients on T cell

- profiles. *Gene Reports*, 26,101446.2022. <https://doi.org/10.1016/j.genrep.2021.101446>.
- 55- 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*, Volume 141, 2021, <https://doi.org/10.1016/j.cyto.2021.155452>.
- 56- A 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 AghebatiMaleki. Ultrasensitive and label free electrochemical immunosensor for detection of ROR1 as an oncofetal biomarker using gold nanoparticles assisted LDH/rGO nanocomposite. *Sci Rep* 11, 14921 (2021).<https://doi.org/10.1038/s41598-021-94380-5>.
- 57- Farzaneh Ghorbani, Farzaneh Fathi, Leili Aghebati-Maleki, Rozita Abolhasan, Reza Rikhtegar , Jafar Ezzati Nazhad Dolatabadi, Zohreh Babaloo, Balal Khalilzadeh, Majid Ebrahimi-Warkiani, Zahra Sharifzadeh, Mohammad-Reza Rashidi, **Mehdi Yousefi**. Kinetic and thermodynamic study of c-Met interaction with single chain fragment variable (scFv) antibodies using phage based surface plasmon resonance. *Eur J Pharm Sci*. 2020 Jul 1;150:105362. doi: 10.1016/j.ejps.2020.105362. Epub 2020 May 13.
- 58- 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*. 79.2021. <https://doi.org/10.1016/j.cimid.2021.101708>.
- 59- 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, *Mol. Immunol.*, Volume 138, 2021, <https://doi.org/10.1016/j.molimm.2021.06.001>.
- 60- Mahdi Asghari Ozma, Ehsaneh Khodadadi, Mohammad Ahangarzadeh Rezaee, Fadhil S. Kamounah, Mohammad Asgharzadeh, Khodaverdi Ganbarov, Mohammad Aghazadeh, **Mehdi Yousefi**, Tahereh Pirzadeh, Hossein Samadi Kafil, Induction of proteome changes involved in biofilm formation of *Enterococcus faecalis* in response to gentamicin, *Microb. Pathog.*, Volume 157, 2021, <https://doi.org/10.1016/j.micpath.2021.105003>.

- 61- Safa Tahmasebi, Balsam Qubais Saeed, Elmira Temirgalieva, Alexei Valerievich Yumashev, Mohamed A. El-Esawi, Jamshid Gholizadeh Navashenaq, Hamed Valizadeh, Armin Sadeghi, Saeed Aslani, Mehdi Yousefi, Farhad Jadidi-Niaragh, Javad Adigozalou, Majid Ahmadi, Leila Roshangar, Nanocurcumin improves Treg cell responses in patients with mild and severe SARS-CoV2, *Life Sciences*, Volume 276, 2021, <https://doi.org/10.1016/j.lfs.2021.119437>.
- 62- Navneet Joshi, Farnaz Hajizadeh, Ehsan Ansari Dezfouli, Angelina Olegovna Zekiy, Mohsen Nabi Afjadi, Seyedeh Mahboubeh Mousavi, Mohammad Hojjat-Farsangi, Vahid Karpisheh, Ata Mahmoodpoor, Hadi Hassannia, Sanam Dolati, Hamed Mohammadi, **Mehdi Yousefi**, Farhad Jadidi-Niaragh, Silencing STAT3 enhances sensitivity of cancer cells to doxorubicin and inhibits tumor progression, *Life Sciences*, Volume 275, 2021, <https://doi.org/10.1016/j.lfs.2021.119369>.
- 63- Farnaz Hajizadeh, Sadaf Moghadaszadeh Ardebili, Mahdi Baghi Moornani, Ali Masjedi, Fatemeh Atyabi, Melika Kiani, Afshin Namdar, Vahid Karpisheh, Sepideh Izadi, Behzad Baradaran, Gholamreza Azizi, Ghasem Ghalamfarsa, Gholamabas Sabz, **Mehdi Yousefi**, Farhad Jadidi-Niaragh. Silencing of HIF-1 $\alpha$ /CD73 axis by siRNA-loaded TAT-chitosan-spion nanoparticles robustly blocks cancer cell progression. *Eur J Pharmacol.* 2020 Sep 5;882:173235. doi: 10.1016/j.ejphar.2020.173235.
- 64- Afshin Nikkhoo, Narges Rostami, Shohreh Farhadi, Maryam Esmaily, Sadaf Moghadaszadeh Ardebili, Fatemeh Atyabi, Masoumeh Baghaei, Navideh Haghnavaz, **Mehdi Yousefi**, Mohammad Reza Aliparasti, Ghasem Ghalamfarsa, Hamed Mohammadi, Mozhddeh Sojoodi, Farhad Jadidi-Niaragh. Codelivery of STAT3 siRNA and BV6 by carboxymethyl dextran trimethyl chitosan nanoparticles suppresses cancer cell progression. *Int J Pharm.* 2020 May 15;581:119236. doi:10.1016/j.ijpharm.2020.119236. Epub 2020 Mar 30
- 65- Shirin Sadigh parvar, Niloufar Targhazeh, Ansar Karimian, VahidShafiee-Irannejad, Nader Farsad-Akhtar, Sona Rafieian, Aysan Salamati, Milad Bastami, Hossein Samadi Kafila, **Mehdi Yousefi**, Mostafa Mir, Bahman Yousefi, Maryam Majidinia. Downregulation of microRNA-214 and PTEN in tissue samples of patients with breast cancer. *Meta Gene*, 2020 - Elsevier [doi.org/10.1016/j.mgene.2020.100668](https://doi.org/10.1016/j.mgene.2020.100668).
- 66- Mina Aghamali, Pourya Gholizadeh, Seyyed Reza Moaddab, **Mehdi Yousefi**, Mohammad Asgharzadeh, Khudaverdi Ganbarov, Hossein Samadi Kafil, Multi-Drug Resistant (MDR) and carbapenemase co-producing Gram-negative bacilli in northwest of Iran, *Gene Reports*, Volume 23, 2021, <https://doi.org/10.1016/j.genrep.2021.101181>.
- 67- Sima Emadi Allahyari, Farnaz Hajizadeh, Angelina Olegovna Zekiy, Niloofar Mansouri, Parisa Sahami Gilan, Seyedeh Mahboubeh Mousavi, Ali Masjedi, Hadi Hassannia, Majid Ahmadi, Hamed Mohammadi, **Mehdi Yousefi**, Sepideh Izadi, Naime Majidi Zolbanin, Reza Jafari, Farhad Jadidi-Niaragh, Simultaneous inhibition of CD73 and IL-6 molecules by siRNA-loaded nanoparticles prevents the growth and spread of cancer,

Nanomedicine: Nanotechnology, Biology and Medicine, Volume 34, 2021,  
<https://doi.org/10.1016/j.nano.2021.102384>.

- 68- Mohammad Sadegh Soltani-Zangbar, Leili Aghebati-Maleki, Mahsa Hajivalili, Mostafa Haji-Fatahaliha, Roza Motavalli, Ata Mahmoodpoor, Hossein Samadi Kafil, Sara Farhang, Ramin Pourakbari, Farhad Jadidi-Niaragh, Leila Roshangar, Javad Ahmadian Heris, Amin Kamrani, Homayoon Siahmansouri, Maryam Hosseini, Abolfazl Miahipour, Oldouz Shareghi-Oskoue, Forough Parhizkar, **Mehdi Yousefi**, Application of newly developed SARS-CoV2 serology test along with real-time PCR for early detection in health care workers and on-time plasma donation, Gene Reports, Volume 23, 2021, <https://doi.org/10.1016/j.genrep.2021.101140>.
- 69- 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** (2021) Prevalence of SARS-CoV-2 Specific Antibodies in Asymptomatic Hemodialysis Patients, Immunological Investigations, DOI: 10.1080/08820139.2021.1899202.
- 70- Majid Ahmadi , Mehrzad Hajjalilo, Sanam Dolati, Shadi Eghbal-Fard, Hanieh Heydarlou , Mahnaz Ghaebi , Arezou Ghassembaglou, Leili Aghebati-Maleki , Hossein Samadi Kafil , Amin Kamrani , Badrossadat Rahnama , Reza Rikhtegar, **Mehdi Yousefi**. The effects of nanocurcumin on Treg cell responses and treatment of ankylosing spondylitis patients: A randomized, double-blind, placebo-controlled clinical trial. J Cell Biochem. 2020 Jan;121(1):103-110. doi: 10.1002/jcb.28901. Epub 2019 May 9.
- 71- Mehrzad Hajjalilo, Sanam Dolati , Samaneh Abdolmohammadi-Vahid, Majid Ahmadi , Amin Kamrani, Shadi Eghbal-Fard , Arezou Ghassembaglou , Amir Valizadeh, Mohammad Hossein Musavi Shenasi, Leili Aghebati-Maleki , Hossein Samadi Kafil, Amir Mehdizadeh, **Mehdi Yousefi**. Nanocurcumin: A novel strategy in treating ankylosing spondylitis by modulating Th17 cells frequency and function. J Cell Biochem. 2019.
- 72- Morteza Izadi, Safa Tahmasebi, Inna Pustokhina, Alexei Valerievich Yumashev , Tayyebeh Lakzaei, Akbar Ghorbani Alvanegh, Leila Roshangar, Mehdi Dadashpour, **Mehdi Yousefi**, Majid Ahmadi. Changes in Th17 cells frequency and function after ozone therapy used to treat multiple sclerosis patients: Ozone therapy uses to treat multiple sclerosis patients. Mult Scler Relat Disord. 2020 Aug 24;46:102466. doi: 10.1016/j.msard.2020.102466.
- 73- Alireza Pishgahi, Rozita Abolhasan, Seyed Kazem Shakouri, Mohammad Sadegh Soltani-Zangbar, Shahla Dareshiri, Sepideh Ranjbar Kiyakalayeh, Amirghasem Khoeilar, Majid Zamani, Farhad Motavalli Khiavi, Behzad Pourabbas Kheiraddin , Amir Mehdizadeh , **Mehdi Yousefi**. Effect of Dextrose Prolotherapy, Platelet Rich Plasma and Autologous Conditioned Serum on Knee Osteoarthritis: A Randomized Clinical Trial.

- Iran J Allergy Asthma Immunol. 2020 Jun 23;19(3):243-252. doi: 10.18502/ijaai.v19i3.3452
- 74- Yoda Yaghoubi, Ali Hassanzadeh, Adel Naimi, Sepehr Abdolahi , **Mehdi Yousefi** , Leili Aghebati-Maleki , Majid Zamani The Effect of Platelet Lysate on Expansion and Differentiation Megakaryocyte Progenitor Cells from Cord Blood CD34+ enriched Cells. Iran J Ped Hematol Oncol. 2021; 11 (3) :172-182. URL: <http://ijpho.ssu.ac.ir/article-1-599-en.html>
- 75- Majid Zamani, Yoda Yaghoubi, Adel Naimi, Ali Hassanzadeh, Ramin Pourakbari, Leili Aghebati-Maleki, Roza Motavalli, Afsoon Aghlmandi, Amir Mehdizadeh, Mehdi Nazari, **Mehdi Yousefi**, Ali Akbar Movassaghpour. Humanized Culture Medium for Clinical-Grade Generation of Erythroid Cells from Umbilical Cord Blood CD34+ Cells. Adv Pharm Bull, 2021, 11(2), 335-342. doi: 10.34172/apb.2021.031.
- 76- YodaYaghoubi, Majid Zamani, Adel Naimi, Ali Hassanzadeh, Nastaran Gharibeh, Javad Madani, Roza Motevali, Aylin Nikshad ,Afsoon Aghlmandi, Forough Parhizkar, Amir Mehdizadeh, Mehdi Nazari, **MehdiYousefi**, Ali AkbarMovassaghpour. Human CD34+ hematopoietic stem cells culture in humanized culture medium for cell therapy. (2020) Gene Reports, 20 , art. no. 100718.
- 77- Hossein Mehralizadeh , Mohammad Reza Aliparasti, Mehdi Talebi, Shabnam Salekzamani, Shohreh Almasi, Morteza Raeisi, **Mehdi Yousefi**, AliAkbar Movassaghpour. WT-1, BAALC, and ERG Expressions in Iranian Patients with Acute Myeloid Leukemia Pre- and Post-chemotherapy. Adv Pharm Bull, 2021, 11(1), 197-203. doi: 10.34172/apb.2021.021.
- 78- Ahmadi, D, Zarei, M., Rahimi, M., Khazaie, M., Asemi, Z., Mir, S.M., Sadeghpour, A., Karimian, A., Alemi, F., Rahmati-Yamchi, M., Salehi, R., Jadidi-Niaragh, F., Yousefi, M., Khelgati, N., Majidinia, M, Safa, A., Yousefi, B. Preparation and in-vitro evaluation of pH-responsive cationic cyclodextrin coated magnetic nanoparticles for delivery of methotrexate to the Saos-2 bone cancer cells. Journal of Drug Delivery Science and Technology Volume 57, June 2020, Article number 101584. DOI: 10.1016/j.jddst.2020.101584.
- 79- Salman Bagheri, Elmira Safaie Qamsari , **Mehdi Yousefi** , Farhad Riazi-Rad , Zahra Sharifzadeh .Targeting the 4-1BB costimulatory molecule through single chain antibodies promotes the human T-cell response. Cell Mol Biol Lett. 2020 Apr 22;25:28. doi: 10.1186/s11658-020-00219-8. eCollection 2020.
- 80- Pishgahi A, Abolhasan R, Danaii S, Amanifar B, Soltani-Zangbar MS, Zamani M, Kamrani A, Ghorbani F, Mehdizadeh A, Kafil HS, Jadidi-Niaragh F, Yousefi B, Hajjaliloo M, **Yousefi M.**Immunological and oxidative stress biomarkers in Ankylosing Spondylitis patients with or without metabolic syndrome. Cytokine. 2020 Apr;128:155002. doi: 10.1016/j.cyto.2020.155002. Epub 2020 Jan 24.

- 81- Ramin Pourakbari, Mohammad Hossein Mousavi shenasa ,Amin Kamrani, Sanam Dolati, Hossein Abbaszadeh, Majid Zamani, Yoda Yaghoubi, Shahriar Hashemzadeh, MajidAhmadi, Mohammad Hojjat-Farsangi, Amir Mehdizadeh,**Mehdi Yousefi** .Identification of genes and miRNAs associated with angiogenesis, metastasis, and apoptosis in colorectal cancer. 2020 Gene Reports 18,100552, org/10.1016/j.genrep.2019.100552.
- 82- Javad Nezhadi, Hanar Narenji, Mohammad Hossein Soroush Barhaghi, Mohammad Ahangarzadeh Rezaee, Reza Ghotaslou, Tahereh Pirzadeh, Asghar Tanomand, Khudaverdi Ganbarov, Milad Bastami, Masoumeh Madhi, **Mehdi Yousefi**, Hossein Samadi Kafil. Peptide nucleic acid-mediated re-sensitization of colistin resistance Escherichia coli KP81 harboring mcr-1 plasmid. Microbial Pathogenesis, 2019. 135,103646. DOI: 10.1016/j.micpath.2019.103646
- 83- Shahla Danaii , Sadaf Shiri , Sanam Dolati , Majid Ahmadi , Leila Ghahremani-Nasab , Atefeh Amiri , Amin Kamrani , Hossein Samadi Kafil , Forough Chakari-Khiavi , Mohammad Hojjat-Farsangi , Aida Malek Mahdavi , Amir Mehdizadeh , **Mehdi Yousefi** .The association between inflammatory cytokines and miRNAs with slow coronary flow phenomenon. Iran J Allergy Asthma Immunol. 2020 Feb 1;19(1):56-64. doi: 10.18502/ijaai.v19i1.2418.
- 84- Seyed Naser Abdi, Reza Ghotaslou, Mohammad Asgharzadeh, Bahareh Mehramouz, Alka Hasani, Hossein Bannazadeh Baghi, Asghar Tanomand, Hanar Narenji , Bahman Yousefi, Pौरya Gholizadeh, **Mehdi Yousefi**, Milad Bastami, Khudaverdi Ganbarov, Hossein Samadi Kafil .AdeB efflux pump gene knockdown by mRNA mediated peptide nucleic acid in multidrug resistance Acinetobacter baumannii. Microb Pathog. 2020 Feb;139:103825. doi: 10.1016/j.micpath.2019.103825. Epub 2019 Nov 6.
- 85- Hamid Mortazavi, Mohammad Sadegh Soltani-Zangbar, Shadi Eghbal-Fard, Amir Mehdizadeh, Amin Kamrani, Forough Chakeri-Khiavi, Hossein Samadi Kafil, Farhad Jadidi-Niaragh, Shahrzad Rahimifar, Hamid Tayebi Khosroshahi, **Mehdi Yousefi**. Cytokine profile, Treg/Th17 cell frequency changes during different posttransplantational time points in patients undergoing renal transplantation. Journal of Cellular Physiology, 2019. 234(11), pp. 20935-20943.
- 86- Hanar Narenji, Omid Teymournejad, Mohammad Ahangarzadeh Rezaee, Sepehr Taghizadeh, Bahareh Mehramuz, Mohammad Aghazadeh, Mohammad Asgharzadeh, Masoumeh Madhi, Pौरya Gholizadeh, Khudaverdi Ganbarov, **Mehdi Yousefi**, Asrin Pakravan, Tuba Dal , Raman Ahmadi , Hossein Samadi Kafil. Antisense peptide nucleic acids againstftsZ andefaA genes inhibit growth and biofilm formation of Enterococcus faecalis. Microb Pathog. 2020 Feb;139:103907. doi: 10.1016/j.micpath.2019.103907. Epub 2019 Dec 5.
- 87- Gholizadeh P, Safari R, Marofi P, Zeinalzadeh E, Pagliano P, Ganbarov K, Esposito S, Khodadadi E, **Yousefi M**, Samadi Kafil H. .Alteration of liver biomarkers in patients



- with SARS-CoV-2 (COVID-19). *J Inflamm Res.* 2020 Jul 1;13:285-292. doi: 10.2147/JIR.S257078. eCollection 2020.
- 88- Farhad Babaie, Hamed Mohammadi, Maryam Hemmatzadeh, Mehrdad Ebrazeh, Shahram Torkamandi, **Mehdi Yousefi**, Mehrzad Hajaliloo, Alireza Rezaeiemanesh, Sorayya Salimi, Reza Salimi , Elham Safarzadeh , Behzad Baradaran , Zohreh Babaloo. Evaluation of ERAP1 gene single nucleotide polymorphisms in immunomodulation of pro-inflammatory and anti-inflammatory cytokines profile in ankylosing spondylitis. *Immunol Lett.* 2020 Jan;217:31-38. doi: 10.1016/j.imlet.2019.10.016. Epub 2019 Nov 9.
- 89- Hadi Hassannia , Mitra Ghasemi Chaleshtari , Fatemeh Atyabi, Mahshid Nosouhian, Ali Masjedi, Mohammad Hojjat-Farsangi , Afshin Namdar, Gholamreza Azizi, Hamed Mohammadi, Ghasem Ghalamfarsa , Gholamabas Sabz , Sajad Hasanzadeh , **Mehdi Yousefi** , Farhad Jadidi-Niaragh. Blockage of immune checkpoint molecules increases T-cell priming potential of dendritic cell vaccine. *Immunology.* 2020 Jan;159(1):75-87. doi: 10.1111/imm.13126. Epub 2019 Oct 24.
- 90- Narges Rostami , Afshin Nikkhoo, Yalda Khazaei-Poul, Shohreh Farhadi, Melika Sadat Haeri, Sadaf Moghadaszadeh Ardebili, Nasimeh Aghaei Vanda, Fatemeh Atyabi, Afshin Namdar, Masoumeh Baghaei, Navideh Haghnavaz, Tohid Kazemi, **Mehdi Yousefi** , Ghasem Ghalamfarsa, Gholamabas Sabz , Farhad Jadidi-Niaragh Coinhibition of S1PR1 and GP130 by siRNA-loaded alginate-conjugated trimethyl chitosan nanoparticles robustly blocks development of cancer cells . *J Cell Physiol.* 2020 May 18. doi: 10.1002/jcp.29781.
- 91- Leila Youssefian, Hassan Vahidnezhad, **Mehdi Yousefi** , Amir Hossein Saeidian, Arghavan Azizpour, Andrew Touati, Neda Nikbakht , Kambiz Kamyab- Hesari , Mohammad Mahdi Adib-Sereshki , Sirous Zeinali, Behzad Mansoori , Ali Jazayeri, Razieh Karamzadeh , Paolo Fortina, Emmanuelle Jouanguy, Jean-Laurent Casanova, Jouni Uitto. Inherited Interleukin 2-Inducible T-Cell (ITK) Kinase Deficiency in Siblings With Epidermodysplasia Verruciformis and Hodgkin Lymphoma. *Clin Infect Dis.* 2019.
- 92- Karimi, N. Ghanbarzadeh, B. Hajibonabi, F. Hojabri, Z. Ganbarov, K. Kafil, H.S. , Hamishehkar, H. , **Yousefi, M.** , Mokarram, R.R. Kamounah, F. Yousefi, B.h, Moaddab, S. Turmeric extract loaded nanoliposome as a potential antioxidant and antimicrobial nanocarrier for food applications. *Food Bioscience* Volume 29, June 2019, Pages 110-117.
- 93- Raman Ahmadi, Asghar Tanomand, Fahimeh Kazeminava, Fadhil S Kamounah, Ali Ayaseh, Khudaverdi Ganbarov, **Mehdi Yousefi**, Adib Katourani, Bahman Yousefi, Hossein Samadi Kafil. Fabrication and characterization of a titanium dioxide (TiO<sub>2</sub>) nanoparticles reinforced bio-nanocomposite containing miswak (*salvadora persica* L.) extract - The antimicrobial, thermo-physical and barrier properties. *International Journal of Nanomedicine*, 2019. 14, pp. 3439-3454

- 94- Rahimi, M. Karimian, R. Email Author, Noruzi, E.B. , Ganbarov, K. , Zarei, M. , Kamounah, F.S. Yousefi, B.Bastami, M. **Yousefi, M.** Kafil, H.S. Needle-shaped amphoteric calix[4]arene as a magnetic nanocarrier for simultaneous delivery of anticancer drugs to the breast cancer cells. *International Journal of Nanomedicine* Open Access Volume 14, 2019, Pages 2619-2636.
- 95- Sanam Dolati, Zohreh Babaloo, Hormoz Ayromlou, Majid Ahmadi, Reza Rikhtegar, Davood Rostamzadeh, Leila Roshangar, Mohammad Nouri, Amir Mehdizadeh, Vahid Younesi, **Mehdi Yousefi**. Nanocurcumin improves regulatory T-cell frequency and function in patients with multiple sclerosis. *J Neuroimmunol.* 2019 Feb 15;327:15-21.
- 96- Gisoo Jabalie, Majid Ahmadi, Ladan Koushaeian, Shadi Eghbal-Fard, Amir Mehdizadeh, Amin Kamrani, Sedigheh Abdollahi-Fard, Laya Farzadi, Mohammad Hojjat-Farsangi, Mohammad Nouri, **Mehdi Yousefi**. Metabolic syndrome mediates proinflammatory responses of inflammatory cells in preeclampsia. *American Journal of Reproductive Immunology*, 2019. 81(3),e13086. DOI: 10.1111/aji.13086
- 97- Navid Shomali , Naghmeh Shirafkan , Pascal H.G. Duijf , Mehri Ghasabi , Zohreh Babaloo, **Mehdi Yousefi** , Behzad Mansoori , Milad Asadi , Dariush Shanehbandi , Elham Baghbani , Ali Mohammadi , Behzad Baradaran. Downregulation of miR-146a promotes cell migration in Helicobacter pylori-negative gastric cancer. *J Cell Biochem.* 2018.
- 98- Hamed Mohammadi, Farhad Babaie, Maryam Hemmatzadeh, Gholamreza Azizi, Mehrzad Hajaliloo, Ali Asghar Ebrahimi, Tohid Kazemi, **Mehdi Yousefi**, Alireza Rezaeiemanesh, Elham Safarzadeh, Elham Baghbani, Jafar Majidi, ,Behzad Baradaran. Evaluation of ERAP1 Gene Single Nucleotide Polymorphism in Impressing the Inflammatory Cytokine Profile of Ankylosing Spondylitis Patients. *Iran J Allergy Asthma Immunol.* 2018 Oct 20;17(5):464-474.
- 99- Samira Asghari, Amir Valizadeh, Leili Aghebati-Maleki, Mohammad Nouri, **Mehdi Yousefi**. Endometriosis: Perspective, lights, and shadows of etiology. *Biomedicine and Pharmacotherapy*, 2018. 106, pp. 163-174. DOI: 10.1016/j.biopha.2018.06.109
- 100- Majid Ahmadi, **Mehdi Yousefi** , Sanaz Abbaspour-Aghdam , Sanam Dolati , Leili Aghebati-Maleki, Shadi Eghbal-Fard , Alireza Khabbazi , Davood Rostamzadeh, Shahriar Alipour, Mahdi Shabani, Mohammad Nouri , Zohreh Babaloo. Disturbed Th17/Treg balance, cytokines, and miRNAs in peripheral blood of patients with Behcet's disease. *J Cell Physiol.* 2019 Apr;234(4):3985-3994.
- 101- Elham Safarzadeh, Shahryar Hashemzadeh, Pascal H.G. Duijf , Behzad Mansoori, Vahid Khaze, Ali Mohammadi, Tohid Kazemi, **Mehdi Yousefi** , Milad Asadi , Hamed Mohammadi , Farhad Babaie, Behzad Baradaran. Circulating myeloid-derived suppressor cells: An independent prognostic factor in patients with breast cancer. *J Cell Physiol.* 2019 Apr;234(4):3515-3525.

- 102- Jafari R, Majidi Zolbanin N, Majidi J, Atyabi F, **Yousefi M**, Jadidi-Niaragh F, Aghebati-Maleki L, Shanebandi D, Soltani Zangbar MS, Rafatpanah H. Anti-Mucin1 Aptamer-Conjugated Chitosan Nanoparticles for Targeted Co-Delivery of Docetaxel and IGF-1R siRNA to SKBR3 Metastatic Breast Cancer Cells. *Iran Biomed J.* 2019 Jan;23(1):21-33
- 103- Sanam Dolati, Majid Ahmadi, Leili Aghebati Maleki, Abbas Nikmaram, Faroogh Marofi, Reza Rikhtegar, Hormoz Ayromlou, **Mehdi Yousefi**. Nanocurcumin is a potential novel therapy for multiple sclerosis by influencing inflammatory mediators. *Pharmacol Rep.* 2018 Dec;70(6):1158-1167.
- 104- Naime Majidi Zolbanin, Reza Jafari, Jafar Majidi, Fatemeh Atyabi, **Mehdi Yousefi**, Farhad Jadidi-Niaragh, Leili Aghebati-Maleki, Dariush Shanebandi, Mohammad-Sadegh Soltani Zangbar, Alireza Mohajjel Nayebi. Targeted co-delivery of docetaxel and cMET siRNA for treatment of mucin1 overexpressing breast cancer cells. *Advanced Pharmaceutical Bulletin*, 2018. 8(3), pp. 383-393.
- 105- Hemmatzadeh M, Mohammadi H, Babaie F, **Yousefi M**, Ebrazezh M, Mansoori B, Shanebandi D, Baradaran B. Snail-1 Silencing by siRNA Inhibits Migration of TE-8 Esophageal Cancer Cells Through Downregulation of Metastasis-Related Genes. *Adv Pharm Bull.* 2018 Aug;8(3):437-445..
- 106- Sanam Dolati, Majid Ahmadi, Mohammad Khalili, Ali Akabar Taheraghdam, Homayoon Siahmansouri, Zohreh Babaloo, Leili Aghebati-Maleki, Farhad Jadidi-Niaragh, Vahid Younesi, **Mehdi Yousefi**. Peripheral Th17/Treg imbalance in elderly patients with ischemic stroke . *Neurological Sciences* .2018.
- 107- Hassan Dianat-Moghadam, Mohsen Rokni, Faroogh Marofi, Yunes Panahi, **Mehdi Yousefi**. Natural killer cell-based immunotherapy: From transplantation toward targeting cancer stem cells. *Journal of Cellular Physiology*, 2018. 234(1), pp. 259-273
- 108- Sanam Dolati, Majid Ahmadi, Reza Rikhtegar, Zohreh Babaloo, Hormoz Ayromlou, Leili Aghebati-Maleki, Mohammad Nouri, **Mehdi Yousefi**. Changes in Th17 cells function after nanocurcumin use to treat multiple sclerosis. *International Immunopharmacology*.2018.
- 109- Sina Baharaghdam, **Mehdi Yousefi**, Aliakbar Movasaghpour, Saeed Solali, Mehdi Talebi, Milad Ahani-Nahayati, Hamid Lotfimehr and Karim Shamsasanjan. Effects of Hypoxia on Biology of Human Leukemia T-cell Line (MOLT-4 cells) Co-cultured with Bone Marrow Mesenchymal Stem Cells *Avicenna J Med Biotech* 2018; 10(2): 62-68.
- 110- Hajar Shali, Mahdi Shabani, Fatemeh Pourgholi, Mahsa Hajivalili, Leili Aghebati-Maleki, Farhad Jadidi-Niaragh, Behzad Baradaran, Ali Akbar, Movassaghpour Akbari, Vahid Younesi & **Mehdi Yousefi**. Co-delivery of insulin-like growth factor 1

- receptor specific siRNA and doxorubicin using chitosan-based nanoparticles enhanced anticancer efficacy in A549 lung cancer cell line. *Artificial Cells, Nanomedicine, and Biotechnology*. 2018 Mar;46(2):293-302.
- 111- Alireza Mardomi, Mohammad Nouri, Laya Farzadi, Nosratollah Zarghami, Amir Mehdizadeh, **Mehdi Yousefi**, Dariush Shanebandi, Maghsod Shaaker & Masoud Darabi , Human charcoal-stripped serum supplementation enhances both the stearyl-coenzyme a desaturase 1 activity of cumulus cells and the in vitro maturation of oocytes, *Human Fertility*,2018.
- 112- Hossein Nikkhah, Elham Safarzadeh, Karim Shamsasenjan, **Mehdi Yousefi**, Parisa Lotfinejad, Mehdi Talebi, Mozhdde Mohammadian, Farhoud Golafshan, and Aliakbar Movassaghpour, The Effect of Bone Marrow Mesenchymal Stem Cells on the Granulocytic Differentiation of HL-60 Cells, *Turkish Journal of Hematology*. 2018;35:42-48.
- 113- Ghasem Ghalamfarsa, Ali Rastegari, Fatemeh Atyabi, Hadi Hassannia, Mohammad Hojjat-Farsangi, Amir Ghanbari, Enayat Anvari, Jamshid Mohammadi, Gholamreza Azizi, Ali Masjedi, **Mehdi Yousefi**, Bahman Yousefi, Jamshid Hadjati, , Farhad Jadidi-Niaragh, Anti-angiogenic effects of CD73-specific siRNA-loaded nanoparticles in breast cancer-bearing mice, *Journal of Cellular Physiology*.2018.
- 114- Amir Afkham, Leili Aghebati Maleki , Homayoon Siahmansouri, Sanam Sadreddini, Majid Ahmadi, Sanam Dolati, Nahid Manafi Afkham, Parvin Akbarzadeh , Farhad Jadidi-Niaragh, Vahid Younesi, **Mehdi Yousefi**. Chitosan (CMD)-mediated co-delivery of SN38 and Snail-specific siRNA as a useful anticancer approach against prostate cancer. *Pharmacological Reports*. 2017.
- 115- Sanam Dolati, Leili Aghebati-Maleki, Majid Ahmadi, Faroogh Marofi, Zohreh Babaloo, Hormoz Ayramloo, Zahra Jafarisavari, Hamid Oskouei, Amir Afkham, Vahid Younesi, Mohammad Nouri, **Mehdi Yousefi**. Nanocurcumin restores aberrant miRNA expression profile in multiple sclerosis, randomized, double-blind, placebo-controlled trial 2017.
- 116- Amir Mehdizadeh, Mohammad Hossein Somi, Masoud Darabi, Safar Farajnia, Abolfazl Akbarzadeh, Soheila Montazersaheb, **Mehdi Yousefi** & Mortaza Bonyadi, Liposome-mediated RNA interference delivery against Erk1 and Erk2 does not equally promote chemosensitivity in human hepatocellular carcinoma cell line HepG2 *Artificial Cells, Nanomedicine, and Biotechnology*,2017.
- 117- Maryam Hosseini, Mostafa Haji-Fatahaliha, Abolfazl Miahipour, **Mehdi Yousefi**, New insights to structure and immunological features of Leishmania lipophosphoglycan3, *Biomedicine & Pharmacotherapy*, Volume 95, November 2017, Pages 1369-1374.
- 118- Meisam Barati, **Mehdi Yousefi**, Mehrangiz Ebrahimi-Mameghani, Hamed

- Mohammadi, Balal Brazvan, Hamid Nickho, Mehdi Fouladi, Mohammad Mohammadi, Oryzatensin-stimulated PBMCs Increase Cancer Progression In-vitro. *Iranian Journal of Allergy, Asthma and Immunology* 2017. 16(2):120-126.
- 119- Mona Jabbarzadegan, Hajar Rajayi, Mirza Ali Mofazzal Jahromi, Hamid Yeganeh, **Mehdi Yousefi**, Zuhair Muhammad Hassan, Jafar Majidi. Application of arteether-loaded polyurethane nanomicelles to induce immune response in breast cancer model. *Artificial Cells, Nanomedicine and Biotechnology*, 2017. 45(4), pp. 808-816
- 120- Leili Aghebati-Maleki, Vahid Younesi, Behzad Baradaran, Jalal Abdolalizadeh, Morteza Motallebnezhad, Hamid Nickho, Dariush Shanehbandi, Jafar Majidi, and **Mehdi Yousefi**. Antiproliferative and Apoptotic Effects of Novel Anti-ROR1 Single-Chain Antibodies in Hematological Malignancies, *SLAS Discovery*, 2017, Vol. 22(4) 408–417.
- 121- Shirin Sam Daliri, Hossein Samadi Kafil, Mohammad Aghazadeh, Abolfazl Fateh, **Mehdi Yousefi**, Seyed Davar Siadat . Extraction and biological evaluation of the membrane vesicles of mycobacterium tuberculosis (CRBIP7.11) as adjuvant and vaccine candidate. *Jundishapur Journal of Microbiology*, 2017. 10(3), e39953
- 122- Salman Bagheri, **Mehdi Yousefi**, Elmira Safaie Qamsari, Farhad Riazi-Rad Mohsen Abolhassani, Vahid Younesi, Ruhollah Dorostkar, Ali Akbar Movassaghpour and Zahra Sharifzadeh. Selection of single chain antibody fragments binding to the extracellular domain of 4-1BB receptor by phage display technology. *Tumor Biology*, March 2017: 1–13.
- 123- Leili Aghebati Maleki, Vahid Younesi, Farhad Jadidi-Niaragh, Behzad Baradaran, Jafar Majidi, and **Mehdi Yousefi**. Isolation and characterization of anti ROR1 single chain fragment variable antibodies using phage display technique. *Human Antibodies -1* (2015/2016) 1–7.
- 124- Hamid Nickho, Vahid Younesi, Leili Aghebati-Maleki, Morteza Motallebnezhad, Jafar Majidi Zolbanin, Aliakbar Movassagh Pour, and **Mehdi Yousefi**, Developing and characterization of single chain variable fragment (scFv) antibody against frizzled 7 (Fzd7) receptor, *BIOENGINEERED*, 2017, VOL. 8, NO. 5, 501–510
- 125- Elmira Safaie Qamsari, Zahra Sharifzadeh, Salman Bagheri, Farhad RiaziRad, Vahid Younesi, Mohsen Abolhassani, Sepideh Safaei Ghaderi, Behzad Baradaran, Mohammad Hossein Somi & **Mehdi Yousefi**. Isolation and characterization of anti c-met single chain fragment variable (scFv) antibodies. *Journal of Immunotoxicology*, 2017.
- 126- Morteza Motallebnezhad, Vahid Younesi, Leili Aghebati-Maleki, Hamid Nickho, Elham Safarzadeh, Majid Ahmadi, Ali Akbar Movassaghpour, Ahmad Hosseini, **Mehdi Yousefi**. Antiproliferative and apoptotic effects of a specific anti-insulin-like growth factor I receptor single chain antibody on breast cancer cells *Tumor Biology*, 37 (11).

- 127- Sanam Sadreddini, Reza Safaralizadeh, Behzad Baradaran , Leili Aghebati-Maleki ,Mohammad Ali Hosseinpour-Feizi, Dariush Shanehbandi, Farhad Jadidi-Niaragh,Sevil Sadreddini, Hossein Samadi Kafil, Vahid Younesi, **Mehdi Yousefi**. Chitosan nanoparticles as a dual drug/siRNA delivery system for treatment of colorectal cancer. *Immunology Letters* 181 (2017) 79–86.
- 128- Seyed Shahabeddin Mortazavi-Jahromi, Mehdi Malek Jamshidi, Ali Farazmand, Zahra Aghazadeh, **Mehdi Yousefi**, Abbas Mirshafiey. Pharmacological effects of beta-D-mannuronic acid (M2000) on miR-146a, IRAK1, TRAF6 and NF- $\kappa$ B gene expression, as target molecules in inflammatory reactions. *Pharmacological Reports*, 2017. 69(3), pp. 479-484.
- 129- Vahideh Alinejad, Mohammad Hossein Somi, Behzad Baradaran, Parvin Akbarzadeh, Fatemeh Atyabi, Hanif Kazerooni, Hosein Samadi Kafil, Leili Aghebati Maleki, Homayoon Siah Mansouri, **Mehdi Yousefi**. Co-delivery of IL17RB siRNA and doxorubicin by chitosan-based nanoparticles for enhanced anticancer efficacy in breast cancer cells. *Biomedicine & Pharmacotherapy* 83 (2016) 229–240.
- 130- Maryam Hosseini, Mostafa Haji-Fatahaliha, Farhad Jadidi-Niaragh, Jafar Majidi **Mehdi Yousefi**. The use of nanoparticles as a promising therapeutic approach in cancer immunotherapy. *Artificial Cells, Nanomedicine and Biotechnology*, 2016. 44(4), pp. 1051-1061.
- 131- Abed Zahedi Bialvaei, Hossein Samadi Kafil, Mohammad Asgharzadeh, Mohammad Aghazadeh, **Mehdi Yousefi**. CTX-M extended-spectrum-lactamase-producing *Klebsiella* spp, *Salmonella* spp, *Shigella* spp and *Escherichia coli* isolates in Iranian hospitals. *brazilian journal of microbiology* 47 (2016) 706–711.
- 132- Marzieh Aghazadeh, Abed Zahedi Bialvaei, Mohammad Aghazadeh, Fahimeh Kabiri, Negar Saliyani, **Mehdi Yousefi**, Hosein Eslami, Hossein Samadi Kafil. Survey of the antibiofilm and antimicrobial effects of *Zingiber officinale* (In vitro study). *Jundishapur Journal of Microbiology*, 2016. 9(2),e30167
- 133- Fatemeh Ezzatifar, Jafar Majidi, Behzad Baradaran, Leili Aghebati Maleki, Jalal Abdolalizadeh and **Mehdi Yousefi**. Development and characterization of monoclonal antibodies against human IgA in Balb/c mice. *Human Antibodies* 23 (2014/2015) 7–12.
- 134- Farhad Jadidi-Niaragh, Fatemeh Atyabi, Ali Rastegari, Esmail Mollarazi, Melika Kiani, Alireza Razavi, **Mehdi Yousefi**, Nasim Kheshtchin, Hadi Hassannia, Jamshid Hadjati & Fazel Shokri. Downregulation of CD73 in 4T1 breast cancer cells through siRNA-loaded chitosan-lactate nanoparticles. *Tumor Biology*, 37 (6).
- 135- Homayoon Siahmansouri, Mohammad Hossein Somi, Zohreh Babaloo, Behzad Baradaran, Farhad Jadidi-Niaragh, Fatemeh Atyabi, Hamed Mohammadi, Majid Ahmadi and **Mehdi Yousefi**. Effects of HMGA2 siRNA and doxorubicin dual delivery by chitosan nanoparticles on cytotoxicity and gene expression of HT-29 colorectal cancer

- cell line, *Journal of Pharmacy and Pharmacology*, 68(9).
- 136- Sanam Sadreddini, Farhad Jadidi-Niaragh, Vahid Younesi, Tala Poulak, Amir Afkham, Fazel Shokri & **Mehdi Yousefi**. Evaluation of EBV transformation of human memory B-cells isolated by FACS and MACS techniques. *Journal of Immunotoxicology*, 13(4).
- 137- M. Hajivalili, F. Pourgholi, J. Majidi, L. Aghebati-Maleki, A. A. Movassaghpour, H. Samadi Kafil, A. Mirshafiey, M. Yousefi. G2013 modulates TLR4 signaling pathway in IRAK-1 and TARF-6 dependent and miR-146a independent manner. *Cellular and Molecular Biology* 2016, 62 (4): 1-5.
- 138- Hossein Samadi Kafil , Ashraf Mohabati Mobarez , Mehdi Forouzandeh Moghadam ,Zahra sadat Hashemi , **Mehdi Yousefi**. Gentamicin induces efaA expression and biofilm formation in *Enterococcus faecalis*. *Microbial Pathogenesis* 92 (2016) 30-35.
- 139- Seyed Shahabeddin Mortazavi Jahromi, Mehdi Malek Jamshidi, **Mehdi Yousefi**, Shadi Sadat Navabi, Nasrin Motamed, Farzaneh Tofighi Zavareh and Abbas Mirshafiey. Inhibitory effect of G2013 molecule as a novel immunomodulatory agent, on miR-155 gene expression in HEK-Blue hTLR4 cell line. *European Journal of Inflammation*, 14(2),86-92.
- 140- Behnaz Dahri Dahroud, Reza Rezai Mokarram, Mahmoud Sowti Khiabani ,Hamed Hamishehkar, Abed Zahedi Bialvaei, **Mehdi Yousefi**, Hossein Samadi Kafil. Low intensity ultrasound increases the fermentation efficiency of *Lactobacillus casei* subsp. *casei* ATTC 39392, *International Journal of Biological Macromolecules*, 86(2016).
- 141- Hamed Ebrahimzadeh Leylabadlo, Hossein Samadi Kafil, **Mehdi Yousefi**, Mohammad Aghazadeh, Mohammad Asgharzadeh. Persistent infection with MBL and ESBL producer *Morganella morganii* in a Patient with Urinary Tract Infection after Kidney. *The Journal of Natural Science, Biology and Medicine*, 7 (2).
- 142- Mohammad Asgharzadeh, Hossein Samadi Kafil, Ahmad Fahmi, **Mehdi Yousefi**, Mohammad Aghazadeh, Gholam Reza Hanifi And Mahya Pourostadi. Optimizing the use of *Sporosarcina pasteurii* Bacteria for the Stiffening of Sand. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 18 (2).
- 143- Somayeh Azimi, Hossein Samadi Kafil, Hossein Bannazadeh Baghi, Saeed Shokrian, Khadijeh Najaf, Mohammad Asgharzadeh, **Mehdi Yousefi**, Firooz Shahrivar, Mohammad Aghazadeh. Presence of *exoY*, *exoS*, *exoU* and *exoT* genes, antibiotic resistance and biofilm production among *Pseudomonas aeruginosa* isolates in Northwest Iran. *GMS Hygiene and Infection Control*, 11 (4).
- 144- Maryam Hosseini, Mostafa Haji Fatahaliha, Leili Aghebati-Maleki, Aliakbar Movassagh Pour, Sima Rafati, Mehrnush Seifi-Najmi, Vahid Younesi, Farhad Jadidi-Niaragh, and **Mehdi Yousefi**. Recombinant *Leishmania major* lipophosphoglycan 3

- activates human T-lymphocytes via TLR2-independent pathway. *Journal of Immunotoxicology*, 13(2)1-7.
- 145- M. Seifi-Najmi , M. Hajivalili, R. Safaralizadeh, S. Sadreddini, S. Esmaeili, R. Razavi, M. Ahmadi, H. Mikaeili, B. Baradaran, K. Shams-Asenjan, **M. Yousefi**. SiRNA/DOX loaded chitosan based nanoparticles: Development, Characterization and in vitro evaluation on A549 lung cancer cell line. *Cellular and Molecular Biology*, 62(11),87-94.
- 146- Abolfazl Miahipour, Mostafa Haji-Fatahaliha, Hossein Keshavarz, Mohammad Javad Gharavi, Hamed Mohamadi, Zohre Babaloo, Sima Rafati, Vahid Younesi, Maryam Hosseini & **Mehdi Yousefi**. T Helper 1 (Th1), Th2, and Th17 Responses to Leishmania major Lipophosphoglycan 3. *Immunological Investigations*, 45(7).
- 147- Peyman Eivazy, Fatemeh Atyabi, Farhad Jadidi-Niaragh, Leili Aghebati Maleki, Abolfazl Miahipour, Jalal Abdolalizadeh and **Mehdi Yousefi**. The impact of the codelivery of drug-siRNA by trimethyl chitosan nanoparticles on the efficacy of chemotherapy for metastatic breast cancer cell line (MDA-MB-231). *Artificial Cells, Nanomedicine, and Biotechnology*, 45(2016).
- 148- Nasim Asadi Faezi, Abed Zahedi Bialvaei, Hamed Ebrahimzadeh Leylabadlo, Hossein Soleimani, **Mehdi Yousefi**, and Hossein Samadi Kafil. Viral Infections in Patients with Acute Respiratory Infection in Northwest of Iran. *Molecular Genetics, Microbiology and Virology*, 31 (3).
- 149- Fatemeh Pourgholi, Mahsa Hajivalili, Rasoul Razavi, Shadi Esmaeili, Behzad Baradaran, Ali Akbar Movasaghpour, Sanam Sadreddini, Hamidreza Goodarzynejad, Abbas Mirshafiey, and **Mehdi Yousefi**. The Role of M2000 as an Anti-inflammatory Agent in Toll-Like Receptor 2/microRNA-155 Pathway. *Avicenna Journal of Medical Biotechnology*, 9 (1).
- 150- Sanam Sadreddini, Mehrnosh Seifi-Najmi, Babollah Ghasemi, Hossein Samadi Kafil, Vahideh Alinejad, Sevil Sadreddini, Vahid Younesid, Farhad Jadidi-Niaragh and **Mehdi Yousefi**. Design and construction of immune phage antibody library against Tetanus neurotoxin: Production of single chain antibody fragments. *Human Antibodies* 23 (2014/2015) 73–79.
- 151- **Mehdi Yousefi**, Vahid Younesi, Ali Ahmad Bayat, Farhad Jadidi-Niaragh, Ebrahim Abbasi, Alireza Razavi, Roya Khosravi-Eghbal, Hossein Asgarin-Omran, Fazel Shokri. Comparative human and mouse antibody responses against tetanus toxin at clonal level. 2015, *Journal of immunotoxicology*, 1-6.
- 152- Maryam Ghafari Khamene, Saeedeh Torabi Goudarzi, Maryam Hossein, Mostafa Haji-Fatahaliha, Sanam Sadreddini, Mehrnosh Seyfi Najmi, Jafar Majidi, **Mehdi Yousefi**. Response of Human T Cells to Tetanus Neurotoxin HCC Sub-Domain: T Cell



- Cytokine Production and Activation Marker Induced by HCC. 2015, Iranian Journal of Allergy, Asthma and Immunology 14 (5), 519-525.
- 153- Mostafa Haji Fatahaliha, Maryam Hosseini, Sanaz Rasolzadeh, Dariush Shane Bandi, Behzad Baradaran, Farhad Jadidi-Niaragh, **Mehdi Yousefi**. Analysis of human B cell response to recombinant Leishmania LPG3, 2015, Asian Pacific journal of tropical medicine 8 (8), 624-629.
- 154- Saeed Kachalaki, Behzad Baradaran, Jafar Majidi, **Mehdi Yousefi**, Dariush Shanebandi, Sina Mohammadinejad, Behzad Mansoori. Reversal of chemoresistance with small interference RNA (siRNA) in etoposide resistant acute myeloid leukemia cells (HL-60). 2015, Biomedicine & Pharmacotherapy 75, 100-104.
- 155- Sanaz Rasolzadeh, Mostafa Hajifataliha, Maryam Hosseini, Reza JafariI, Abolfazl Miahipour, Sevil Sadreddini, Zohreh Babalo, Hossein Samadi Kafil, **Mehdi Yousefi**. Recombinant LPG3 Stimulates IFN- $\gamma$  and TNF-A Secretion by Human NK Cells, 2015, Iran J Parasitol: Vol. 10, No. 3, Jul -Sep 2015, pp.457-464.
- 156- Y Yazdani, S Mohammadi, **M Yousefi**, F Shokri, Preliminary Assessment of Various Additives on the Specific Reactivity of Anti-rHBsAg Monoclonal Antibodies. 2015, Avicenna Journal of Medical Biotechnology 7 (4), 145-150.
- 157- N. Montazami, M. Kheirandish, J. Majidi, **M.Yousefi**, L. Mohamadnejad, D. Shanebandi, M. A. Estiar, V. Khaze, B. Mansoori, E. Baghbani and B. Baradaran. siRNA--mediated silencing of MDR1 reverses the resistance to oxaliplatin in SW480/OxR colon cancer cells.2015. Cellular & Molecular Biology. 61(2), pp. 98-103
- 158- Maryam Delfan , Khosro Ebrahim , Fatemeh Baesi , Zahra Mirakhori , Ghasem Ghalam farsa , Peyman Bakhshaei , Ali Akbar Saboor-Yaraghi , Alireza Razavi , Maryam Setayesh , **Mehdi Yousefi** , FarhadJadidi-Niaragh. The immunomodulatory effects of fish-oil supplementation in elite paddlers: A pilot randomized double blind placebo-controlled trial. Prostaglandins, Leukotrienes and Essential Fatty Acids , 2015, 99.35–40.
- 159- Khadijeh Najafi , Hossein Samadi Kafil , Saeed Shokrian , Somayeh Azimi, Mohammad Asgharzadeh, **Mehdi Yousefi** and Mohammad Aghazadeh. Virulence Genes and Antibiotic Resistance Profile of Pseudomonas aeruginosa Isolates in Northwest of Iran.2015, JOURNAL OF PURE AND APPLIED MICROBIOLOGY.
- 160- Fatemeh Ezzatifar, Jafar Majidi, Behzad Baradaran, Leili Aghebati Maleki, Jalal Abdolalizadeh, **Mehdi Yousefi**. Large Scale Generation and Characterization of Anti-Human IgA Monoclonal Antibody in Ascitic Fluid of Balb/c Mice. 2015, Advanced pharmaceutical bulletin 5 (1), 97.
- 161- Sadeq Eivazi, Jafar Majidi, Leili Aghebati Maleki, Jalal Abdolalizadeh, **Mehdi Yousefi**, Majid Ahmadi, Somayeh Dadashi, Zahra Moradi, Elmira Zolali. Production and Purification of a Polyclonal Antibody Against Purified Mouse IgG2b in Rabbits

- Towards Designing Mouse Monoclonal Isotyping Kits.2015, Advanced pharmaceutical bulletin 5 (1), 109.
- 162- Farhad Jadidi-Niaragh, **Mehdi Yousefi**, Ali Memarian, Mohammad Hojjat-Farsangi, Jalal Khoshnoodi, Seyed Mohsen Razavi, Mahmood Jeddi-Tehrani, and Fazel Shokri,. Increased Frequency of CD8+ and CD4+ Regulatory T Cells in Chronic Lymphocytic Leukemia: Association With Disease Progression, 2013. Cancer Investigation. . 2013 Feb;31(2):121-31
- 163- **Yousefi M**, Khosravi-Eghbal R, Reza Mahmoudi A, Jeddi-Tehrani M, Rabbani H, Shokri F. Comparative in vitro and in vivo assessment of toxin neutralization by anti-tetanus toxin monoclonal antibodies., Hum Vaccin Immunother. 2013 Oct 14;10(2). [Epub ahead of print]
- 164- **Yousefi M**, Khosravi-Eghbal R, Hemmati A and Shokri F, Production and Characterization of Recombinant Light Chain and Carboxyterminal Heavy Chain Fragments of Tetanus Toxin, Avicenna Journal of Medical Biotechnology, 2013, 4(5), 220-226.
- 165- Ghasemi R , Ghaffari SH, Momeny M, Pirouzpanah S , **Yousefi M**, Malehmir M, Alimoghaddam K & Ghavamzadeh A. Multitargeting and Antimetastatic Potentials of Silibinin in Human HepG-2 and PLC/PRF/5 Hepatoma Cells, Nutrition and Cancer, 2013, 65(4), 590–599.
- 166- Leili Aghebati Maleki, Dariush Shanehbandi 1, Jafar Majidi, **Mehdi Yousefi**, Jalal Abdolalizadeh, Mona Orangi and Behzad Baradaran, Production of Anti-CD14 monoclonal antibody using synthetic peptide of human CD14 as immunizing antigen. Journal of Pediatric Rehabilitation Medicine: An Interdisciplinary Approach 22 (2013) 67–71.
- 167- **Yousefi M**, Tahmasebi F, Younesi V, Razavi A, Khoshnoodi J, Bayat AA, Abbasi E, Rabbani H, Jeddi-Tehrani M, Shokri F, Characterization of neutralizing monoclonal antibodies directed against tetanus toxin fragment C. J Immunotoxicol. 2013, 1-7.
- 168- **Mahdi Yousefi**, Mohammad Reza Vaez Mahdavi, Seyed Mousalreza Hosseini, Abdollah Bahrami, Ali Davati, Mohammad Kamalinejad, Sograt Faghizadeh. Clinical evaluation of commiphora mukul, a botanical resin, in the management of hemorrhoids: A randomized controlled trial. Pharmacognosy Magazine, 2013, 9(36), pp. 350-356.

- 169- Ghasem Ghalamfarsa, Farhad Jadidi-Niaragh, Mohammad Hojjat-Farsangi b, Hossein Asgarian-Omran, **Mehdi Yousefi**, Fathollah Tahmasebi, Jalal Khoshnoodi, Seyed Mohsen Razavi, Ali Akbar Saboor-Yaraghi, Hodjatallah Rabbani, Mahmood Jeddi-Tehrani, Fazel Shokri. Differential regulation of B-cell proliferation by IL21 in different subsets of chronic lymphocytic leukemia. 2013, Cytokine 62, 439–445
- 170- Forough Golsaz Shirazi, Azadeh Raoufi, **Yousefi M**, Hossein Asgarian-Omran, Ali Memarian, Jalal Khoshnoodi, Vahid Younesi, Fazel Shokri. In vitro immunoinhibitory effects of Setarud on human B lymphocyte. Journal of Medicinal Plants Research. 2011 June; 5(11):2223-2231.
- 171- Younesi V, Nikzamir H, **Yousefi M**, Khoshnoodi J, Arjmand M, Rabbani H, Shokri F. Epstein Barr virus inhibits the stimulatory effect of TLR7/8 and TLR9 agonists but not CD40 ligand in human B lymphocytes. Microbiol Immunol. 2010 Sep; 54(9):534-41.
- 172- Noori-Dalooi MR, Momeny M, **Yousefi M**, Shirazi FG, Yaseri M, Motamed N, Kazemialiakbar N, Hashemi S. Multifaceted preventive effects of single agent quercetin on a human prostate adenocarcinoma cell line (PC-3): Implications to nutritional transcriptomics and multi-target therapy. Med Oncol. 2010, 28(4):1395-404.
- 173- **Yousefi M**, Emami AH, A Mirshafiey, Momeny M, Khorramizadeh MR. The Effects of Arsenic Trioxide and Zoledronic Acid on Malignant Plasma Cells Derived from Bone Marrow Cells of Multiple Myeloma Patients. Iranian J Publ Health, 2009, 38(1), 119-126.
- 174- Momeny M, Khorramizadeh MR, Ghaffari SH, **Yousefi M**, Yekaninejad MS, Esmaeili R, Jahanshahi Z, 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. European Journal of Pharmacology, 2008, 591, 13–20.
- 175- Hosseini S. | Ataei Jafari A. | Heshmat Ramin | Parviz M. | Raees Zadeh S. | **Yousefi Mahdi** | Pazhouhi M. Beneficial effects of sour cherry juice consumption on some risk factors of cardiovascular diseases in patients with type 2 diabetes. Iranian Journal of Diabetes and Lipid Disorders, 2006. 5(4), pp. 83-88+E40.

### **Review Papers**

- 1- Narjes Nouri, Olduz Shareghi-Oskoue, Leili Aghebati-Maleki, Shahla Danaii, Javad Ahmadian Heris, Mohammad Sadegh Soltani-Zangbar, Amin Kamrani and **Mehdi Yousefi**. Role of miRNAs interference on ovarian functions and premature ovarian failure. Cell Communication and Signaling, (2022) 20:198. DOI: 10.1186/s12964-022-00992-3.

- 2- Nastaran Gharibeh, Leili Aghebati-Maleki, Javad Madani, Ramin Pourakbari, **Mehdi Yousefi** and Javad Ahmadian Heris. Cell-based therapy in thin endometrium and Asherman syndrome. *Stem Cell Research & Therapy*, 13(33), 1-13. <https://doi.org/10.1186/s13287-021-02698-8>.
- 3- Karpisheh, Vahid and Ahmadi, Majid and Abbaszadeh-Goudarzi, Kazem and Mohammadpour Saray, Mehran and Barshidi, Asal and Mohammadi, Hamed and **Yousefi, Mehdi** and Jadidi-Niaragh, Farhad. The role of Th17 cells in the pathogenesis and treatment of breast cancer. *Cancer Cell International*, 22(1),108. <https://doi.org/10.1186/s12935-022-02528-8>
- 4- Yousef Yousefzadeh, Mohammad Sadegh Soltani-Zangbar, Maryam Hemmatzadeh, Navid Shomali, Ata Mahmoodpoor, Javad Ahmadian Heris, **Mehdi Yousefi**. Fetomaternal Immune Tolerance: Crucial Mechanisms of Tolerance for Successful Pregnancy in Humans. *Immunological Investigations* 2022 May;51(4):1108-1125. doi: 10.1080/08820139.2021.1909061.
- 5- Mohammad Sadegh Soltani-Zangbar, Forough Parhizkar, Mojtaba Abdollahi, Navid Shomali, Leili Aghebati-Maleki, Sima Shahmohammadi Farid, Leila Roshangar, Ata Mahmoodpoor & **Mehdi Yousefi**. Immune system-related soluble mediators and COVID-19: basic mechanisms and clinical perspectives. *Cell Communication and Signaling*, 20(1),131. 20(1):131. doi: 10.1186/s12964-022-00948-7.
- 6- Samaneh Abdolmohammadi-Vahid, Vajihe Samaie, Huriyeh Hashemi, Amir Mehdizadeh, Sanam Dolati, Fatemeh Ghodrati-Khakestar, Mitra Niafar, **Mehdi Yousefi**. Anti-thyroid antibodies and underlying generalized immunologic aberrations in patients with reproductive failures. *Journal of Reproductive Immunology*, 2022 Dec;154:103759. doi: 10.1016/j.jri.2022.103759.
- 7- Javad Madani, Leili Aghebati-Maleki, Nastaran Gharibeh, Ramin Pourakbari, **Mehdi Yousefi**. Fetus, as an allograft, evades the maternal immunity. *Transplant Immunology*, 2022 Dec;75:101728. doi: 10.1016/j.trim.2022.101728.
- 8- Javad Nezhadi, Sepehr Taghizadeh, Ehsaneh Khodadadi, **Mehdi Yousefi**, Khudaverdi Ganbarov, Bahman Yousefi, Hamed Ebrahimzadeh Leylabadlo, Mohammad Asgharzadeh, Asghar Tanomand, Fahimeh Kazeminava and Hossein Samadi Kafil. Antisense Agents against Antibiotic-resistant Bacteria. *Current Pharmaceutical Biotechnology*, 23(15), pp. 1813-1823. doi: 10.2174/1389201023666220114160216.
- 9- Lida Aslanian-Kalkhoran, Mojgan Esparvarinha, Hamid Nickho, Leili Aghebati-Maleki, Javad Ahmadian Heris, Shahla Danaii , **Mehdi Yousefi**. Understanding main pregnancy complications through animal models. *Journal of Reproductive Immunology*, 153,103676. doi: 10.1016/j.jri.2022.103676.
- 10- Ali Ghassabi, Roza Motavalli, Rahim Iranzad, Ramin Pourakbari, Jalal Etemadi, Sanam

- Dolati, **MehdiYousefi**. Potential contribution of the immune system to the emergence of renal diseases. *Immunology Letters*, 248, pp. 1-6 2022 Aug;248:1-6. doi: 10.1016/j.imlet.2022.06.003.
- 11- Yalda Jahanbani, Samira Shafiee, Soodabeh Davaran, Leila Roshangar, Elham Ahmadian, Aziz Eftekhari, Sanam Dolati, **Mehdi Yousefi**. Stem cells technology as a platform for generating reproductive system organoids and treatment of infertility-related diseases. *Cell Biology International*, 46(4), pp. 512-522. doi: 10.1002/cbin.11747.
  - 12- Aila Sarkesh, Amin Daei Sorkhabi, Hamid Ahmadi, Samaneh Abdolmohammadi-Vahid, Forough Parhizkar, **Mehdi Yousefi**, Leili Aghebati-Maleki. Allogeneic lymphocytes immunotherapy in female infertility: Lessons learned and the road ahead. *Life Sciences*, 299,120503. doi: 10.1016/j.lfs.2022.120503.
  - 13- Amin Alizadegan, Hassan Dianat-Moghadam, Nasrin Shadman, Mohammad Nouri, Kobra Hamdi, Alieh Ghasemzadeh, Maryam Akbarzadeh, Parisa Sarvarian, Amir Mehdizadeh, Sanam Dolati, **Mehdi Yousefi**. Application of cell free DNA in ART. *Placenta*, 120, pp. 18-24. doi: 10.1016/j.placenta.2022.02.003.
  - 14- Farzaneh Ghorbani, Ali Akbar Movassaghpour, Mehdi Talebi, **Mehdi Yousefi**, Hossein Abbaszadeh. Renoprotective effects of extracellular vesicles: A systematic review. *Gene Reports*, 26,101491. <https://doi.org/10.1016/j.genrep.2021.101491>.
  - 15- Parisa Sarvarian, Parisa Samadi, Elham Gholipour, Karim Shams Asenjan, Mohammad Hojjat-Farsangi, Roza Motavalli, Farhad Motavalli Khiavi, **Mehdi Yousefi**. Application of Emerging Plant-Derived Nanoparticles as a Novel Approach for Nano-Drug Delivery Systems. *Immunological Investigations*, 51(4), pp. 1039-1059. doi: 10.1080/08820139.2021.1891094.
  - 16- Mahdi Asghari Ozma, Amin Abbasi, Sousan Akrami, Masoud Lahouty, Nayyer Shahbazi, Khudaverdi Ganbarov, Pasquale Pagliano, Sahar Sabahi, Şükran Köse, **Mehdi Yousefi**, Sounkalo Dao, Mohammad Asgharzadeh, Hedayat Hosseini, Hossein Samadi Kafil. Postbiotics as the key mediators of the gut microbiota-host interactions. *Infezioni in Medicina*, 30(2), pp. 180-193. doi: 10.53854/liim-3002-3.
  - 17- Mortaza Raeisi, Leila Hassanbeigi, Fatemeh Khalili, Hengameh Kharrati-Shishavan, **Mehdi Yousefi**, Amir Mehdizadeh. Stearoyl-CoA desaturase 1 as a therapeutic target for cancer: a focus on hepatocellular carcinoma. *Molecular Biology Reports*, 49(9), pp. 8871-8882. doi: 10.1007/s11033-021-07094-2.
  - 18- Mojgan Esparvarinha, Sahar Madadi 3, Lida Aslanian-Kalkhoran, Hamid Nickho, Sanam Dolati, Helen Pia, Shahla Danaii, Simin Taghavi, **Mehdi Yousefi**. Dominant immune cells in pregnancy and pregnancy complications: T helper cells (TH1/TH2, TH17/Treg cells), NK cells, MDSCs, and the immune checkpoints. *Cell Biology International*, 2022 Nov 6. doi: 10.1002/cbin.11955.

- 19- Mohammad Ali Zolfaghari, Farzaneh Ghadiri Moghaddam, Shabnam Rajput, Abbas Karimi, Mohadeseh Naghi Vishteh, Ata Mahmoodpoor, Sanam Dolati, **Mehdi Yousefi**. SARS-CoV-2 vaccines: A double-edged sword throughout rapid evolution of COVID-19. *Cell Biology International*, 46(12), pp. 2009-2017. doi: 10.1002/cbin.11903.
- 20- Tayyebeh Zivari-Ghader, Sanam Dolati, Amir Mehdizadeh, Soodabeh Davaran, Mohammad Reza Rashidi, **Mehdi Yousefi**. Recent scaffold-based tissue engineering approaches in premature ovarian failure treatment. *Journal of Tissue Engineering and Regenerative Medicine*, 16(7), pp. 605-620. doi: 10.1002/term.3306.
- 21- Sarvin Sanaie, Elham Golipour, Ali Shamekh, Mohammad Reza Sadaie, Ata Mahmoodpoor, **Mehdi Yousefi**. Immune response variables and viral mutations impact on COVID-19 reinfection and relapse. *International Immunopharmacology*, 100,108108. doi: 10.1016/j.intimp.2021.108108.
- 22- T Poulak, T Poulak, M Ghodrati, A Mortazavi, S Dolati, **M Yousefi**. Usage of stem cells in oral and maxillofacial region. *Journal of Stomatology, Oral and Maxillofacial Surgery*, 122(4), pp. 441-452. doi: 10.1016/j.jormas.2020.10.003.
- 23- Oldouz Shareghi-oskoue, Leili Aghebati-Maleki & **Mehdi Yousefi** Transplantation of human umbilical cord mesenchymal stem cells to treat premature ovarian failure. *Stem Cell Res Ther* 12, 454 (2021). <https://doi.org/10.1186/s13287-021-02529-w>
- 24- Narges Nouri, Leili Aghebati-Maleki, **Mehdi Yousefi**, Adipose-Derived Mesenchymal Stem Cells: A Promising Tool in the Treatment of pre mature ovarian failure, *Journal of Reproductive Immunology*, Volume 147,2021,<https://doi.org/10.1016/j.jri.2021.103363>.
- 25- Forough Parhizkar, Roza Motavalli-Khiavi, Leili Aghebati-Maleki, Zahra Parhizkar, Ramin Pourakbari, Hossein Samadi Kafil, Shahla Danaii, **Mehdi Yousefi**, The Impact of New Immunological Therapeutic Strategies on Recurrent Miscarriage and Recurrent Implantation Failure, *Immunol. Lett.*, Volume 236,2021, <https://doi.org/10.1016/j.imlet.2021.05.008>.
- 26- Amir Valizadeh, Samira Asghari, Sepideh Bastani, Raana Sarvari, Neda Keyhanvar, Sepideh Jalilzadeh Razin, Alireza Yousefzadeh Khiabani, Bahman Yousefi, **Mehdi Yousefi**, Alireza Shoaee-Hassani, Ata Mahmoodpoor, Hamed Hamishehkar, Shima Tavakol, Saeed Heidari Keshel, Mohammad Nouri, Alexander Marcus Seifalian, Peyman Keyhanvar, Will stem cells from fat and growth factors from blood bring new hope to female patients with reproductive disorders?, *Reprod. Biol*, Volume 21, Issue 2, <https://doi.org/10.1016/j.repbio.2020.100472>.
- 27- Yousef Yousefzadeh, Mohammad Sadegh Soltani-Zangbar, Maryam Hemmatzadeh, Navid Shomali, Ata Mahmoodpoor, Javad Ahmadian Heris & **Mehdi Yousefi** (2021) Fetomaternal Immune Tolerance: Crucial Mechanisms of Tolerance for Successful

Pregnancy in Humans, Immunological Investigations, DOI:  
10.1080/08820139.2021.1909061

- 28- Amin Abbasi, Ali Aghebati-Maleki, **Mehdi Yousefi**, Leili Aghebati-Maleki, Probiotic intervention as a potential therapeutic for managing gestational disorders and improving pregnancy outcomes, *Journal of Reproductive Immunology*, Volume 143, 2021, <https://doi.org/10.1016/j.jri.2020.103244>.
- 29- Mohammad Ali Zolfaghari, Reza Arefnezhad, Forough Parhizkar, Mohammad Saeid Hejazi, Farhad Motavalli Khiavi, Ata Mahmoodpoor, **Mehdi Yousefi**. T lymphocytes and preeclampsia: The potential role of T-cell subsets and related MicroRNAs in the pathogenesis of preeclampsia. *American Journal of Reproductive Immunology*. 2021. <https://doi.org/10.1111/aji.13475>
- 30- Aylin Nikshad, Afsoon Aghlmandi, Reza Safaralizadeh, Leili Aghebati-Maleki, Majid Ebrahimi Warkiani, Farhad Motavalli Khiavi, **Mehdi Yousefi**, Advances of microfluidic technology in reproductive biology, *Life Sciences*, Volume 265, 2021, <https://doi.org/10.1016/j.lfs.2020.118767>.
- 31- Navid Shomali, Maryam Hemmatzadeh, Yousef Yousefzadeh, Mohammad Sadegh Soltani-Zangbar, Kobra Hamdi, Amir Mehdizadeh, **Mehdi Yousefi**. Exosomes: Emerging biomarkers and targets in folliculogenesis and endometriosis. *J Reprod Immunol*. 2020 Jul 21;142:103181. doi: 10.1016/j.jri.2020.103181.
- 32- Ramin Pourakbari, Hamid Ahmadi, **Mehdi Yousefi**, Leili Aghebati-Maleki. Cell therapy in female infertility-related diseases: Emphasis on recurrent miscarriage and repeated implantation failure. *Life Sci*. 2020 Aug 5;258:118181. doi: 10.1016/j.lfs.2020.118181.
- 33- Golshan Sheikhsari, Zahra Pourmoghadam, Shahla Danaii, Amir Mehdizadeh, **Mehdi Yousefi**. Etiology and management of recurrent implantation failure: A focus on intra-uterine PBMC-therapy for RIF. *J Reprod Immunol*. 2020 Jun;139:103121. doi: 10.1016/j.jri.2020.103121.
- 34- Ghahremani-Nasab M, Ghanbari E, Jahanbani Y, Mehdizadeh A, **Yousefi M**. Premature ovarian failure and tissue engineering. *J Cell Physiol*. 2020 May;235(5):4217-4226. doi: 10.1002/jcp.29376. Epub 2019 Oct 29.
- 35- Yalda Jahanbani, Soudabe Davaran , Maryam Ghahremani-Nasab , Leili Aghebati-Maleki , **Mehdi Yousefi**. Scaffold-based tissue engineering approaches in treating infertility. *Life Sci*. 2020 Jan 1;240:117066. doi: 10.1016/j.lfs.2019.117066. Epub 2019 Nov 16.
- 36- Ghanbari E, Khazaei M, Ghahremani-Nasab M, Mehdizadeh A, **Yousefi M**. Novel therapeutic approaches of tissue engineering in male infertility. *Cell Tissue Res*. 2020 Apr;380(1):31-42. doi: 10.1007/s00441-020-03178-w. Epub 2020 Feb 11.

- 37- Hemmatzadeh M, Shomali N, Yousefzadeh Y, Mohammadi H, Ghasemzadeh A, Yousefi M. MicroRNAs: Small molecules with a large impact on pre-eclampsia. *J Cell Physiol.* 2020 Apr;235(4):3235-3248. doi: 10.1002/jcp.29286. Epub 2019 Oct 9.
- 38- Zahra Pourmoghadam, Samaneh Abdolmohammadi-Vahid , Fariba Pashazadeh, Leili Aghebati-Maleki, Freshteh Ansari, **Mehdi Yousefi**. Efficacy of intrauterine administration of autologous peripheral blood mononuclear cells on the pregnancy outcomes in patients with recurrent implantation failure: A systematic review and meta-analysis. *J Reprod Immunol.* 2020 Feb;137:103077. doi: 10.1016/j.jri.2019.103077.
- 39- Abdolmohammadi-Vahid S, Pashazadeh F, Pourmoghaddam Z, Aghebati-Maleki L, Abdollahi-Fard S, **Yousefi M**. The effectiveness of IVIG therapy in pregnancy and live birth rate of women with recurrent implantation failure (RIF): A systematic review and meta-analysis. *J Reprod Immunol.* 2019 Sep;134-135:28-33. doi: 10.1016/j.jri.2019.07.006. Epub 2019 Aug 9.
- 40- Majid Zamani, Yoda Yaghoubi, Aliakbar Movassaghpour, Kazem Shakouri, Amir Mehdizadeh, Alireza Pishgahi, **Mehdi Yousefi**. Novel therapeutic approaches in utilizing platelet lysate in regenerative medicine: Are we ready for clinical use? *Journal of Cellular Physiology*, 2019. 234(10), pp. 17172-17186. DOI: 10.1002/jcp.28496.
- 41- Ramin Pourakbari, Meysam Khodadadi, Ali Aghebati-Maleki, Leili Aghebati-Maleki, **Mehdi Yousefi**. The potential of exosomes in the therapy of the cartilage and bone complications; emphasis on osteoarthritis. *Life Sciences*, 2019. 236,116861. DOI: 10.1016/j.lfs.2019.116861.
- 42- Yoda Yaghoubi, AliAkbar Movassaghpour, Majid Zamani, Mehdi Talebi, Amir Mehdizadeh, **Mehdi Yousefi**. Human umbilical cord mesenchymal stem cells derived-exosomes in diseases treatment. *Life Sciences*, 233,116733. DOI: 10.1016/j.lfs.2019.116733
- 43- Pourmoghadam Z, Abdolmohammadi-Vahid S, Pashazadeh F, Aghebati-Maleki L, Ansari F, **Yousefi M**. Efficacy of intrauterine administration of autologous peripheral blood mononuclear cells on the pregnancy outcomes in patients with recurrent implantation failure: A systematic review and meta-analysis. *J Reprod Immunol.* 2019 Dec 24;137:103077. doi: 10.1016/j.jri.2019.103077.
- 44- Vida Hashemi, Sanam Dolati, Arezoo Hosseini, Tohid Gharibi Shahla Danaii, **Mehdi Yousefi**, Natural killer T cells in Preeclampsia: An updated review. *Biomedicine & Pharmacotherapy*. Volume 95, November 2017, Pages 412-418.
- 45- Arezoo Hosseini, Sanam Dolati, Vida Hashemi, Meghdad Abdollahpour- Alitappeh, **Mehdi Yousefi**. Regulatory T and T helper 17 cells: their roles in preeclampsia. *Journal of Cellular Physiology*.2018.



- 46- Samaneh Abdolmohammadi-Vahid, Shahla Danaii, Kobra Hamdi, Farhad Jadidi-Niaragh, Majid Ahmadi, **Mehdi Yousefi**. Novel immunotherapeutic approaches for treatment of infertility. *Biomedicine & Pharmacotherapy* 84 (2016) 1449–1459.
- 47- Mahnaz Ghaebi, Mohammad Nouri, Aliyeh Ghasemzadeh, Laya Farzadi, Farhad Jadidi-Niaragh, Majid Ahmadi, **Mehdi Yousefi**. Immune regulatory network in successful pregnancy and reproductive failures, *Biomedicine & Pharmacotherapy*, Volume 88, April 2017, Pages 61-73.
- 48- Ramyar Azizi, Leili Aghebati-Maleki, Mohammad Nouri, FarooghMarofi, Sohrab Negargar, **MehdiYousefi**. Stem cell therapy in Asherman syndrome and thin endometrium: Stem cell- based therapy *Biomedicine & Pharmacotherapy*. Volume 102, June 2018, Pages 333-343.
- 49- Golshan Sheikhansari, Leili Aghebati-Maleki, Mohammad Nouri, Farhad Jadidi-Niaragh, **Mehdi Yousefi**, Current approaches for the treatment of premature ovarian failure with stem cell therapy. *Biomedicine & Pharmacotherapy*. Volume 102, June 2018, Pages 254-262
- 50- Amir Afkham, Shadi Eghbal-Fard, Hanieh Heydarlou , Ramyar Azizi, Leili Aghebati-Maleki, **Mehdi Yousefi** . Toll-like receptors signaling network in pre-eclampsia: An updated review. *J Cell Physiol*. 2019 Mar;234(3):2229-2240.
- 51- Zahra Pourmoghadam, Leili Aghebati-Maleki, Morteza Motalebnezhad, Bahman Yousefi, **Mehdi Yousefi**. Current approaches for the treatment of male infertility with stem cell therapy *Journal of Cellular Physiology*.2018.
- 52- Aynaz Mihanfar, Javad Aghazadeh Attari, Iraj Mohebbi , Maryam Majidinia , Mojtaba Kaviani , Mehdi Yousefi , Bahman Yousefi. Ovarian cancer stem cell: A potential therapeutic target for overcoming multidrug resistance. *J Cell Physiol*. 2019 Apr;234(4):3238-3253.
- 53- Hadis Fathizadeh, Saman Afshar, Mahmood, Reza Masoudi, Pourya Gholizadeh, Mohammad Asgharzadeh, Khudaverdi Ganbarov, Şükran Köse, **Mehdi Yousefi**, Hossein SamadiKafil. SARS-CoV-2 (Covid-19) vaccines structure, mechanisms and effectiveness: A review. *Int. J. Biol. Macromol*. Volume 188, 1 October 2021. <https://doi.org/10.1016/j.ijbiomac.2021.08.076>.
- 54- Khodadadi E, Maroufi P, Khodadadi E, Esposito I, Ganbarov K, Esposito S, **Yousefi M**, Zeinalzadeh E, Kafil HS. Study of combining virtual screening and antiviral treatments of the Sars-CoV-2 (Covid-19). *Microb Pathog*. 2020 Sep;146:104241. doi: 10.1016/j.micpath.2020.104241. Epub 2020 May 5
- 55- Roza Motavalli, Walid Kamal Abdelbasset, Heshu Sulaiman Rahman, Muhammad Harun Achmad, Nataliya Klunko Sergeevna, Angelina Olegovna Zekiy, Ali Adili, Farhad Motavalli Khiavi, Faroogh Marofi, **Mehdi Yousefi**, Shadi Ghoreishizadeh,

- Navid Shomali, Jalal Etemadi, Mostafa Jarahian. The lethal internal face of the coronaviruses: Kidney tropism of the SARS, MERS, and COVID19 viruses. *IUBMB Life*. Volume73, Issue 8, August 2021 <https://doi.org/10.1002/iub.2516>.
- 56- Reza Rikhtegar, Pascal J.Mosimann, Jan Rothaupt, Mohammad Mirza-Aghazadeh-Attari, Shahin Hallaj, **Mehdi Yousefi**, Atefeh Amiri, Ebrahim Farashi, Atefeh Kheyrollahiyan, Sanam Dolati. Non-coding RNAs role in intracranial aneurysm: General principles with focus on inflammation. *Life Sciences*. 2021 Aug 1;278:119617. doi: 10.1016/j.lfs.2021.119617.
- 57- Sanam Dolati, Seyed Kazem Shakouri, Neda Dolatkah, **Mehdi Yousefi**, Farhad Jadidi Niaragh, Sarvin Sanaie. The Role of Exosomal Non-coding RNAs in Aging related Diseases. *BioFactors*. 2021 May;47(3):292-310. doi: 10.1002/biof.1715.
- 58- Rahim Iranzad, Roza Motavalli, Ali Ghassabi, Ramin Pourakbari, Jalal Etemadi, **Mehdi Yousefi**, Roles of microRNAs in renal disorders related to primary podocyte dysfunction, *Life Sciences*, Volume 277, 2021, <https://doi.org/10.1016/j.lfs.2021.119463>.
- 59- Mahdi Asghari Ozma, Ehsaneh Khodadadi, Farzaneh Pakdel, Fadhil S. Kamounah, **Mehdi Yousefi**, Bahman Yousefi, Mohammad Asgharzadeh, Khudaverdi Ganbarov, Hossein Samadi Kafil, Baicalin, a natural antimicrobial and anti-biofilm agent, *J. Herb. Med.*, Volume 27, 2021, <https://doi.org/10.1016/j.hermed.2021.100432>.
- 60- Aghlmandi , Afsoon, Aylin Nikshad, Reza Safaralizadeh, Majid Ebrahimi Warkiani, Leili Aghebati-Maleki, and **Mehdi Yousefi**. 2021. "Microfluidics As Efficient Technology for the Isolation and Characterization of Stem Cells: Isolation and Characterization of Stem Cells by Microfluidics". *EXCLI Journal* 20 (February):426-43. <https://doi.org/10.17179/excli2020-3038>.
- 61- Yousefi, Leila Osquee, Hamid Owaysee, Ghotaslou, Reza Rezaee, Mohammad Ahangarzadeh Pirzadeh, Tahereh Sadeghi, Javid Hemmati, Fatemeh Yousefi, Bahman Moaddab, Seyyed Yaghoub, **Yousefi, Mehdi**, Shirmohammadi, Masoud Somi, Mohammad Hossein Ganbarov, Khudaverdi, Kafil, Hossein Samadi. Dysregulation of lncRNA in Helicobacter pylori-Infected Gastric Cancer Cells. *BioMed Research International*. 2021 <https://doi.org/10.1155/2021/6911734>.
- 62- Ata Mahmoodpoor, Sarvin Sanaie, Parisa Samadi, **Mehdi Yousefi** & Nader D. Nader (2021) SARS-CoV-2: Unique Challenges of the Virus and Vaccines, *Immunological Investigations*, 50:7, 802-809, DOI: 10.1080/08820139.2021.1936009
- 63- Ehsan Khodadadi, Leila Fahmideh, Ehsaneh Khodadadi, Sounkalo Dao, **Mehdi Yousefi**, Sepehr Taghizadeh, Mohammad Asgharzadeh, Bahman Yousefi, Hossein Samadi Kafil, "Current Advances in DNA Methylation Analysis Methods", *BioMed Research International*, vol. 2021, Article ID 8827516, 9 pages, 2021. <https://doi.org/10.1155/2021/8827516>

- 64- Motavalli, R., Marofi, F., Nasimi, M., **Yousefi, M.**, Khiavi, F.M. Association of hippo signalling pathway with epigenetic changes in cancer cells and therapeutic approaches: An review Anti-Cancer Agents in Medicinal Chemistry Volume 21, Issue 12. DOI: 10.2174/1871520620666201029112551.
- 65- Parisa Sarvarian, Parisa Samadi, Elham Gholipour, Karim Shams Asenjan, Mohammad Hojjat-Farsangi, Roza Motavalli, Farhad Motavalli Khiavi & **Mehdi Yousefi** (2021) Application of Emerging Plant-Derived Nanoparticles as a Novel Approach for Nano-Drug Delivery Systems. Immunological Investigations, DOI: 10.1080/08820139.2021.1891094
- 66- Bagheri, Y., Barati, A., Aghebati-Maleki, A., Aghebati-Maleki, L., **Yousefi, M.** Current progress in cancer immunotherapy based on natural killer cells. Cell Biology International Volume 45, Issue 1, January 2021. DOI: 10.1002/cbin.11465.
- 67- Farogh Marofi, Ramyar Azizi, Roza Motavalli, Ghasem Vahedi, Maryam Nasimi, **Mehdi Yousefi**, Yalda Motavalli, Safa Tahmasebi, Tohid Gharibi, Rebar N Mohammed, Jalal Etemadi, Farhad M Khiavi. COVID-19: Our Current Knowledge of Epidemiology, Pathology, Therapeutic Approaches, and Diagnostic Methods. Anti-cancer Agents in Medicinal Chemistry. DOI: 10.2174/1871520621666210201101245.
- 68- Fakhri E, Eslami H, Maroufi P, Pakdel F, Taghizadeh S, Ganbarov K, **Yousefi M**, Tanomand A, Yousefi B, Mahmoudi S, Kafil HS. Chitosan biomaterials application in dentistry .Int J Biol Macromol. 2020 Jun 26;162:956-974. doi: 10.1016/j.ijbiomac.2020.06.211.
- 69- Dolati S, Rikhtegar R, Mehdizadeh A, **Yousefi M**.The Role of Magnesium in Pathophysiology and Migraine Treatment. Biol Trace Elem Res. 2020 Aug;196(2):375-383. doi: 10.1007/s12011-019-01931-z. Epub 2019 Nov 5.
- 70- Solmaz Mohammadi, Reza Arefnezhad, Shahla Danaii, **Mehdi Yousefi**.New insights into the core Hippo signaling and biological macromolecules interactions in the biology of solid tumors. Biofactors. 2020 May 22. doi: 10.1002/biof.1634
- 71- Yousefi L, Leylabadlo HE, Poulak T, Eslami H, Taghizadeh S, Ganbarov K, **Yousefi M**, Tanomand A, Yousefi B, Kafil HS..Oral spirochetes: Pathogenic mechanisms in periodontal disease. Microb Pathog. 2020 Jul;144:104193. doi:10.1016/j.micpath.2020.104193. Epub 2020 Apr 15.
- 72- Abolghasemi M, Tehrani SS, Yousefi T, Karimian A, Mahmoodpoor A, Ghamari A, Jadidi-Niaragh F, **Yousefi M**, Kafil HS, Bastami M, Edalati M, Eyvazi S, Naghizadeh M, Targhazeh N, Yousefi B, Safa A, Majidinia M, MicroRNAs in breast cancer: Roles, functions, and mechanism of actions. J Cell Physiol. 2020 Jun;235(6):5008-5029. doi: 10.1002/jcp.29396. Epub 2019 Nov 14.
- 73- Abolghasemi M, Tehrani SS, Yousefi T, Karimian A, Mahmoodpoor A, Ghamari A,

- Jadidi-Niaragh F, **Yousefi M**, Kafil HS, Bastami M, Edalati M, Eyvazi S, Naghizadeh M, Targhazeh N, Mihanfar A, Yousefi B, Safa A, Majidinia M, Rameshknia V. Critical roles of long noncoding RNAs in breast cancer. *J Cell Physiol.* 2020 Jun;235(6):5059-5071. doi: 10.1002/jcp.29442. Epub 2020 Jan 17.
- 74- Jahandideh B, Derakhshani M, Abbaszadeh H, Akbar Movassaghpour A, Mehdizadeh A, Talebi M, **Yousefi M**. The pro-inflammatory cytokines effects on mobilization, self-renewal and differentiation of hematopoietic stem cells. *Hum Immunol.* 2020 May;81(5):206-217. doi: 10.1016/j.humimm.2020.01.004. Epub 2020 Mar 2.
- 75- Shima Bastaki, Mahzad Irandoust, Armin Ahmadi, Mohammad Hojjat-Farsangi, Patrick Ambrose, Shahin Hallaj, Mahdi Edalati, Ghasem Ghalamfarsa, Gholamreza Azizi, **Mehdi Yousefi**, Hengameh Chalajour, Farhad Jadidi-Niaragh .PD-L1/PD-1 axis as a potent therapeutic target in breast cancer. *Life Sci.* 2020 Apr 15;247:117437. doi: 10.1016/j.lfs.2020.117437. Epub 2020 Feb 16.
- 76- Aghebati-Maleki A, Dolati S, Ahmadi M, Baghbanzhadeh A, Asadi M, Fotouhi A, **Yousefi M**, Aghebati-Maleki L. Nanoparticles and cancer therapy: Perspectives for application of nanoparticles in the treatment of cancers. *J Cell Physiol.* 2020 Mar;235(3):1962-1972. doi: 10.1002/jcp.29126. Epub 2019 Aug 22.
- 77- Mahdi Rahimi, Ehsan Bahojb Noruzi , Elham Sheykhsaran , Baharin Ebadi , Zahra Kariminezhad , Morteza Molaparast , Mojtaba Ghanbari Mehrabani , Bahareh Mehramouz , **Mehdi Yousefi** , Raman Ahmadi , Bahman Yousefi , Khudaverdi Ganbarov , Fadhil S Kamounah , Vahid Shafiei-Irannejad 1, Hossein Samadi Kafil. Carbohydrate polymer-based silver nanocomposites: Recent progress in the antimicrobial wound dressings. *Carbohydr Polym.* 2020 Mar 1;231:115696. doi: 10.1016/j.carbpol.2019.115696.
- 78- Hossein Abbaszadeh, Farzaneh Ghorbani , Mehdi Derakhshani , Aliakbar Movassaghpour, **Mehdi Yousefi**. Human umbilical cord mesenchymal stem cell-derived extracellular vesicles: A novel therapeutic paradigm. *J Cell Physiol.* 2020 Feb;235(2):706-717. doi: 10.1002/jcp.29004. Epub 2019 Jun 28.
- 79- Farzaneh Ghorbani, Hossein Abbaszadeh, Jafar Ezzati Nazhad Dolatabadi, Leili Aghebati-Maleki, **Mehdi Yousefi**. Application of various optical and electrochemical aptasensors for detection of human prostate specific antigen: A review. *Biosensors and Bioelectronics*, 2019. 142,111484. DOI: 10.1016/j.bios.2019.111484
- 80- Hossein Abbaszadeh , Farzaneh Ghorbani, Mehdi Derakhshani , Ali Akbar Movassaghpour , **Mehdi Yousefi** , Mehdi Talebi , Karim Shamsasenjan. Regenerative potential of Wharton's jelly-derived mesenchymal stem cells: A new horizon of stem cell therapy. *J Cell Physiol.* 2020 Jun 18. doi: 10.1002/jcp.29810. Online ahead of print
- 81- Gholipour E, Sarvarian P, Samadi P, Talebi M, Movassaghpour A, Motavalli R, Hojjat-Farsangi M, **Yousefi M**. Exosome: From leukemia progression to a novel therapeutic

- approach in leukemia treatment. *Biofactors*. 2020 Aug 14. doi: 10.1002/biof.1669.
- 82- Samadi P, Sarvarian P, Gholipour E, Asenjan KS, Aghebati-Maleki L, Motavalli R, Hojjat-Farsangi M, **Yousefi M**. Berberine: A novel therapeutic strategy for cancer. *IUBMB Life*. 2020 Jul 31. doi: 10.1002/iub.2350.
- 83- Sepideh Izadi , Afshin Nikkhoo , Mohammad Hojjat-Farsangi, Afshin Namdar , Gholamreza Azizi , Hamed Mohammadi , **Mehdi Yousefi** , Farhad Jadidi-Niaragh. Cdk1 in breast cancer: Implications for theranostic potential. *Anticancer Agents Med Chem*. 2020;20(7):758-767. doi: 10.2174/1871520620666200203125712.
- 84- Abdi SN, Ghotaslou R, Ganbarov K, Mobed A, Tanomand A, Yousefi M, Asgharzadeh M, Kafil HS. *Acinetobacter baumannii* efflux pumps and antibiotic resistance. *Infect Drug Resist*. 2020 Feb 12;13:423-434. doi: 10.2147/IDR.S228089. eCollection 2020.
- 85- Abdi SN, Ghotaslou R, Ganbarov K, Mobed A, Tanomand A, Yousefi M, Asgharzadeh M, Kafil HS. Regulatory T cells in breast cancer as a potent anti-cancer therapeutic target. *Infect Drug Resist*. 2020 Feb 12;13:423-434. doi: 10.2147/IDR.S228089. eCollection 2020.
- 86- Setareh Rezatabar , Ansar Karimian , Vahid Rameshknia, Hadi Parsian, Maryam Majidinia , Tayebeh Azramezani ,Kopi Anupam Bishayee, Ali Sadeghinia, **Mehdi Yousefi** , Mohsen Monirialamdari , Bahman Yousefi. RAS/MAPK signaling functions in oxidative stress, DNA damage response and cancer progression. *J Cell Physiol*. 2019
- 87- Amir Valizadeh , Maryam Majidinia , Hossein Samadi-Kafil , **Mehdi Yousefi** , Bahman Yousefi. The roles of signaling pathways in liver repair and regeneration. *J Cell Physiol*. 2019.
- 88- Leila Karimi, Tahereh Zeinali, Nayer Hosseinahli, Behzad Mansoori, Ali Mohammadi, **Mehdi Yousefi**, Milad Asadi, Sanam Sadreddini, Behzad Baradaran, Dariush Shanehbandi. MiRNA-143 replacement therapy harnesses the proliferation and migration of colorectal cancer cells in vitro. *Journal of Cellular Physiology*, 2019. 234(11), pp. 21359-21368
- 89- Davood Rostamzadeh, **Mehdi Yousefi** , Mohammad Reza Haghshenas, Majid Ahmadi , Sanam Dolati, Zohreh Babaloo. mTOR Signaling pathway as a master regulator of memory CD8+ T-cells, Th17, and NK cells development and their functional properties. *J Cell Physiol*. 2019.
- 90- Amin Kamrani, Iraj Alipourfard, Homayoon Ahmadi-Khiavi, **Mehdi Yousefi**, Davood Rostamzadeh, Morteza Izadi, Majid Ahmadi. The role of epigenetic changes in preeclampsia. *BioFactors*, 2019. 45(5), pp. 712-724
- 91- Zahra Aghapour, Pourya Gholizadeh, Khudaverdi Ganbarov, Abed Zahedi Bialvaei, Suhad Saad Mahmood, Asghar Tanomand, **Mehdi Yousefi**, Mohammad Asgharzadeh,

- Bahman Yousefi, Hossein Samadi Kafil. Molecular mechanisms related to colistin resistance in enterobacteriaceae. *Infection and Drug Resistance*, 2019. 12, pp. 965-975. DOI: 10.2147/IDR.S199844.
- 92- Amin Kamrani, Amir Mehdizadeh, Majid Ahmadi, Leili Aghebati-Maleki & **Mehdi Yousefi**. Therapeutic approaches for targeting receptor tyrosine kinase like orphan receptor-1 in cancer cells. *J expert opinion on therapeutic targets*.2019.
- 93- Karpisheh, V. , Nikkhoo, A. , Hojjat-Farsangi, M., Namdar, A. Azizi, G. Ghalamfarsa, G. Sabz, G. **Yousefi, M.** Yousefi, B.Jadidi-Niaragh, F. Prostaglandin E2 as a potent therapeutic target for treatment of colon cancer. *Prostaglandins and Other Lipid Mediators*2019, Article number 106338
- 94- Rozita Abolhasan , Amir Mehdizadeh, Mohammad Reza Rashidi, Leili Aghebati-Maleki, **Mehdi Yousefi**. Application of hairpin DNA-based biosensors with various signal amplification strategies in clinical diagnosis. *Biosens Bioelectron*. 2019 Mar 15;129:164-174.
- 95- Ansar Karimian, Khalil Azizian , Hadi Parsian , Sona Rafieian, Vahid Shafiei-Irannejad , Maryam Kheyrollah , **Mehdi Yousefi** , Maryam Majidinia , Bahman Yousefi. CRISPR/Cas9 technology as a potent molecular tool for gene therapy. *J Cell Physiol*. 2019.
- 96- Ghalamfarsa G, Kazemi MH, Raoofi Mohseni S, Masjedi A, Hojjat-Farsangi M, Azizi G, **Yousefi M**, Jadidi-Niaragh F. CD73 as a potential opportunity for cancer immunotherapy. *Expert Opin Ther Targets*. 2019 Feb;23(2):127-142.
- 97- Mehdi Derakhshani, Hossein Abbaszadeh, Ali Akbar Movassaghpour, Amir Mehdizadeh, Majid Ebrahimi-Warkiani, **Mehdi Yousefi**. Strategies for elevating hematopoietic stem cells expansion and engraftment capacity. *Life Sciences*, 2019. 232,116598.
- 98- Ramin Pourakbari, Nasrin Shadjou, Hadi Yousefi, Ibrahim Isildak, **Mehdi Yousefi**, Mohammad-Reza Rashidi, Balal Khalilzadeh. Recent progress in nanomaterial-based electrochemical biosensors for pathogenic bacteria. *Microchimica Acta*, 186(12),820. DOI: 10.1007/s00604-019-3966-8
- 99- Farzaneh Ghorbani, Hossein Abbaszadeh, Amir Mehdizadeh, Majid Ebrahimi-Warkiani, Mohammad-Reza Rashidi, **Mehdi Yousefi**. Biosensors and nanobiosensors for rapid detection of autoimmune diseases: a review. *Microchimica Acta*, 186(12),838. DOI: 10.1007/s00604-019-3844-4.
- 100- Yousef Daneshmandpour, Fariba Pashazadeh, Fereshteh Ansari, Hossein Hosseinifard, Mohammad Nouri, Mehdi Yousefi, Ebrahim Sakhinia. The comparative effect of magnetic activated cell sorting, density gradient centrifugation and swim up on assisted reproduction outcomes, sperm DNA fragmentation, and aneuploidy: A

- systematic review and meta-analysis. *Meta Gene*,2019. 22,100607.
- 101- Pourya Gholizadeh, Majid Mahallei, Ali Pormohammad, Mojtaba Varshochi, Khudaverdi Ganbarov, Elham Zeinalzadeh, Bahman Yousefi, Milad Bastami, Asghar Tanomand, Suhad Saad Mahmood, **Mehdi Yousefi** , Mohammad Asgharzadeh, Hossein Samadi Kafil. Microbial balance in the intestinal microbiota and its association with diabetes, obesity and allergic disease. *Microb Pathog*. 2019 Feb;127:48-55.
- 102- Hassan Vahidnezhad, Leila Youssefian, Amir Hossein Saeidian, Behzad Mansoori, Ali Jazayeri, Arghavan Azizpour, Kambriz Kamyab Hesari, **Mehdi Yousefi**, Sirous Zeinal , Emmanuelle Jouanguy, Jean-Laurent Casanova, Jouni Uitto A CIB1 Splice-Site Founder Mutation in Families with Typical Epidermodysplasia Verruciformis. *J Invest Dermatol*. 2018 Nov 29.
- 103- Forough Chakari-Khiavi, Sanam Dolati, Aref Chakari-Khiavi, Hossein Abbaszadeh, Leili Aghebati-Maleki, Tannaz Poulak, Amir Mehdizadeh, **Mehdi Yousefi**. Prospects for the application of mesenchymal stem cells in Alzheimer's disease treatment. *Life Sciences*, 2019. 231,116564.
- 104- Mohammad Hossein Musavi Shenasi, Shadi Eghbal-Fard , Vahid Mehrisofiani, Nima Abd Yazdani , Omid Rahbar , Farzam Farooq Marofi, **Mehdi Yousefi**. MicroRNAs and signaling networks involved in epithelial-mesenchymal transition. *J Cell Physiol*. 2019 May;234(5):5775-5785.
- 105- Reza Rikhtegar, Masoud Pezeshkian, Sanam Dolati, Naser Safaie, Abbas Afrasiabi Rad, Mahdi Mahdipour, Mohammad Nouri, Ahmad Reza Jodati, **Mehdi Yousefi**. Stem cells as therapy for heart disease: iPSCs, ESCs, CSCs, and skeletal myoblasts. *Biomed Pharmacother*. 2019 Jan;109:304-313.
- 106- Ali Masjedi, Vida Hashemi, Mohammad Hojjat Farsangi, Ghasem Ghalamfarsa, Gholamreza Azizi, **Mehdi Yousefi**, Farhad Jadidi-Niaragh. The significant role of interleukin-6 and its signaling pathway in the immunopathogenesis and treatment of breast cancer. *Biomed Pharmacother*. 2018 Dec;108:1415-1424.
- 107- Solmaz Shirjang, Nazila Alizadeh, Behzad Mansoori, Ata Mahmoodpoor, Hossein Samadi Kafil, Mohammad Hojjat-Farsangi, **Mehdi Yousefi**. Promising immunotherapy: Highlighting cytokine-induced killer cells *Journal of Cellular Biochemistry*,2018.
- 108- Leili Aghebati-Maleki, Sanam Dolati, Reza Zandi, Ali Fotouhi, Majid Ahmadi, Ali Aghebati, Mohammad Nouri, Seyed Kazem Shakouri, **Mehdi Yousefi**, Prospect of mesenchymal stem cells in therapy of osteoporosis: A review, *Journal of Cellular Physiology*,2018.
- 109- Naser Alizadeh, Mir Naser Seyyed Mousavi, Farid Hajibonabi, Mohammad Yousef Memar, Bahareh Mehramuz, Khalil Aziziyan, Somayeh Shiralizadeh, Mehdi

- Yousefi, Hossein Samadi Kafil. Microbes involving in carcinogenesis; growing state of the art. Microbial Pathogenesis, 2018. 125, pp. 1-6
- 110- Sanam Dolati, **Mehdi Yousefi**, Mahdi Mahdipour, Abbas Afrasiabi Rad , Alireza Pishgahi, Mohammad Nouri, Ahmad Reza Jodati , Mesenchymal stem cell and bone marrow mononuclear cell therapy for cardiomyopathy: From bench to bedside, Journal of Cellular Biochemistry, 2018.
- 111- Reza Rikhtegar, **Mehdi Yousefi**, Sanam Dolati, Kasmaei Hossein, Charsouei Saeed, Nouri Mohammad, Seyed Kazem Shakouri. Stem cell-based cell therapy for neuroprotection in stroke: A review. Journal of Cellular biochemistry.
- 112- Vahideh Alinejad, Sanam Dolati, Morteza Motallebnezhad, **Mehdi Yousefi**. The role of IL17B-IL17RB signaling pathway in breast cancer. Biomedicine & Pharmacotherapy 88 (2017) 795–803.
- 113- Leili Aghebati-Maleki, Mahdi Shabani, Behzad Baradaran, Morteza Motallebnezhad, Jafar Majidi, **Mehdi Yousefi**, Receptor tyrosine kinase-like orphan receptor 1 (ROR-1): An emerging target for diagnosis and therapy of chronic lymphocytic leukemia Biomedicine & Pharmacotherapy, Volume 88, April 2017, Pages 814-822
- 114- Sanam Dolati, Faroogh Marofi, Zohreh Babaloo, Leili Aghebati-Maleki, Leila Roshangar, Majid Ahmadi, Reza Rikhtegar, **Mehdi Yousefi**. Dysregulated Network of miRNAs Involved in the Pathogenesis of Multiple Sclerosis. Biomedicine & Pharmacotherapy. 2018.
- 115- Behdokht Bahrami, Mohammad Hojjat-Farsangi, Hamed Mohammadi, Enayat Anvari, Ghasem Ghalamfarsa, **Mehdi Yousefi**, Farhad Jadidi-Niaragh. Nanoparticles and targeted drug delivery in cancer therapy, Immunology Letters, Volume 190, October 2017, Pages 64-83.
- 116- Elmira Safaie Qamsari, Sepideh Safaei Ghaderi, Bahareh Zarei, Ruhollah Dorostkar, Salman Bagheri, Farhad Jadidi-Niaragh, Mohammad Hossein Somi and **Mehdi Yousefi**. The c-Met receptor: Implication for targeted therapies in colorectal cancer, Tumor Biology, May 2017: 1–13
- 117- Ghasem Ghalamfarsa, Mohammad Hojjat-Farsangi, Mousa Mohammadnia-Afrouzi, Enayat Anvari, Shohreh Farhadi, **Mehdi Yousefi** and Farhad Jadidi-Niaragh. Application of nanomedicine for crossing the blood–brain barrier: Theranostic opportunities in multiple sclerosis. Journal of Immunotoxicology, 13 (5).
- 118- Davood Rostamzadeh, Seyed Rasol Razavi, Shadi Esmaeili, Sanam Dolati, Majid Ahmahi, Sanam Sadreddini, Farhad Jadidi-Niaragh, **Mehdi Yousefi**. Application of nanoparticle technology in the treatment of Systemic lupus erythematosus. Biomedicine



- & Pharmacotherapy 83 (2016) 1154–1163.
- 119- Behdokht Bahrami, Mousa Mohammadnia-Afrouzi, Peyman Bakhshaei, Yaghoob Yazdani, Ghasem Ghalamfarsa, **Mehdi Yousefi**, Sanam Sadreddini, Farhad Jadidi-Niaragh & Mohammad Hojjat-Farsangi. Folate-conjugated nanoparticles as a potent therapeutic approach in targeted cancer therapy. *Tumor Biology*, 36 (8).
- 120- Hamed Ebrahimzadeh Leylabadlo, Hossein Samadi Kafil, **Mehdi Yousefi**. Gastric Cancer Mortality in a High Incidence Area (Ardabil Province, North-West of Iran): What Risk Factors are Causation? *European Journal of Cancer Prevention*, 25(6).
- 121- Abed Zahedi Bialvaei, Hossein Samadi Kafil, Mohammad Asgharzadeh, **Mehdi Yousefi**, Mohammad Aghazadeh. How Social Networks Can Affect Infectious Disease Control? An Experience from Northwest of Iran. *Infection Control and Hospital Epidemiology*, 37(4).
- 122- Hajar Shali, Majid Ahmadi, Hossein Samadi Kafil, Abbasali Dorosti, **Mehdi Yousefi**. IGF1R and c-met as therapeutic targets for colorectal cancer. *Biomedicine & Pharmacotherapy* 82 (2016) 528–536.
- 123- Ghasem Ghalamfarsa, Mahmoud Mahmoudi, Mousa Mohammadnia-Afrouzi, Yaghoob Yazdani, Enayat Anvari, Abolghasem Hadinia, Amir Ghanbari, Maryam Setayesh, **Mehdi Yousefi** & Farhad Jadidi-Niaragh. IL-21 and IL-21 receptor in the immunopathogenesis of multiple sclerosis. *Journal of Immunotoxicology*, 13(3).
- 124- Leili Aghebati-Maleki, Babak Bakhshinejad, Behzad Baradaran, Morteza Motallebnezhad, Ali Aghebati-Maleki, Hamid Nickho, **Mehdi Yousefi** and Jafar Majidi. Phage display as a promising approach for vaccine development. *Journal of Biomedical Science* (2016) 23:66.
- 125- Farhad Jadidi-Niaragh, Ghasem Ghalamfarsa, **Mehdi Yousefi**, Mina Hajifaraj Tabrizi & Fazel Shokri. Regulatory T cells in chronic lymphocytic leukemia: implication for immunotherapeutic interventions. *Tumor Biology*, 34 (4).
- 126- Pourya Gholizadeh, Hosein Eslami, **Mehdi Yousefi**, Mohammad Asgharzadeh, Mohammad Aghazadeh, Hossein Samadi Kafil. Role of oral microbiome on oral cancers, a review. *Biomedicine & Pharmacotherapy* 84 (2016) 552–558.
- 127- Hamed Ebrahimzadeh Leylabadlo, Hossein Samadi Kafil, **Mehdi Yousefi**, Mohammad Aghazadeh and Mohammad Asgharzadeh. Pulmonary Tuberculosis Diagnosis: Where We Are?. *Tuberculosis and Respiratory Diseases*, 79 (2016).
- 128- S. Torabi Goudarzi, M. hajivalili, M. Hosseini, M. Ghafari Khamene, Y. Yazdani, S. Sadreddini, A. Miahipour, V. Younesi, **M. Yousefi**. Tetanus neurotoxin H<sub>CC</sub> protein commits T cells to IFN- $\gamma$  producing cells. *Cellular and Molecular Biology*, 62(3),20-24.

- 129- Morteza Motallebnezhad, Leili Aghebati-Maleki, Farhad Jadidi-Niaragh, Hamid Nickho, Hosein Samadi-Kafil, Karim Shamsasenjan & **Mehdi Yousefi**. The insulin-like growth factor-I receptor (IGF-IR) in breast cancer: biology and treatment strategies. *Tumor Biology*, 37 (9).
- 130- Elham Safarzadeh, Farhad Jadidi-Niaragh, Morteza Motallebnezhad, **Mehdi Yousefi**. The role of adenosine and adenosine receptors in the immunopathogenesis of multiple sclerosis. *Inflammation Research*, 65 (7),511-520.
- 131- Sanam Dolati, Sanam Sadreddini, Davoud Rostamzadeh, Majid Ahmadi, Farhad Jadidi-Niaragh, **Mehdi Yousefi**. Utilization of nanoparticle technology in rheumatoid arthritis treatment. *Biomedicine & Pharmacotherapy* 80 (2016) 30–41.
- 132- Sanam Dolati, Zohreh Babaloo, Farhad Jadidi-Niaragh, Hormoz Ayromlou , Sanam Sadreddini, **Mehdi Yousefi**. Multiple sclerosis: Therapeutic applications of advancing drug delivery systems. *Biomedicine & Pharmacotherapy* 86 (2017) 343–353.
- 133- Abed Zahedi Bialvaei, Mohammad Rahbar, **Mehdi Yousefi**, Mohammad Asgharzadeh and Hossein Samadi Kafil. Linezolid: a promising option in the treatment of Gram-positives. *Journal of Antimicrobial Chemotherapy*, 72 (1).
- 134- Majid Ahmadi, Tohid Gharibi, Sanam Dolati, Davood Rostamzadeh, Saeed Aslani, Behzad Baradaran, Vahid Younesi, **Mehdi Yousefi**. Epigenetic modifications and epigenetic based medication implementations of autoimmune diseases. *Biomedicine & Pharmacotherapy* 87 (2017) 596–608.
- 135- Maryam Hemmatzadeh, Hamed Mohammadi, Farhad Jadidi-Niaragh, Faezeh Asgharia, **Mehdi Yousefi**. The role of oncomirs in the pathogenesis and treatment of breast cancer. *Biomedicine & Pharmacotherapy* 78 (2016) 129–139.
- 136- Morteza Motallebnezhad, Farhad Jadidi-Niaragh, Elmira Safaie Qamsari, Salman Bagheri , Tohid Gharibi, **Mehdi Yousefi**. The immunobiology of myeloid-derived suppressor cells in cancer. 2015, *Tumor biology*.
- 137- Fatemeh Pourgholia, Mahsa hajivalili, Jadidi-Niaragh Farhad, Hossein Samadi Kafil, **Mehdi Yousefi**. Nanoparticles: Novel vehicles in treatment of Glioblastoma. *Biomedicine & Pharmacotherapy* 77 (2016) 98–107.
- 138- Yaghoub Yazdani , Mousa Mohammadnia-Afrouzi, **Mehdi Yousefi** , Enayat Anvari , Ghasem Ghalamfarsa , Hadi Hasannia , Sanam Sadreddini , Farhad Jadidi-Niaragh. Myeloid-derived suppressor cells in B cell malignancies. 2015, *Tumor biology*.
- 139- M Hajivalili, F Pourgholi, HS Kafil, F Jadidi-Niaragh, **M Yousefi**. Mesenchymal Stem Cells in the Treatment of Amyotrophic Lateral Sclerosis. 2015, *Current stem cell research & therapy*.

- 140- R Dehghanzadeh, F Jadidi-Niaragh, T Gharibi, **M Yousefi**. MicroRNA-induced drug resistance in gastric cancer. 2015, *Biomedicine & Pharmacotherapy* 74, 191-199.
- 141- Mostafa Haji-Fatahaliha, Maryam Hosseini, Asiye Akbarian, Sanam Sadreddini, Farhad Jadidi-Niaragh & **Mehdi Yousefi**. CAR-modified T-cell therapy for cancer: an updated review. 2015, *Artificial Cells, Nanomedicine, and Biotechnology*.
- 142- Akbar Mohammad Hosseini, Jafar Majidi, Behzad Baradaran, **Mehdi Yousefi**. Toll-Like Receptors in the Pathogenesis of Autoimmune Diseases, 2015, *Adv Pharm Bull*, 2015, 5(Suppl 1).
- 143- AZ Bialvaei, HS Kafil, M Asgharzadeh, M Yousef Memar, **M Yousefi**. Current methods for the identification of carbapenemases. 2015, *Journal of Chemotherapy*, 1973947815Y. 0000000063.
- 144- Behdokht Bahrami , Mousa Mohammadnia-Afrouzi , Peyman Bakhshaei , Yaghoub Yazdani , Ghasem Ghalamfarsa, **Mehdi Yousefi** , Sanam Sadreddini , Farhad Jadidi-Niaragh , Mohammad Hojjat-Farsangi . Folate-conjugated nanoparticles as a potent therapeutic approach in targeted cancer therapy. 2015, *Tumor Biol*.
- 145- Tohid Gharibi, Majid Ahmadi, Narges Seyfizadeh, Farhad Jadidi-Niaragh **Mehdi Yousefi** . Immunomodulatory characteristics of mesenchymal stem cells and their role in the treatment of Multiple Sclerosis. 2015, *Cellular Immunology* 293 ,113–121
- 146- Tohid Kazemi, Vahid Younesi, Farhad Jadidi-Niaragh & **Mehdi Yousefi**. Immunotherapeutic approaches for cancer therapy: An updated review, 2015. *Artificial Cells, Nanomedicine, and Biotechnology*.
- 147- Maryam Hosseini, Mostafa Haji-Fatahaliha, Farhad Jadidi-Niaragh, Jafar Majidi & **Mehdi Yousefi**, The use of nanoparticles as a promising therapeutic approach in cancer immunotherapy. . 2015, *Artificial Cells, Nanomedicine, and Biotechnology*.
- 148- **Mehdi Yousefi**, Ali Akbar Movassaghpour, Karim Shamsasenjan, Ghasem Ghalamfarsa, Sanam Sadreddini, Farhad Jadidi-Niaragh & Mohammad Hojjat-Farsangi. The skewed balance between Tregs and Th17 in chronic lymphocytic leukemia. 2015, *Future Oncol*. 11(10), 1567–1582.
- 149- Ghalamfarsa G, Hadinia A, **Yousefi M**, Jadidi-Niaragh F. The role of natural killer T cells in B cell malignancies. *Tumour Biol*. 2013 Mar 19.

**Books**

- 1- First author of book "Recent advances in immunotherapeutic approaches for recurrent reproductive failure", IntechOpen, 2022
- 2- Author of book " Cellular and molecular of Immunology", Tehran, Iran, 2022
- 3- First author of book "Immunology Repertoire" Khalili publication, Tehran, Iran, 2015.
- 4- First author of book "Immunology question Bank" Khalili publication, Tehran, Iran, 2015.
- 5- First translator of the book "Janway's Immunobiology 8th edition" Khalili publication, Tehran, Iran, 2015.
- 6- First author of book "comprehensive immunology for immunology student" Khalili publication, Tehran, Iran, 2014.
- 7- First author of book "comprehensive immunology for non immunology student" Khalili publication, Tehran, Iran, 2014.
- 8- First author of book "comprehensive immunology for medical student" Khalili publication, Tehran, Iran, 2014.
- 9- First author of book "Immunology question repertoire" Chogan publication, Tehran, Iran, 2014.
- 10- First author of book "clinical immunology", Pouran publication, Tehran, Iran, 2010.
- 11- Co-author of book "molecular mechanism of inflammation", Shahid beheshti publication, Tehran, Iran, 2010.
- 12- First author of book "immunology hints", Mir publication, Tehran, Iran, 2008.
- 13- Co-author of book "virology hints", Mir publication, Tehran, Iran, 2008.

**Conferences, Seminars and Talks:**

- 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- $\gamma$  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- $\gamma$  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- $\gamma$  and TNF- $\alpha$  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- $\alpha$ , 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. 13<sup>th</sup> International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 20- **Mehdi Yousefi**. **Recombinant Leishmania major lipophosphoglycan 3 stimulates purified human Blymphocytes 13<sup>th</sup> International Congress of Immunology and Allergy. 26-29 April 2016. Tabriz-Iran**
- 21- **Mehdi Yousefi**. **Leshmania LPG3 activates Th1 response and IFN- $\gamma$  cytokine production. 13<sup>th</sup> 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). 13<sup>th</sup> 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. 13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **13<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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. **14<sup>th</sup> 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  $\beta$ -D-mannuronic Acid (M2000) on MicroRNA-146a and Related Molecules at the Level of Gene Expression in HEK Blue hTLR2 Cell Line. **14<sup>th</sup> 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 Sheikhsanaria, 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	<b>The effect of vaginal probiotic capsule on fertility in women with recurrent implantation failure: Clinical Trial</b>	Leila Hojaty	√		2022	Medical Student	MD
2	<b>The impact of COVID-19 induced autoantibodies levels in IVF success rate in patients with infertility</b>	Seyyed Ali Shamekh	√		2022	Medical Student	MD
3	<b>The impact of COVID-induced autoantibodies in success rate of embryo implantation in patients with infertility</b>	Hamideh Zareh	√		2022	Medical Student	MD
4	<b>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</b>	Zahra Mohammadzade	√		2022	Medical Student	MD
5	<b>Evaluation of Survivin protein gene expression in patients with recurrent pregnancy loss (RPL)</b>	Zahra Khodadoost	√		2022	Medical Student	MD
6	<b>Evaluation of Survivin protein gene expression in patients with recurrent implantation failure compared to normal individuals</b>	Asal Azizi	√		2022	Medical Student	MD
7	<b>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</b>	Zahra Shahir Khajeh	√		2022	Medical Student	MD
8	<b>Evaluation of the expression levels of autophagy-related genes in patients with recurrent implantation failure compared to normal individuals</b>	Zahra Tohid	√		2022	Medical Student	MD
9	<b>Evaluation of the expression levels of autophagy-related genes in patients with recurrent pregnancy loss compared to normal individuals</b>	Mobina Oladghaffari	√		2022	Medical Student	MD
10	<b>Fabrication and evaluation of collagen scaffolds for endometrial cells growth and proliferation in order to endometrial tissue regeneration</b>	Yalda Jahanbani	√		2022	Ph.D	Biomaterial
11	<b>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</b>	Mohammad Sadegh Soltani-Zangbar	√		2021	Ph.D	Immunology
12	<b>Hyssop effects on immune system of healthy individuals</b>	Masoumeh Ghasempour	√		2021	Resident	Pediatrician

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

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

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

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



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

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

90	<b>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</b>	Farhad Babaei		√	2014	Ph.D	Immunology
91	<b>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<sup>+</sup> responses</b>	Hamed Mohammadi		√	2014	Ph.D	Immunology
92	<b>Effect of mucin 1 aptamer conjugated nanoparticles containing docetaxel and c-Met siRNA in metastatic breast cancer cells (SKBR3)</b>	Naeimeh Majidi		√	2014	Ph.D	Pharmacy
93	<b>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)</b>	Behzad mansoori		√	2014	MSc	Immunology
94	<b>Investigation of Cumulus-Granulosa Cell <math>\Delta^9</math>-Desaturase Expression and Fatty Acid Composition of Follicular Fluid Triglyceride in Women Undergoing IVF/ICSI</b>	Reza Zarezadeh		√	2014	MSc	Biochemistry
95	<b>The Immunomodulatory effects of polyurethane nanomicell with Arteether in 4T1 cell line and animal bearing breast cancer</b>	Mona Jabbarzadegan		√	2014	MSc	Immunology
96	<b>Suppression of SNAIL1 gene expression by a small interference RNA (siRNA) and evaluation of their effect on metastatic cells in esophageal cancer</b>	Maryam Hemmatzadeh		√	2014	MSc	Immunology
97	<b>Purification of mouse IgG1 subclass, production and purification of rabbit anti mouse IgG1 polyclonal antibody</b>	Majid Ahmadi		√	2013	MSc	Immunology
98	<b>Purification of mouse IgG<sub>2b</sub> subclass, production and purification of rabbit anti mouse IgG<sub>2b</sub> polyclonal antibody</b>	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