

## Curriculum Vitae



**leili Aghebati- Maleki**  
**Tabriz University of Medical sciences**  
**Daneshgah Ave., Tabriz, Iran**  
**Tel: +98 (0)411 3364665 (office)**  
**Fax: +98 (0)411 3364665**  
**Mobile: +98 9300769172**  
**Email: leili\_Aghebati\_Maleki@yahoo.com , Aghebatil@tbzmed.ac.ir**

### **PERSONAL INFORMATION**

**Date of Birth:** 12.February.1981

**Nationality:** Iranian

**Marital Status:** Married

Scopus ID: **55622352500**

Orcid ID: **HTTPS://ORCID.ORG/0000-0002-0044-5961**

**EMPLOYMENT HISTORY**

2007 - 2017      Tabriz University of Medical Sciences, Medicine Faculty, Immunology Department, Tabriz, Iran

2017- Present    Tabriz University of Medical Sciences, Immunology research center, Tabriz, Iran

**Occupation/Position**

Academic and Research member

**CURRENT STATUS**

- Associate Professor of Immunology, Immunology Research Center, Tabriz University of Medical Sciences
- Research Deputy of Immunology Research Center
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**AREAS of RESEARCH INTEREST**

- Immunotherapy
- Reproductive Immunology
- Immunotherapy of cancers
- Autoimmunity Diseases

**EDUCATIONAL BACKGROUND**

- 1- B.Sc. (1999- 2001) - Medical Laboratory Technology (Tabriz University of Medical Sciences, Tabriz, Iran)
- 2- M.Sc.( 2009- 2012) - Immunology (Tabriz University of Medical Sciences, Tabriz, Iran)
- 3- Ph.D. (2013-2016) - Immunology (Tabriz University of Medical Sciences, Tabriz, Iran)

**EDUCATIONAL INFORMATION**

1. MSc graduation score (19.5 out of 20)
2. MSc Thesis score (19.96 out of 20)

3. MSC Thesis title: Production and characterization of monoclonal antibody against CD34 marker in Balb/c mice
4. Ranking the 1st in PhD (2013).
5. Ph. D graduation score (19.63 out of 20)
6. Ph. D Thesis score (20 out of 20)
7. Ph. D Thesis title: Isolation and characterization of Anti ROR1 scFv fragment by Phage display

### **Awards**

- 2014; Top Researcher of Tabriz University of Medical Sciences
- 2015; Top Student Researcher, Deputy of research and technology (Tabriz University of Medical Sciences)
- 2016; Top Technologist of Tabriz University of Medical Sciences
- 2016; Member of National Elites Foundation (INEF) / East Azarbaijan /Academic Awards
- 2017; Top Researcher of “The Third International Congress of Immunology, Asthma & Allergy” (Tehran, Iran)
- 2019; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2020; Member of National Elites Foundation (INEF) /Iran
- 2020; Top 2% highly cited researcher (ESI)
- 2021; Top 2% highly cited researcher (ESI)
- 2022; Top 2% highly cited researcher (ESI)
- 2023; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)

### **Patents**

- 2013; Production of monoclonal antibody against CD34 marker in Balb/c mice
- 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.
- 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.
- 2018; Polyclonal Antibody against Human kappa light chains
- 2019; ELISA kit for measuring the light chain of antibodies in rheumatoid arthritis patients

**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 Soleimanian, Amin Kamrani, Forough Chakari-Khiavi, Rozita Abolhasan, Morteza Motalebnezhad, 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- 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.
  - 9- 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.
  - 10- 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.
  - 11- 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.

- 12- 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>.
- 13- 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>.
- 14- Zahra Pourmoghdam, Mohammad Sadegh Soltani-Zangbar, Golshan Sheikhansari, Ramyar Azizi, Shadi Eghbal-Fard, Hamed Mohammadi, Homayoon Siahmansouri, **Leili Aghebati-Maleki**, Shahla Danaii, Amir Mehdizadeh, Mohammad Hojjat-Farsangi, Roza Motavalli, Mehdi Yousefi. Intrauterine administration of autologous hCG- activated peripheral blood mononuclear cells improves pregnancy outcomes in patients with recurrent implantation failure; A double-blind, randomized control trial study. J Reprod Immunol. 2020 Aug 4; 142:103182. doi: 10.1016/j.jri.2020.103182.
- 15- 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.
- 16- Golshan Sheikhansari, Mohammad Sadegh Soltani-Zangbar, Zahra Pourmoghdam, 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
- 17- 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.
- 18- Mahnaz Ghaebi, Samaneh Abdolmohammadi-Vahid, Majid Ahmadi, Shadi Eghbal-Fard, Sanam Dolati, Mohammad Nouri, Mehdi Talebi, Kobra Hamdi, FaroghMarofi, **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.
- 19- 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.
- 20- Majid Ahmadi, Samaneh Abdolmohammadi-vahid, Mahnaz Ghaebi, **Leili Aghebati-Maleki**, Amir Afkham, Shahla Danaei, 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.
- 21- 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.
- 22- Hanieh Heydarlou , Shadi Eghbal-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.
- 23- 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.
- 24- 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.
- 25- 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, Mohammadali 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>.
- 26- 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>.
  - 27- 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.
  - 28- 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>.
  - 29- 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 Miahpour, 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>.
  - 30- 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.
  - 31- Majid Ahmadi, Mehrzad Hajialilo, Sanam Dolati, Shadi Eghbal-Fard, Hanieh Heydarlou, Mahnaz Ghaebi, Arezou Ghassemlaglou, **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.
- 32- Mehrzad Hajjalilo, Sanam Dolati, Samaneh Abdolmohammadi-Vahid, Majid Ahmadi, Amin Kamrani, Shadi Eghbal-Fard, Arezou Ghassemlou, 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.
  - 33- 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>
  - 34- 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.
  - 35- 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
  - 36- 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.
  - 37- Jafari R, Majidi Zolbanin N, Majidi J, Atyabi F, Yousefi M, Jadidi-Niaragh F, **Aghebati-Maleki L**, Shanehbandi 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
  - 38- Sanam Dolati, Majid Ahmadi, **Leili Aghebati Maleki**, Abbas Nikmaram, Farough 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.
  - 39- Naime Majidi Zolbanin, Reza Jafari, Jafar Majidi, Fatemeh Atyabi, Mehdi Yousefi, Farhad Jadidi-Niaragh, **Leili Aghebati-Maleki**, Dariush Shanehbandi, 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.

- 40- 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.
- 41- 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.
- 42- 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.
- 43- 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.
- 44- Sanam Dolati, **Leili Aghebati-Maleki**, Majid Ahmadi, Farooq 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.
- 45- **Leili Aghebati-Maleki**, Vahid Younesi, Behzad Baradaran, Jalal Abdolalizadeh, Morteza Motalebnezhad, 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.
- 46- **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.
- 47- Hamid Nickho, Vahid Younesi, **Leili Aghebati-Maleki**, Morteza Motalebnezhad, Jafar Majidi Zolbanin, Aliakbar Movassagh Pour, and Mehdi Yousefi, Developing and characterization of single chain variable fragment (scFv) antibody against frizzled 7 (Fzd7) receptors, *BIOENGINEERED*, 2017, VOL. 8, NO. 5, 501–510
- 48- Morteza Motalebnezhad, 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).
- 49- 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.
- 50- 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.
- 51- 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.
- 52- 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 TARP-6 dependent and miR-146a independent manner. *Cellular and Molecular Biology* 2016, 62 (4): 1-5.
- 53- 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.
- 54- 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).
- 55- 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.
- 56- 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.
- 57- **Leili Aghebati Maleki**, Dariush Shanehbandi<sup>1</sup>, 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.

58. Amin Abbasi, Aziz Homayouni Rad, **Leili Aghebati Maleki**, Hossein Samadi Kafil, Amir Baghbanzadeh. Antigenotoxicity and Cytotoxic Potentials of Cell-Free Supernatants Derived from *Saccharomyces cerevisiae* var. *boulardii* on HT-29 Human Colon Cancer Cell Lines. *Probiotics and Antimicrobial Protein*/ 2023.
59. Aila Sarkesh, Amin Daei Sorkhabi, Forough Parhizkar, Mohammad Sadegh Soltani-Zangbar, Mehdi Yousefi, **Leili Aghebati-Maleki**. The immunomodulatory effect of intradermal allogeneic PBMC therapy in patients with recurrent spontaneous abortion. *Journal of Reproductive Immunology*/ 156,103818.
60. Forough Parhizkar, Mehdi Yousefi, Mohammad Sadegh Soltani-Zangbar, Zahra Parhizkar, **Leili Aghebati-Maleki**, Soheil Abbaspour-Ravasjani, Roza Motavalli, Amin Alizadegan, Maryam Mojahedi, Sina Baharaghdam, Amin Kamrani, Shahla Danaii, Mehdi Talebi, Farhad Jadidi-Niaragh, Hamed Hamishehkar, Hossein Samadi Kafil, Ata Mahmoodpoor, Javad Ahmadian Heris. Sirolimus- and cyclosporine-loaded nanostructured lipid carriers: Development, characterization, and in vitro evaluation in T-cell profiles of patients with a history of recurrent pregnancy loss. *Reproductive Medicine and Biology*/2023, 22(1), e12509.
61. Parviz Hassanpour 1 2, Adel Spotin 1, Hamid Morovati 3, Leili Aghebati-Maleki 4, Mortaza Raeisi 5, Mohammad Ahangarzadeh Rezaee 6, Alka Hasani 7 8, Ali Aghebati-Maleki 9, Hossein Abdollahzadeh 1, Sanam Nami. Molecular diagnosis, phylogenetic analysis, and antifungal susceptibility profiles of *Candida* species isolated from neutropenic oncological patients. *BMC Infectious Diseases*. 2023 Nov 6;23(1):765.
62. Amin Abbasi, Aziz Homayouni Rad, Leili Aghebati Maleki\*, Hossein Samadi Kafil, Amir Baghbanzadeh. Cytotoxic Potentials of Cell-Free Supernatant Derived from *Lactobacillus casei* CRL431 on HCT-116 and HT-29 Human Colon Cancer Cell Lines. *Biointerface Research in Applied Chemistry*. 13(5): 2023.
63. Mohammad Sadegh Soltani-Zangbar, Mahsa Hajivalili, Danyal Daneshdoust, Sara Ghadir, Golaleh Savari 5, Mohammadali Zolfaghari, Leili Aghebati-Maleki, Solmaz Oloufi, Narjes Nouri, Naser Amini, Amir Mehdizadeh, Hossein Ghasemi Moghadam, Ata Mahmoodpoor, Javad Ahmadian Heris, Mehdi Yousefi. SARS-CoV2 infection induce miR-155 expression and skewed Th17/Treg balance by changing SOCS1 level: A clinical study. *Cytokine*. 2023 Sep: 169:156248.
64. Lida Aslanian-Kalkhoran, Amin Kamrani, Iraj Alipourfard, Forough Chakari-Khiavi, Aref Chakari-Khiavi, Leili Aghebati-Maleki, Ali Akbar Shekarchi, Amir Mehdizadeh, Maryam Mojahedi, Shahla Danaii, Leila Roshangar, Javad Ahmadian Heris, Mohammadali Zolfaghari, Sanam Dolati, Mohammad Sadegh Soltani-Zangbar 13, Mehdi Yousefi. The effect of lymphocyte immunotherapy (LIT) in modulating immune responses in patients with recurrent pregnancy loss (RPL). *Int Immunopharmacol*. 2023 Aug: 121:110326.
65. Soraya Mohammadi Esfanjani 1, Leili Aghebati Maleki 2, Sanam Nami 3, Mina Ebrahimi 4, Amir Baghbanzadeh 2, Gregorio Perez-Cordon 5, Sonia M Rodrigues Oliveira 6, Maria De Lourdes Pereira 6, Aleksandra Barac 7, Ehsan Ahmadpour 1, Jelena Micić 8. Induction of TLR5, IRAK1, and NF- $\kappa$ B expression by *Trichomonas vaginalis* in cervical

cancer cell (HeLa) and normal human vaginal epithelial cell (HVECs) lines. *J Infect Dev Ctries* . 2023 Aug 31;17(8):1160-1167.

66. 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*. 2023;30(4):1186-1197.

67. Forough Parhizkar a b c, Amirhossein Kiani d, Satinik Darzi e, Roza Motavalli b f, Fatemeh Noori Dolama b, Yousef Yousefzadeh c, Leili Aghebati-Maleki g, Helen Pia b, Sedigheh Abdollahi-Fard b, Amirhossein Mardi c h, Shahla Danaii i, Javad Ahmadian Heris j, Mehdi Yousefi b c, Mohammad Sadegh Soltani-Zangbar. The evaluation of CD39, CD73, and HIF-1 alpha expression besides their related miRNAs in PBMCs of women with recurrent pregnancy loss. *Journal of Reproductive Immunology*. Volume 156, March 2023, 103820.

68. Ebrahimi Chaharom F, Ebrahimi AA, Feghhi Koochebagh F, Babalou Z, Ghojzadeh M, Aghebati Maleki L, Nader ND. Association of IL-17 serum levels with clinical findings and systemic lupus erythematosus disease activity index. *Immunol Med*. 2023 Dec;46(4):175-181.

69. Amin Daei Sorkhabi, Aila Sarkesh, Ali Fotouhi, Hossein Saeedi, Leili Aghebati-Maleki\*. Cancer combination therapies by silencing of CTLA-4, PD-L1, and TIM3 in osteosarcoma. *IUBMB Life* 74(9), pp. 908-917. 2022.

70. Vafa Meftahpour, Farzaneh Ghorbani, Majid Ahmadi, Ali Aghebati-Maleki, Sanaz Abbaspour-Aghdam, Ali Fotouhi, Majid Zamani, Arash Maleki, Mansour Khakpour, Leili Aghebati-Maleki. Evaluating the effects of autologous platelet lysate on gene expression of bone growth factors and related cytokines secretion in rabbits with bone fracture. *Gene Reports*. Volume 28, September 2022, 101658.

71. Farid Ghorbaninezhad 1 2 3, Javad Masoumi 1, Mohammad Bakhshivand 1 2, Amir Baghbanzadeh 1, Ahad Mokhtarzadeh 1 4, Tohid Kazemi 1 2, Leili Aghebati-Maleki 1, Siamak Sandoghchian Shotorbani 1 2, Mahdi Jafarlou 1, Oronzo Brunetti 5, Mariacarmela Santarpia 6, Behzad Baradaran 1 2, Nicola Silvestris. CTLA-4 silencing in dendritic cells loaded with colorectal cancer cell lysate improves autologous T cell responses in vitro. *Front Immuno*. 2022 Aug 1;13:931316.

72. Arezou Siami, Nasser Aliasgharzad, Leili Aghebati Maleki, Nosratollah Najafi, Farzin Shahbazi and Asim Biswas. Recalcitrant C Source Mapping Utilizing Solely Terrain-Related Attributes and Data Mining Techniques. *Agronomy* 12(7), 1653. 2022.

73. Mahsa Khayyati Kohnehsahri, Nowruz Delirez, Leili Aghebati Maleki. CpG-Containing Oligodeoxynucleotides and Freund Adjuvant in Combination with Alum Augment the Production of Monoclonal Antibodies Against Recombinant HBsAg. *Avicenna Journal of Medical Biotechnology*. 2022. 14(2), pp. 125-131.

74. Elham Baghbani 1, Saeed Noorolyai 2, Shima Rahmani 2, Dariush Shanehbandi 2, Mahdi Abdoli Shadbad 1, Leili Aghebati-Maleki 2, Ahad Mokhtarzadeh 2, Oronzo Brunetti 3, Rossella Fasano 3, Nicola Silvestris 4, Behzad Baradaran. Silencing tumor-intrinsic CD73 enhances the chemosensitivity of NSCLC and potentiates the anti-tumoral effects of cisplatin: An in vitro study. *Biomed Pharmacother.* 2022 Jan; 145:112370.
75. Leili Aghebati-Maleki , Paniz Hasannezhad , Amin Abbasi, Nader Khani. Antibacterial, antiviral, antioxidant, and anticancer activities of postbiotics: A review of mechanisms and therapeutic perspectives. *Biointerface Research in Applied Chemistry.* 12(2):2629-2645.2022.
76. Parviz Hassanpour 1, Hamed Hamishehkar 2, Behnaz Bahari Baroughi 3, Behzad Baradaran 4, Siamak Sandoghchian Shotorbani 5, Maryam Mohammadi 2 6, Navid Shomali 4, Leili Aghebati-Maleki 4 5, Sanam Nami 1. Antifungal Effects of Voriconazole-Loaded Nano-Liposome on Fluconazole-Resistant Clinical Isolates of *Candida albicans*, Biological Activity and ERG11, CDR1, and CDR2 Gene Expression. *Assay Drug Dev Technol.* 2021 Oct;19(7):453-462.
77. Safa Tahmasebi 1, Mohamed A El-Esawi 2, Zaid Hameed Mahmoud 3, Anton Timoshin 4, Hamed Valizadeh 5, Leila Roshangar 6, Mojtaba Varshoch 7, Aydin Vaez 7, Saeed Aslani 8, Jamshid G Navashenaq 9, Leili Aghebati-Maleki 10, Majid Ahmadi 6. Immunomodulatory effects of nanocurcumin on Th17 cell responses in mild and severe COVID-19 patients. *J Cell Physiol.* 2021 Jul;236(7):5325-5338.
78. Vahideh Ebrahimzadeh Attari, Seyed Sadroddin Rasi Hashemi, Solmaz Oloufi, Leili Aghebati Maleki, Dariush Shanehbandi, Mahsa Jalili, Ali Aghebati Maleki, Hamid Noshad, Mohammad Reza Ardalan. The association of two single-nucleotide polymorphisms of the FOXP3 gene (rs3761548 and rs3761547) with renal allograft function and survival in kidney transplant recipients. *Immunopathologia Persa.* 7(2),e21.2021.
79. Sadeghi A, Tahmasebi S, Mahmood A, Kuznetsova M, Valizadeh H, Taghizadieh A, Nazemiyeh M, Aghebati-Maleki L, Jadidi-Niaragh F, Abbaspour-Aghdam S, Roshangar L, Mikaeili H, Ahmadi M. Th17 and Treg cells function in SARS-CoV2 patients compared with healthy controls. *J Cell Physiol.* 2021 Apr;236(4):2829-2839.
80. Aziz Homayouni Rad , Leili Aghebati Maleki , Hossein Samadi Kafil , Amin Abbasi , Nader Khani .Postbiotics as a safe alternative to live probiotic bacteria in the food and pharmaceutical industries. 26(4):132-157.2021.
81. Somaiyeh Malekghasemi 1, Jafar Majidi 2 3, Behzad Baradaran 2 3, Leili Aghebati-Maleki 2 3. Prostate cancer cells modulate the differentiation of THP-1 cells in response to etoposide and TLR agonists treatments. *Cell Biol Int.* 2020 Oct;44(10):2031-2041.
82. Leila Mohamed Khosroshahi ,Elham Baghbani, Ali Fotouhi, Ali Aghebati-Maleki, Leili Aghebati-Maleki\*. The effects of IL-4 and RANKL on viability of giant cell granuloma patients' monocytes. *Gene Reports*, Volume 20, September 2020, 100726.
83. Saeed Noorolyai 1, Elham Baghbani 1 2, Leili Aghebati Maleki 1, Amir Baghbanzadeh

Kojabad 1, Dariush Shanehbansdi 1, Vahid Khaze Shahgoli 1, Ahad Mokhtarzadeh 1, Behzad Baradaran 1. Restoration of miR-193a-5p and miR-146 a-5p Expression Induces G1 Arrest in Colorectal Cancer through Targeting of MDM2/p53. *Adv Pharm Bull.* 2020 Jan;10(1):130-134.

84. Sanam Nami , A. li Aghebati-Maleki , Zohreh Babaloo , Leili Aghebati-Maleki. Effects of fasting on the immune system function and its positive effects on the chemotherapy of various types of cancer. *Koomesh.* 22(3):404-410.2020.

85. Somaiyeh Malekghasemi 1, Jafar Majidi 2 3, Hamid Daneshvar 1, Jalal Abdolalizadeh 4, Leili Aghebati-Maleki 2. Production and purification of polyclonal antibody against attenuated and wild type *Leishmania infantum* in dogs. *Hum Antibodies.* 2020;28(3):191-195.

86. Akram Firouzi-Amandi 1, Mehdi Dadashpour 2, Mohammad Nouri 2, Nosratollah Zarghami 2, Hamed Serati-Nouri 2, Davoud Jafari-Gharabaghlou 3, Bita Hazhir Karzar 4, Hassan Mellatyar 5, Leili Aghebati-Maleki 5, Zohreh Babaloo 6, Younes Pilehvar-Soltanahmadi 7. Chrysin-nanoencapsulated PLGA-PEG for macrophage repolarization: Possible application in tissue regeneration. *Biomed Pharmacother.* 2019 Oct: 118:109145.

87. Elnaz Mosaferi 1, Nazila Alizadeh Gharamaleki 1, Laya Farzadi 2, Jafar Majidi 1, Zohreh Babaloo 1, Tohid Kazemi 1, Mehrnoosh Ramezani 3, Meraj Tabatabaei 4, Hamid Ahmadi 5, Leili Aghebati Maleki 1, Behzad Baradaran 1. The study of HLA-G gene and protein expression in patients with recurrent miscarriage. *Adv Pharm Bull .* 2019 Feb;9(1):70-75.

88. Hosein Eslami, Masoumeh Faramarzi, Jafar Majidi, Sepideh Bohlouli, Anahita Javad Khani, Leili Aghebati- Maleki, Paria Motahari. Comparing the levels of gingival crevicular fluid prostaglandin e2 in generalized chronic periodontitis between healthy and type 2 diabetes patients: A case-control study. *Pesquisa Brasileira em Odontopediatria e Clinica Integrada.* 19(1),e4523.2019.

89. Mojgan Esparvarinha 1 2 3, Hamid Nickho 1 2, Leili Aghebati-Maleki 1 2 3, Jalal Abdolalizadeh 4, Hadi Nasiri 1 2, Zahra Valedkarimi 1 2, Jafar Majidi 1. Development and characterization of polyclonal antibody against human kappa light chain in rabbit. *Vet Res Forum.* 2019 Summer;10(3):207-211.

90. Jafar Noori 1 2, Adel Spotin 3 4, Ehsan Ahmadpour 5, Mahmoud Mahami-Oskouei 2, Homayoun Sadeghi-Bazargani 6 7, Tohid Kazemi 1, Ebrahim Sakhinia 8, Leili Aghebati-Maleki 1, Firooz Shahrivar 2. The potential role of toll-like receptor 4 Asp299Gly polymorphism and its association with recurrent cystic echinococcosis in postoperative patients. *Parasitol Res.* 2018 Jun;117(6):1717-1727.

91. Somayeh Sadeghi 1 2 3, Leili Aghebati-Maleki 1 2 3, Samira Nozari 2, Jafar Majidi 1 2. A methodological approach for production and purification of polyclonal antibody against dog IgG. *Vet Res Forum.* 2018 Winter;9(1):13-18. Epub 2018 Mar 15.

92. Zahra Valedkarimi 1 2 3, Hadi Nasiri 1 2, Leili Aghebati-Maleki 1 2, Jalal Abdolalizadeh 1, Mojghan Esparvarinha 1 2, Jafar Majidi 1. Production and characterization of anti-human IgG

F(ab')<sub>2</sub> antibody fragment. *Hum Antibodies*. 2018;26(4):171-176.

93. Mahdijeh Shamsi, Jafar Majidi Zolbanin, Babak Mahmoudian, Naime Majidi Zolbanin, Leili Aghebati Maleki, Mohammad Asghari Jafarabadi, Jalil Pirayesh Islamian. A study on drug delivery tracing with radiolabeled mesoporous hydroxyapatite nanoparticles conjugated with 2DG/DOX for breast tumor cells. *Nucl Med Rev Cent East Eur*. 2018;21(1):32-36.

94. Dariush Shanehbandi 1 2, Jafar Majidi 1, Tohid Kazemi 1, Behzad Baradaran 1, Leili Aghebati-Maleki. Cloning and molecular characterization of the cDNAs encoding the variable regions of an anti-CD20 monoclonal antibody. *Hum Antibodies*. 2017;26(1):1-6.

95. Naeimeh Shibaei 1, Jafar Majidi 2, Khadijeh Razavi 1, Ali Asghar Karkhane 3, Nemat Sokhandan-Bashir 4, Leili Aghebati-Maleki. Production and characterization of monoclonal antibody against recombinant virus coat protein CP42. *Iran J Allergy Asthma Immunol*. 2017 Feb;16(1):60-71.

96. Ramin Raoufinia 1 2, Ali Mota 3, Samira Nozari 1, Leili Aghebati Maleki 4, Sanaz Balkani 1, Jalal Abdolalizadeh. A methodological approach for purification and characterization of human serum albumin.. *J Immunoassay Immunochem*. 2016;37(6):623-35.

97. Elham Malekzadeh 1, Nasser Aliasgharzad 2, Jafar Majidi 3, Leili Aghebati-Maleki 3, Jalal Abdolalizadeh. Cd-induced production of glomalin by arbuscular mycorrhizal fungus (*Rhizophagus irregularis*) as estimated by monoclonal antibody assay. *Environ Sci Pollut Res Int*. 2016 Oct;23(20):20711-20718.

98. Elham Malekzadeh a, Nasser Aliasgharzad a, Jafar Majidi b, Jalal Abdolalizadeh c, Leili Aghebati-Maleki. Contribution of glomalin to Pb sequestration by arbuscular mycorrhizal fungus in a sand culture system with clover plant. *European Journal of Soil Biology*. Volume 74, May–June 2016, Pages 45-51.

99. Leili Aghebati Maleki 1, Jafar Majidi 1, Behzad Baradaran 1, Aliakbar Movassaghpour 1, Jalal Abdolalizadeh. Generation and characterization of anti-CD34 monoclonal antibodies that react with hematopoietic stem cells. *Cell J*. 2014 Fall;16(3):361-6. Epub 2014 Oct 4.

100. L Aghebati-maleki, B Salehi, R Behfar. Designing a hydrogen peroxide biosensor using catalase and modified electrode with magnesium oxide nanoparticles. *International Journal of Electrochemical Science* : Volume 9, Issue 1, 2014 , Pages 257-271.

101. Reza Aghebati Maleki, Dariush Shanehbandi, Saeed Sadigh Eteghad, Habib Zarredar, Fatemeh Zare Shahneh, Leili Aghebati Maleki Mehrnosh Samavati, Hamed Asadi, Seyed Ehsan Mosavi, Afshin Habibzadeh, Mozhdeh Mohammadian, Behzad Baradaran. Effects of some natural immunomodulatory compounds in combination with thalidomide on survival rate and tumor size in fibrosarcoma-bearing mice. *Adv Pharm Bull*. 2014 Oct;4(Suppl 1):465-70.

102. Shahab Nootash 1, Najmeh Sheikhzadeh, Behzad Baradaran, Ali Khani Oushani, Mohammad Reza Maleki Moghadam, Katayoon Nofouzi, Amir Monfaredan, Leili Aghebati, Fatemeh Zare,



Sadigheh Shabanzadeh. Green tea (*Camellia sinensis*) administration induces expression of immune relevant genes and biochemical parameters in rainbow trout (*Oncorhynchus mykiss*). *Fish Shellfish Immunol.* 2013 Dec;35(6):1916-23.

103. Mehrangiz Rajaii 1, Aboulfazl Pourhassan, Najibeh Asle-Rahnamaie-Akbari, Leili Aghebati, Juliana Ling Xie, Mohammad Goldust, Mohammad Naghavi-Behzad. Seroepidemiology of toxoplasmosis in childbearing women of Northwest Iran. *Infez Med.* 2013 Sep;21(3):194-200.

104. Zohreh Babaloo 1, Reza Khajir Yeganeh, Mehdi Farhoodi, Behzad Baradaran, Mohamadreza Bonyadi, Leili Aghebati. Increased IL-17A but decreased IL-27 serum levels in patients with Multiple Sclerosis. *Iran J Immunol.* 2013 Mar;10(1):47-54.

105. Fatemeh Zamani 1, Fateme Zare Shahneh, Leili Aghebati-Maleki, Behzad Baradaran. Induction of CD14 expression and differentiation to monocytes or mature macrophages in promyelocytic cell lines: New approach. *Adv Pharm Bull.* 2013;3(2):329-32.

106. Leili Aghebati Maleki 1, Jafar Majidi, Behzad Baradaran, Jalal Abdolalizadeh, Tohid Kazemi, Ali Aghebati Maleki, Koushan Sineh Sepehr. Large scale generation and characterization of anti-human CD34 monoclonal antibody in ascetic fluid of balb/c mice. *Adv Pharm Bull.* 2013;3(1):211-6.

107. Leili Aghebati Maleki 1, Jafar Majidi, Behzad Baradaran, Jalal Abdolalizadeh, Aliakbar Movassaghpour Akbari. Production and characterization of murine monoclonal antibody against synthetic peptide of CD34. *Hum Antibodies .* 2013;22(1-2):1-8.

108. Koushan Sineh Sepehr 1, Behzad Baradaran, Jafar Majidi, Jalal Abdolalizadeh, Leili Aghebati, Fatemeh Zare Shahneh. Mass-production and characterization of anti-CD20 monoclonal antibody in peritoneum of Balb/c mice. *Adv Pharm Bull.* 2013;3(1):109-13.

109. Leili Aghebati Maleki 1, Dariush Shanehbandi 1, Jafar Majidi 1, Mehdi Yusefi 1, Jalal Abdolalizadeh 1, Mona Orangi 1, Behzad Baradaran 1. Production of Anti-CD14 monoclonal antibody using synthetic peptide of human CD14 as immunizing antigen. *Hum Antibodies.* 2013;22(3-4):67-71.

110. Leili Aghebati Maleki 1, Behzad Baradaran, Jalal Abdolalizadeh, Fatemeh Ezzatifar, Jafar Majidi. A unique report: Development of super anti-human IgG monoclonal with optical density over than 3. *Adv Pharm Bull.* 2013;3(2):333-7.

111. Koushan Sineh Sepehr 1, Behzad Baradaran, Jafar Majidi, Jalal Abdolalizadeh, Leili Aghebati, Fatemeh Zare Shahneh. Development and characterization of monoclonal antibodies against human CD20 in Balb/c mice. *Hum Antibodies.* 2012;21(3-4):57-64.

## **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- 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.
- 4- 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.
- 5- 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.
- 6- 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.
- 7- 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>
- 8- 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>.
- 9- 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.

- 10- Mahsa Khayyati Kohnehsahri, Aila Sarkesh, Leila Mohamed Khosroshahi, Zanyar HajiEsmailPoor, Ali Aghebati-Maleki, Mehdi Yousefi & Leili Aghebati-Maleki. Current status of skin cancers with a focus on immunology and immunotherapy. *Cancer Cell Int.* 2023 Aug 21;23(1):174. doi: 10.1186/s12935-023-03012-7.
- 11- Amin Daei Sorkhabi, Erfan Komijani, Aila Sarkesh, Pedram Ghaderi Shadbad, Ali Aghebati-Maleki, **Leili Aghebati-Maleki**. Advances in immune checkpoint-based immunotherapies for multiple sclerosis: rationale and practice. *Cell Commun Signal.* 2023 Nov 9;21(1):321.
- 12- Hamid Ahmadi 1, Leili Aghebati-Maleki 2 3, Shima Rashidiani 4, Timea Csabai 1 5 6 7, Obodo Basil Nnaemeka 8, Julia Szekeres-Bartho. Long-Term Effects of ART on the Health of the Offspring. *Int J Mol Sci.* 2023 Sep 1;24(17):13564.
- 13- Erfan Komijani, Forough Parhizkar, Samaneh Abdolmohammadi-Vahid, Hamid Ahmadi, Narjes Nouri, Mehdi Yousefi, Leili Aghebati-Maleki. Autophagy-mediated immune system regulation in reproductive system and pregnancy-associated complications. *J Reprod Immunol.* 2023 Aug; 158:103973.
- 14- Yalda Jahanbani, Tabassom Beiranvand, Parisa Yazdi Mamaghani, Leili Aghebati-Maleki\*, Mehdi Yousefi. Exosome- based technologies as a platform for diagnosis and treatment of male and female infertility-related diseases. 2023. *Journal of Reproductive Immunology*, 156,103820.
- 15- Sabahi S, Homayouni Rad A, Aghebati-Maleki L, Sangtarash N, Ozma MA, Karimi A, Hosseini H, Abbasi A. Postbiotics as the new frontier in food and pharmaceutical research. *Critical Reviews in Food Science and Nutrition.* 2023;63(26):8375-8402.
- 16- Amin Daei Sorkhabi 1 2, Leila Mohamed Khosroshahi 3, Aila Sarkesh 1 2, Amirhossein Mardi 1 2, Ali Aghebati-Maleki 4, Leili Aghebati-Maleki 2 5, Behzad Baradaran. The current landscape of CAR T-cell therapy for solid tumors: Mechanisms, research progress, challenges, and counterstrategies. *Front Immunol.* 2023 Mar 20;14:1113882.
- 17- Mahdi Asghari Ozma 1, Seyyed Reza Moaddab 2, Hedayat Hosseini 3, Ehsaneh Khodadadi 4, Reza Ghotaslou 5, Mohammad Asgharzadeh 6, Amin Abbasi 3, Fadhil S Kamounah 7, Leili Aghebati Maleki 2, Khudaverdi Ganbarov 8, Hossein Samadi Kafil 9. A critical review of novel antibiotic resistance prevention approaches with a focus on postbiotics. *Crit Rev Food Sci Nutr.* 2023 May 19:1-19.
- 18- Peyman Tabnak, Zanyar HajiEsmailPoor, Behzad Baradaran , Fariba Pashazadeh, Leili

- Aghebati Maleki .MRI-Based Radiomics Methods for Predicting Ki-67 Expression in Breast Cancer: A Systematic Review and Meta-analysis. *Academic Radiology* ,2023 Nov 2:S1076-6332(23)00545-7.
- 19- Zanyar HajiEsmailPoor, Peyman Tabnak, Behzad Baradaran, Fariba Pashazadeh 4, Leili Aghebati-Maleki. Diagnostic performance of CT scan-based radiomics for prediction of lymph node metastasis in gastric cancer: a systematic review and meta-analysis. *Front Oncol.* 2023 Oct 23;13:1185663.
  - 20- Sohrabi S, Masoumi J, Naseri B, Ghorbaninezhad F, Alipour S, Kazemi T, Ahmadian Heris J, Aghebati Maleki L, Basirjafar P, Zandvakili R, Doustvandi MA, Baradaran B.. STATs signaling pathways in dendritic cells: As potential therapeutic targets? *Int Rev Immunol.* 2023 Oct 27:1-22.
  - 21- Hamid Ahmadi 1, Timea Csabai 1, Eva Gorgey 1, Shima Rashidiani 2, Forough Parhizkar 3, Leili Aghebati-Maleki. Composition and effects of seminal plasma in the female reproductive tracts on implantation of human embryos. *Biomed Pharmacother*2022 Jul: 151:113065.
  - 22- Vasefifar P, Motafakkerazad R, Maleki LA, Najafi S, Ghrobaninezhad F, Najafzadeh B, Alemohammad H, Amini M, Baghbanzadeh A, Baradaran B. Nanog, as a key cancer stem cell marker in tumor progression. *Gene.* 2022 Jun 15; 827:146448.
  - 23- Farid Ghorbaninezhad 1, Zahra Asadzadeh 2, Javad Masoumi 2, Ahad Mokhtarzadeh 3, Tohid Kazemi 4, Leili Aghebati-Maleki 2, Siamak Sandoghchian Shotorbani 4, Mahdi Abdoli Shadbad 5, Amir Baghbanzadeh 2, Nima Hemmat 2, Mohammad Bakhshivand 4, Behzad Baradaran 6.Dendritic cell-based cancer immunotherapy in the era of immune checkpoint inhibitors: From bench to bedside. *Life Sci.* 2022 May 15:297:120466.
  - 24- Katayoun Dolatkah 1 2, Nazila Alizadeh 2, Hanieh Mohajjel-Shoja 1, Mahdi Abdoli Shadbad 2, Khalil Hajiasgharzadeh 2, Leili Aghebati-Maleki 2, Amir Baghbanzadeh 2, Negar Hosseinkhani 2, Noora Karim Ahangar 2, Behzad Baradaran. B7 immune checkpoint family members as putative therapeutics in autoimmune disease: An updated overview. *International Journal of Rheumatic Diseases.*2022. 25(3), pp. 259-271.
  - 25- Prognostic significance and therapeutic potentials of immune checkpoints in osteosarcoma. Meftahpour V, Aghebati-Maleki A, Fotouhi A, Safarzadeh E, Aghebati-Maleki L. *EXCLI J.* 2022 Jan 12;21:250-268.
  - 26- Amin Abbasi 1 2 3, Neda Hajipour 1 2, Paniz Hasannezhad 4, Amir Baghbanzadeh 5, Leili Aghebati-Maleki 5. Potential in vivo delivery routes of postbiotics. *Crit Rev Food Sci Nutr.* 2022;62(12):3345-3369.
  - 27- Amin Abbasi 1 2, Leili Aghebati-Maleki 3, Aziz Homayouni-Rad 1. The promising biological

role of postbiotics derived from probiotic *Lactobacillus* species in reproductive health. *Crit Rev Food Sci Nutr.* 2022;62(32):8829-8841.

- 28- Vahid Karpisheh 1, Seyedeh Mahboubeh Mousavi 1, Parinaz Naghavi Sheykholeslami 1, Mehrdad Fathi 2, Mehran Mohammadpour Saray 3, Leili Aghebati-Maleki 1, Reza Jafari 4, Naime Majidi Zolbanin 5, Farhad Jadidi-Niaragh 6 .The role of regulatory T cells in the pathogenesis and treatment of prostate cancer. *Life Sciences. Life Sci.* 2021 Nov 1:284:119132.
- 29- Elham Baghbani 1, Saeed Noorolyai 2, Dariush Shanehbandi 2, Ahad Mokhtarzadeh 2, Leili Aghebati-Maleki 2, Vahid Khaze Shahgoli 3, Oronzo Brunetti 4, Shima Rahmani 2, Mahdi Abdoli Shadbad 1, Amir Baghbanzadeh 2, Nicola Silvestris 5, Behzad Baradaran 6. Regulation of immune responses through CD39 and CD73 in cancer: Novel checkpoints. *Life Sci.* 2021 Oct 1:282:119826.
- 30- Leila Mohamed Khosroshahi 1, Forough Parhizkar 2, Saeed Kachalaki 3, Ali Aghebati-Maleki 4, Leili Aghebati-Maleki 5. Immune checkpoints and reproductive immunology: Pioneers in the future therapy of infertility related Disorders? *Int Immunopharmacol.* 2021 Oct: 99:107935.
- 31- 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.
- 32- 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,
- 33- 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,
- 34- Farnaz Hajizadeh, Leili Aghebati Maleki, Markov Alexander, Mariya Vladimirovna Mikhailova, Ali Masjedi, Mohammad Ahmadpour, Vida Hashemi, Farhad Jadidi-Niaragh. Tumor-associated neutrophils as new players in immunosuppressive process of the tumor microenvironment in breast cancer. *Life Sci.* 2021 Jan 1:264:118699.
- 35- Meftahpour V, Malekghasemi S, Baghbanzadeh A, Aghebati-Maleki A, Pourakbari R, Fotouhi A, Aghebati-Maleki L. Platelet lysate: A promising candidate in regenerative medicine. *Regen Med.* 2021 Jan;16(1):71-85.
- 36- 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.

- 37- Rad AH, Aghebati-Maleki L, Kafil HS, Abbasi A. Molecular mechanisms of postbiotics in colorectal cancer prevention and treatment. *Crit Rev Food Sci Nutr.* 2021;61(11):1787-1803.
- 38- Homayouni Rad A, Aghebati Maleki L, Samadi Kafil H, Abbasi A. Postbiotics: A novel strategy in food allergy treatment. *Crit Rev Food Sci Nutr.* 2021;61(3):492-499.
- 39- Homayouni Rad A, Aghebati Maleki L, Samadi Kafil H, Fathi Zavoshti H, Abbasi A. Postbiotics as Promising Tools for Cancer Adjuvant Therapy. *Adv Pharm Bull.* 2021 Jan;11(1):1-5.
- 40- Homayouni Rad A, Aghebati Maleki L, Samadi Kafil H, Abbasi A. Postbiotics, as dynamic biomolecules, and their promising role in promoting food safety. *Biointerface Research in Applied Chemistry.* 11(6):14529-14544.2021.
- 41- Sanam Nami 1, Ali Aghebati-Maleki 2, Leili Aghebati-Maleki 3. Current applications and prospects of nanoparticles for antifungal drug delivery. *EXCLI J.* 2021 Mar 8;20:562-584.
- 42- Ramin Pourakbari 1, Sanaz Mansouri Taher 2, Bashir Mosayyebi 3, Mohammad Hosein Ayoubi-Joshaghani 3, Hamid Ahmadi 4, Leili Aghebati-Maleki 5. Implications for glycosylated compounds and their anti-cancer effects. *Int J Biol Macromol.* 2020 Nov 15;163:1323-1332.
- 43- 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.
- 44- 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.
- 45- Mahsa Sadeghzadeh 1, Soghra Bornehdeli 1, Haniye Mohahammadrezakhani 1, Mahsa Abolghasemi 1, Elham Poursaei 1, Milad Asadi 2, Venus Zafari 1, Leili Aghebati-Maleki 3, Dariush Shanehbandi 4. Dendritic cell therapy in cancer treatment; the state-of-the-art. *Life Sci.* 2020 Aug 1;254:117580.
- 46- Zhang L, Valizadeh H, Alipourfard I, Bidares R, Aghebati-Maleki L, Ahmadi M. Epigenetic Modifications and Therapy in Chronic Obstructive Pulmonary Disease (COPD): An Update Review. *COPD.* 2020 Jun;17(3):333-342.

- 47- Sama Izadpanah 1, Parastoo Shabani 1, Ali Aghebati-Maleki 1 2, Amir Baghbanzadeh 1, Ali Fotouhi 3, Amir Bisadi 3, Leili Aghebati-Maleki 1 4, Behzad Baradaran. Prospects for the involvement of cancer stem cells in the pathogenesis of osteosarcoma. *J Cell Physiol.* 2020 May;235(5):4167-4182.
- 48- Aghajani M, Mokhtarzadeh A, Aghebati-Maleki L, Mansoori B, Mohammadi A, Safaei S, Asadzadeh Z, Hajiasgharzadeh K, Khaze Shahgoli V, Baradaran B. CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. *Mol Biol Rep.* 2020 May;47(5):3691-3703.
- 49- 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.
- 50- 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.
- 51- 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.
- 52- 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.
- 53- Aziz Homayouni Rad 1, Leili Aghebati Maleki 2, Hossein Samadi Kafil 3, Hamideh Fathi Zavoshti 1, Aamin Abbasi. /Postbiotics as novel health-promoting ingredients in functional foods. *Health Promot Perspect.* 2020 Jan 28;10(1):3-4.
- 54- Somaiyeh Malekghasemi 1, Jafar Majidi 2 3, Amir Baghbanzadeh 1, Jalal Abdolalizadeh 4, Behzad Baradaran 2 3, Leili Aghebati-Maleki 2. Tumor-Associated Macrophages: Protumoral Macrophages in Inflammatory Tumor Microenvironment. *Adv Pharm Bull.* 2020 Sep;10(4):556-565.
- 55- Aghebati-Maleki A, Nami S, Baghbanzadeh A, Karzar BH, Noorolyai S, Fotouhi A, Aghebati-Maleki L. Implications of exosomes as diagnostic and therapeutic strategies in cancer. *J Cell Physiol.* 2019 Dec;234(12):21694-21706.

- 56- Leila Mohamed Khosroshahi, Ali Mohammadi, SonaRafieyan, Ali Aghbali, Ali Aghebati. Ali Fotouhi, leiliAghebati-Maleki, BehzadBaradaran. Effects of IL-4 and RANKL synergism on survival of peripheral blood monocytes in patients with giant cell granuloma. *Koomesh*.21(1), pp. 140-144.
- 57- 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.
- 58- 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.
- 59- 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*. 134-135, pp. 28-33.2019.
- 60- Forough Chakari-Khiavi, Sanam Dolati, Aref Chakari-Khiavi, Hossein Abbaszadeh, Leili Aghebati-Maleki, Tannaz Pourlak, Amir Mehdizadeh, Mehdi Yousefi. Prospects for the application of mesenchymal stem cells in Alzheimer's disease treatment. *Life Sciences*, 2019. 231,116564.
- 61- Sadreddini S, Baradaran B, Aghebati-Maleki A, Sadreddini S, Shanehbandi D, Fotouhi A, Aghebati-Maleki L. Immune checkpoint blockade opens a new way to cancer immunotherapy. *J Cell Physiol*. 2019 Jun;234(6):8541-8549.
- 62- 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.
- 63- 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.
- 64- Parastoo Shabani 1, Sama Izadpanah 1, Ali Aghebati-Maleki 1 2 3, Elham Baghbani 1, Amir Baghbanzadeh 1, Ali Fotouhi 4, Babak Bakhshinejad 5, Leili Aghebati-Maleki 1 6, Behzad Baradaran 1. Role of miR-142 in the pathogenesis of osteosarcoma and its potential as therapeutic approach. *J Cell Biochem*. 2019 Apr;120(4):4783-4793.



- 65- 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.
- 66- 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.
- 67- Sama Izadpanah 1, Parastoo Shabani 1, Ali Aghebati-Maleki 2, Elham Baghbani 1, Amir Baghbanzadeh 1, Ali Fotouhi 3, Babak Bakhshinejad 4, Leili Aghebati-Maleki 5, Behzad Baradaran .Insights into the roles of miRNAs; miR-193 as one of small molecular silencer in osteosarcoma therapy. *Biomed Pharmacother.* 2019 Mar;111:873-881.
- 68- Sanam Nami 1, Ali Aghebati-Maleki 2, Hamid Morovati 1, Leili Aghebati-Maleki 3. Current antifungal drugs and immunotherapeutic approaches as promising strategies to treatment of fungal diseases. *Biomed Pharmacother.* 2019 Feb;110:857-868.
- 69- 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.
- 70- Nasiri H, Valedkarimi Z, Aghebati-Maleki L, Majidi J..Antibody-drug conjugates: Promising and efficient tools for targeted cancer therapy. *J Cell Physiol.* 2018 Sep;233(9):6441-6457.
- 71- Fotouhi A, Maleki A, Dolati S, Aghebati-Maleki A, Aghebati-Maleki L..Platelet rich plasma, stromal vascular fraction and autologous conditioned serum in treatment of knee osteoarthritis. *Biomed Pharmacother.* 2018 Aug;104:652-660.
- 72- Sanam Dolati, Farogh 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.
- 73- Ramyar Azizi, Leili Aghebati-Maleki, Mohammad Nouri, Farogh Marofi, Sohrab Negargar, Mehdi Yousefi. Stem cell therapy in Asherman syndrome and thin endometrium: Stem cell-based therapy *Biomedicine & Pharmacotherapy.* Volume 102, June 2018, Pages 333-343.
- 74- 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.
- 75- Zahra Valedkarimi 1, Hadi Nasiri 1, Leili Aghebati-Maleki 2, Jafar Majidi. Antibody-cytokine fusion proteins for improving efficacy and safety of cancer therapy. *Biomed Pharmacother.* 2017 Nov;95:731-742.

- 76- Mojgan Esparvarinha 1, Hamid Nickho 1, Hamed Mohammadi 1, Leili Aghebati-Maleki 1, Jalal Abdolalizadeh 2, Jafar Majidi 3. The role of free kappa and lambda light chains in the pathogenesis and treatment of inflammatory diseases. *Biomed Pharmacother*. 2017 Jul;91:632-644.
- 77- Dariush Shanehbandi 1 2, Jafar Majidi 1, Tohid Kazemi 1 2, Behzad Baradaran 1, Leili Aghebati-Maleki 1 2, Farzaneh Fathi 2 3, Jafar Ezzati Nazhad Dolatabadi. Immuno-biosensor for detection of CD20-positive cells using Surface Plasmon Resonance. *Adv Pharm Bull*. 2017 Jun;7(2):189-194.
- 78- Leili Aghebati-Maleki, Mahdi Shabani, Behzad Baradaran, Morteza Motalebnezhad, 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.
- 79- Dariush Shanehbandi 1, Jafar Majidi 1, Tohid Kazemi 1, Behzad Baradaran 1, Leili Aghebati-Maleki. CD20-based immunotherapy of B-cell derived hematologic malignancies. *Curr Cancer Drug Targets*. 2017;17(5):423-444.
- 80- Leili Aghebati-Maleki, Babak Bakhshinejad, Behzad Baradaran, Morteza Motalebnezhad, 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.
- 81- Morteza Motalebnezhad, 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).
- 82- Fatemeh Zare Shahneh 1, Behzad Baradaran, Fatemeh Zamani, Leili Aghebati-Maleki. Tumor angiogenesis and anti-angiogenic therapies. *Hum Antibodies*. 2013;22(1-2):15-9.
- 83- Leili Aghebati Maleki 1, Behzad Baradaran, Jafar Majidi, Mozhdeh Mohammadian, Fatemeh Zare Shahneh. Future prospects of monoclonal antibodies as magic bullets in Immunotherapy. *Hum Antibodies*. 2013;22(1-2):9-13.

## **Books**

- 1- "Recent advances in immunotherapeutic approaches for recurrent reproductive failure", IntechOpen, 2022
- 2- "Comprehensive immunology for immunology student" Khalili publication, Tehran, Iran, 2014.
- 3- "Comprehensive immunology for non immunology student" Khalili publication, Tehran, Iran, 2014.

## **Conferences, Seminars and Talks:**

|    |                                                                                                                              |                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Evaluating exhausted CD4 and CD8 T lymphocytes in different trimesters during normal pregnancy                               | 18th International Congress of Immunology<br>27 November - 2 December 2023   Cape Town, South Africa                                 |
| 2  | Immunomodulatory effect of vaginal probiotics and its impact on patients with repeated implantation failure (RIF)            | 18th International Congress of Immunology<br>27 November - 2 December 2023   Cape Town, South Africa                                 |
| 3  | Cancer combination therapies with Sorafenib and anti-miR-222 in renal cell carcinoma                                         | 16th International Congress of Immunology and Allergy" (ICIA2023) 27-29 April 2023/ Tehran/Iran                                      |
| 4  | Effect of small interfering RNA (siRNA)-mediated silencing of PD-L1 on BCL-2 expression in HN5 Cell Line                     | 16th International Congress of Immunology and Allergy" (ICIA2023) 27-29 April 2023/ Tehran/Iran                                      |
| 5  | Correlation between PD-1 inhibition and c-MYC expression in oral squamous cell carcinoma cell line (HN5)                     | 16th International Congress of Immunology and Allergy" (ICIA2023) 27-29 April 2023/ Tehran/Iran                                      |
| 6  | The effect of PD-L1 blockade on hepatocellular carcinoma cells apoptosis                                                     | 1st International and the 21st national congress of the Iranian society of medical oncology and Hematoogy/19-22 Oct,2022/Tabriz/Iran |
| 7  | The effect of siRNA-mediated PD-L1 blockade on the viability, proliferation, and migration of hepatocellular carcinoma cells | 1st International and the 21st national congress of the Iranian society of medical oncology and Hematoogy/19-22 Oct,2022/Tabriz/Iran |
| 8  | Restoration of miR-193a expression suppresses Osteosarcoma cancer cell proliferation, viability, and migration               | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran                               |
| 9  | The effect of miR-142a-3p replacement and Taxol on inhibition of proliferation, metastasis and apoptosis in osteosarcoma     | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran                               |
| 10 | Implications for glycosylated compounds and their anti-cancer effects                                                        | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran                               |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 11 | Preeclampsia-Exosomes: Their role in Th17/Treg axis imbalance in healthy pregnant women                                                                                                           | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran            |
| 12 | Early stage evaluation of colon cancer using tungsten disulfide quantum dots and bacteriophage nano-biocomposite as an efficient electrochemical platform                                         | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran            |
| 13 | Cell therapy in female infertility-related diseases: Emphasis on recurrent miscarriage and repeated implantation failure                                                                          | 15th Virtual International Congress of Immunology and Allergy<br>ICIA2021/27-29th January/ Ahvaz /Iran            |
| 14 | Evaluation of anti-tumor potential of Bacillus Calmette-Guerin, Thalidomide angiogenesis inhibitor, Heat shock proteins and Bifidobacterium simultaneousness on Fibrosarcoma Tumor in Balb/c Mice | 11th International Congress of Immunology & Allergy of Iran/ April 26-29, 2012. Tehran                            |
| 15 | Induction of programmed cell death (apoptosis) in cancer cell lines WEHI-164 and PC3 by metanolic extract of chelidonium majus                                                                    | 11th International Congress of Immunology & Allergy of Iran/ April 26-29, 2012. Tehran                            |
| 16 | Super monoclonal related to large scale production of anti-human IgG in peritoneum of Balb/c Mice                                                                                                 | 11th International Congress of Immunology & Allergy of Iran/ April 26-29, 2012. Tehran                            |
| 17 | Super anti-human IgG monoclonal with optical density over than 3                                                                                                                                  | 11 <sup>th</sup> International Congress of Immunology & Allergy of Iran/ April 26-29, 2012. Tehran                |
| 18 | Risk factors of asthma in preschool children                                                                                                                                                      | 15 <sup>th</sup> International congress of Immunology. August.2013, Milan, Italy/ August.2013 Milan, Italy        |
| 19 | Anti-tumor effects of heat shock proteins, Bacillus Calmette-Guérin, angiogenesis inhibitor, Bifidobacterium and Immuno-Modulator Drug on fibrosarcoma in mice                                    | 15th International congress of Immunology. August.2013, Milan ,Italy/ August.2013, Milan, Italy                   |
| 20 | Production and characterization of murine monoclonal antibodies against human synthetic peptide of CD34                                                                                           | 15 <sup>th</sup> International congress of Immunology. August.2013, Milan, Italy/ August.2013, Milan, Italy       |
| 21 | Mass-production and characterization of anti-human CD34 monoclonal antibody in peritoneum of BALB/c mice                                                                                          | 15 <sup>th</sup> International congress of Immunology. August.2013, Milan, Italy/ August.2013, Milan, Italy       |
| 22 | Generation and characterization of anti-CD34 monoclonal antibodies reactive with hematopoietic stem cells.                                                                                        | 21 <sup>st</sup> International Iranian congress of physiology and pharmacology, / August2013, Tabriz,Iran         |
| 23 | Production and Purification of polyclonal antibody against attenuated and wild type leishmania infantum in dog.                                                                                   | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014 |
| 24 | Production and characterization of a monoclonal antibody against CD11b.                                                                                                                           | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014 |
| 25 | Production of anti-CD14 monoclonal antibody using synthetic peptide of human CD14.                                                                                                                | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014 |

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| 26 | Large Scale Generation and Characterization of Anti-Human IgA Monoclonal Antibody in Ascetic Fluid of Balb/c Mice.                                     | 12 th International Congress of Immunology & Allergy of Iran / Milad Tower-Tehran-Iran. 29 th April -2th May, 2014 |
| 27 | Production and Characterization of Murine Monoclonal Antibodies against Synthetic Peptide of CD34.                                                     | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014. |
| 28 | Purification of mouse IgG2a subclass.                                                                                                                  | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014. |
| 29 | Evaluation of a simple and rapid protocol for purification of mouse IgG1.                                                                              | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014. |
| 30 | Preparation and Evaluation of Polyclonal Anti Body Against ExotoxinA- Flagellin Fusion Protein of Pseudomonas aeruginosa in Rabbit.                    | 12 th International Congress of Immunology & Allergy of Iran, Milad Tower-Tehran-Iran. 29 th April -2th May, 2014. |
| 31 | Effects of Some Natural Immunomodulatory Compounds in Combination with Thalidomide on Survival Rate and Tumor Size in Fibrosarcoma-Bearing Mice        | 4th European Congress of Immunology - ECI 2015 - Vienna, Austria                                                   |
| 32 | A simple and practical method for increasing of proliferation the mesenchymal stem cells in mouse                                                      | 4th European Congress of Immunology - ECI 2015 - Vienna, Austria                                                   |
| 33 | The effect of heavy chain carboxy terminal (HCC) subdomain of tetanus toxin on purified human T lymphocytes                                            | 4th European Congress of Immunology - ECI 2015 - Vienna, Austria                                                   |
| 34 | Production of Anti-CD14 Monoclonal Antibody Using Synthetic Peptide of Human CD14 as Immunizing Antigen                                                | 4th European Congress of Immunology - ECI 2015 - Vienna, Austria                                                   |
| 35 | Production and characterization of mouse monoclonal antibody against human IgA                                                                         | 4th European Congress of Immunology - ECI 2015 - Vienna, Austria                                                   |
| 36 | Evaluation of the CCNE2 Gene Polymorphism in Iranian Patients with breast cancer                                                                       | 13th International Congress of Immunology & Allergy /Tabriz/ Iran / 26th- 29th April, 2016                         |
| 37 | Specific role of the monoclonal antibody for detection of Glomalin-Pb complex, a strategy for supplying and promoting of the food quality and security | 13th International Congress of Immunology & Allergy /Tabriz/ Iran / 26th- 29th April, 2016                         |
| 38 | Purification of polyclonal antibody from dogs infected with Leishmania infantum.                                                                       | 13th International Congress of Immunology & Allergy /Tabriz/ Iran / 26th- 29th April, 2016 .                       |
| 39 | Development and functional evaluation of anti-ROR1 scFv on a panel of B- CLL cells                                                                     | 13th International Congress of Immunology & Allergy /Tabriz/ Iran / 26th- 29th April, 2016 .                       |
| 40 | Isolation of Anti-IGF1R Single Chain Variable Fragment Antibodies by Phage Display Technology                                                          | 13th International Congress of Immunology & Allergy /Tabriz/ Iran / 26th- 29th April, 2016                         |

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| 41 | Rapid and simple digesting human IgG with pepsin and one step purification F(ab') <sub>2</sub> in large scale                                                                  | 13th International Congress of Immunology & Allergy /26th- 29th April, 2016     Tabriz-Iran.                                                                                  |
| 42 | A Simple Method for Production of F(ab') <sub>2</sub> Prepared by Pepsin Digestion of Rabbit Anti Human IgG,                                                                   | 13th International Congress of Immunology & Allergy /26th- 29th April, 2016     Tabriz-Iran.                                                                                  |
| 43 | Isolation of single chain variable fragment (scFv) specific for Frizzled 7 (Fzd7) receptor from human single fold scFv libraries                                               | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 44 | Effects of IL17RB siRNA and doxorubicin dual delivery by chitosan nanoparticles on cytotoxicity, gene expression, apoptosis and migration of MDAMB361 Breast cancer cell line- | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 45 | Evaluation of the synergistic effect of IL-4 and integrin $\alpha V\beta 5$ on Monocytes apoptosis in giant cell granuloma patients                                            | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 46 | Purification of human serum albumin using Affinity Chromatography                                                                                                              | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 47 | Purification of bovine serum albumin using immunoaffinity chromatographic                                                                                                      | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 48 | Evaluation of Preventive Effect of polyclonal antibody against ExotoxinA-Flagellin Pseudomonas aeruginosa infections in mice                                                   | 13th International Congress of Immunology & Allergy / 26th- 29th April, 2016     Tabriz-Iran.                                                                                 |
| 49 | Production and Characterization of Anti-ROR1 scFvs by Phage Display Technology                                                                                                 | The 9th International Congress of Laboratory and Clinic. The 2th National Congress of Basic Medical Sciences & Knowledge-based Production/(21-24 February2017)                |
| 50 | Scale up Production and Characterization of Anti Human CD Markers Monoclonal Antibodies in Ascetic Fluid of Balb/c Mice,                                                       | The 9th International Congress of Laboratory and Clinic The 2th National Congress of Basic Medical Sciences & Knowledge-based Production 3-6 1395 اسفند. (21-24 February2017) |
| 51 | Induction of anti-proliferative and apoptotic effects by anti-ROR1 receptor single chain antibodies in cancer cells                                                            | The 9th International Congress of Laboratory and Clinic The 2th National Congress of Basic Medical Sciences & Knowledge-based Production 3-6 1395 اسفند. (21-24 February2017) |
| 52 | Anti-proliferative and apoptotic effects of novel anti-ROR1 single chain antibodies in hematological malignancies                                                              | The Third International Congress of Immunology, Asthma & Allergy, 15-17 February, 2017.                                                                                       |
| 53 | Isolation and characterization of anti ROR1 single chain fragment variable,                                                                                                    | The Third International Congress of Immunology, Asthma & Allergy, 15-17 February, 2017.                                                                                       |
| 54 | Development of a Hybridoma Cell Line Secreting Monoclonal Antibody against CD45                                                                                                | 1st National Festival and International Congress on Stem Cell and Regenerative Medicine (ICSC2016), Tehran, May 19-21, 2016.                                                  |

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| 55 | Diagnostic test for ovarian cancer: Development of a Hybridoma Cell Line Secreting Monoclonal Antibody against tumor marker (CA-125),                   | The 5th Iranian International Conference on Women's Health, Shiraz, Iran, 18 and 19, 2016.                                 |
| 56 | Study of miR-21 & MMP-3 Expression in Metastatic Breast Cancer Cell Line after Suppression of Bach1 Gene Expression by a Small Interference RNA (siRNA) | International Tehran Breast Cancer Congress (TBCC9) Original Article 175 18-20 October 2017                                |
| 57 | Targeting receptor tyrosine kinases (RTKs): Selection and evaluation of a specific scFv antibody against ROR1,                                          | International Congress of Immunology, Asthma and Allergy The First Symposium of Food and Drug Allergy, Mashhad 6 May 2016. |
| 58 | Development and characterization of monoclonal antibodies against leukocyte common antigen towards using in basic research.                             | 4th congress on Navel & Innovative laboratory Technologies, 26-27 Oct 2016/Iran                                            |
| 59 | Circulating cell-free DNA as a Potential Biomarker in Diagnosis of Cancer                                                                               | 4th congress on Navel & Innovative laboratory Technologies, 26-27 Oct 2016.Iran                                            |
| 60 | Macrophage repolarization using PLGA-PEG nanoparticles containing Chrysin: possible application in regenerative medicine,                               | 14th international congress of Immunology and Allergy, Tehran, Iran, 2018 (ICIA2018).                                      |
| 61 | TH17 and Treg frequencies in treatment of RPL women with immune abnormalities after IVIG therapy,                                                       | 14th international congress of Immunology and Allergy, Tehran, Iran, 2018 (ICIA2018).                                      |
| 62 | Effect of IVIG on exhausted T cell and exhausted regulatory T cells in women with recurrent miscarriage.                                                | 14th international congress of Immunology and Allergy, Tehran, Iran, 2018 (ICIA2018).                                      |
| 63 | Preserving Th17/Treg Balance to be Considerable in the Pathogenesis of Behçet's Disease.                                                                | 14th international congress of Immunology and Allergy, Tehran, Iran, 2018 (ICIA2018).                                      |
| 64 | A simple and practical method for increasing of proliferation the mesenchymal stem cells in mouse.                                                      | 1 st International and 5 th national congress on stem cells , 15-17 januray , 2015 , Tehran,Iran                           |
| 65 | The efforts and scientific achievements for the diagnosis and treatment of chronic lymphocytic leukemia with targeting ROR1                             | 10 <sup>th</sup> International congress of laboratory and Clinic/2018 January 31 , Tehran/Iran                             |

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| 66 | The potential role of IL-4 and receptor activator of NF- $\kappa$ B ligand in the pathogenesis of giant cell granuloma              | 10th International congress of laboratory and Clinic/2018 January 31 , Tehran/Iran                                                                                                        |
| 67 | Simple method for Isolation and characterization of single chain fragment variable (scFv) antibodies                                | 10th International congress of laboratory and Clinic/2018 January 31 , Tehran/Iran                                                                                                        |
| 68 | Exosomes As A Promising Approach In Cancer Diagnosis And Therapy                                                                    | 11th International congress of laboratory and Clinic/16-18 January2019, Tehran/Iran                                                                                                       |
| 69 | Nanobodies: Emerging Tools For Research, Diagnostics And Therapy                                                                    | 11th International congress of laboratory and Clinic/16-18 January2019, Tehran/Iran                                                                                                       |
| 70 | Increased serum immunoglobulin free light chains levels associated with poor prognosis in patient's rheumatoid arthritis            | 12th International congress of laboratory and Clinic/12-14 December 2019, Tehran/Iran                                                                                                     |
| 71 | Implications of exosomes as diagnostic and therapeutic strategies in cancer                                                         | 12th International congress of laboratory and Clinic/12-14 December 2019, Tehran/Iran                                                                                                     |
| 72 | The potential of exosomes in the therapy of osteoarthritis                                                                          | 12th International congress of laboratory and Clinic/12-14 December 2019, Tehran/Iran                                                                                                     |
| 73 | 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/2017 28-30 April /Yazd/Iran |
| 74 | Nanoparticles and targeted drug delivery: as promising therapeutic approaches in cancer therapy                                     | 6th National & 2nd International Congress on Novel and Innovative Laboratory Technologies/17-19 October 2018                                                                              |
| 75 | Phage display as a promising approach for vaccine development                                                                       | 6th National & 2nd International Congress on Novel and Innovative Laboratory Technologies/17-19 October 2018                                                                              |

### **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                    | Supervi<br>sor | Advisor | Year |                 | course           |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|---------|------|-----------------|------------------|
| 1 | <b>The expression level of the Peptidyl arginine deiminase (PAD4) in women with recurrent implantation failure (RIF) compared to healthy individuals</b>                                                                         | Hamed Olfat                |                | √       | 2023 | Medical Student | MD               |
| 2 | <b>Evaluation of gene and protein expression and also function of PAD4 enzyme in patients with recurrent miscarriage compared to the control group</b>                                                                           | Lida Aslanian<br>Kalkhoran | √              |         | 2023 | Ph.D            | Immuno<br>logy   |
| 3 | <b>Investigating the effect of reducing the expression of proteins involved in the endoplasmic reticulum stress pathway on the expression of inhibitory immune checkpoints of monocyte-derived dendritic cells under stress.</b> | Negin Karamali             | √              |         | 2023 | Ph.D            | Immuno<br>logy   |
| 4 | <b>The effect of postbiotics derived from native probiotics on biofilm formation, peptide profiling, antibiotic resistance, and expression of virulence genes of Escherichia coli and Salmonella typhimurium</b>                 | Mahdi Asghari<br>Ozma      |                | √       | 2022 | Ph.D            | Bacterio<br>logy |
| 5 | <b>Evaluation of the effect of PLAC-1 gene knock down with specific siRNA on immune system responses changes in the tumorized mouse with CT-26 Cell line</b>                                                                     | mojgan<br>esparvarinha     | √              |         | 2023 | Ph.D            | Immuno<br>logy   |
| 6 | <b>Investigation of chemotherapy drugs effect on immune checkpoints expression in the</b>                                                                                                                                        | Arezou Jafari              |                | √       | 2023 | Medical Student | MD               |

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|    | <b>melanoma cancer cell line</b>                                                                                                                                                              |                                 |   |   |      |                 |                |
| 7  | <b>The effects of T CD8-derived exosomes obtained from healthy individuals on the expression of autophagic genes in the MOLT-4 cell line</b>                                                  | Alireza fagiri beyrami          |   | √ | 2023 | MSc             | Immuno<br>logy |
| 8  | <b>Evaluation of changes in Treg cells and exhausted T lymphocytes in patients with sepsis with positive culture in comparison with the patients with negative culture</b>                    | maria bahramian                 |   | √ | 2022 | Medical Student | MD             |
| 9  | <b>The impact of COVID-induced autoantibodies in success rate of embryo implantation in patients with infertility</b>                                                                         | hamideh zareh                   |   | √ | 2022 | Medical Student | MD             |
| 10 | <b>Investigation of prymethamine treated monocyte-derived dendritic cells pulsed with breast cancer cell lysate effects on the responses of autologous peripheral blood mononuclear cells</b> | Sepideh Sohrabi                 |   | √ | 2022 | MSc             | Immuno<br>logy |
| 11 | <b>Evaluating of miR-10a expression and its relation with TGF-<math>\beta</math> and IL-10 levels in SARS-CoV-2 patients compared to healthy controls</b>                                     | Pezhman Damvar                  | √ |   | 2022 | Medical Student | MD             |
| 12 | <b>Evaluating of miR-155 expression and its relation with frequency of Th17 lymphocytes and IL-17, IL-21, and IL-6 levels in Multiple sclerosis patients compared to healthy controls</b>     | sayed pedram amanollahi kilaneh | √ |   | 2022 | Medical Student | MD             |
| 13 | <b>Evaluating of miR-10a expression and its relation with regulatory T lymphocytes frequency and TGF-<math>\beta</math> and IL-10 levels in Multiple sclerosis</b>                            | Ali Khakpour                    | √ |   | 2022 | Medical Student | MD             |

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|    | <b>patients compared to healthy controls</b>                                                                                                         |                       |   |   |      |                 |            |
| 14 | <b>The effect of Afinitor (Everolimus) treatment on the expression of inhibitory immune checkpoint molecules in monocyte-derived dendritic cells</b> | Mahshid Kafshdouz     |   | √ | 2022 | Medical Student | MD         |
| 15 | <b>Simultaneous efficacy of Avastin and Garciniamorla extract in anticancer activity on lung cancer cell lines</b>                                   | Mahdi Eftkrhari heris | √ |   | 2022 | Medical Student | MD         |
| 16 | <b>Simultaneous efficacy of Doxorubicin hydrochloride and Garcinia morla extract in anticancer activity on lung cancer cell lines</b>                | behnam ghaderian      | √ |   | 2022 | Medical Student | MD         |
| 17 | <b>Evaluation of the effect of doxorubicin on PD-L1 checkpoint immune expression and related miRNAs in osteosarcoma cancer cell line</b>             | Aria Fallah           | √ |   | 2022 | Medical Student | MD         |
| 18 | <b>Investigation of chemotherapy drugs effect on immune checkpoints expression in the prostate cancer cell line</b>                                  | Maedeh Alipour        |   | √ | 2022 | MSc             | Immunology |
| 19 | <b>Evaluation of IGF-1, CD39, CD73 and related miRNAs level in patients with Behcet's syndrome compared to healthy controls</b>                      | Robab Gharagehdagi    | √ |   | 2022 | Medical Student | MD         |
| 20 | <b>Evaluation of the immune checkpoint factors in patients with Behcet's syndrome compared to healthy controls</b>                                   | Ali Jeddi             | √ |   | 2022 | Medical Student | MD         |
| 21 | <b>The evaluation of PD-1 and TIM-3 expression and related miRNAs in women with recurrent pregnancy loss compared to healthy pregnant</b>            | Saro Bromand          | √ |   | 2022 | Medical Student | MD         |

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|    | <b>women</b>                                                                                                                                                                                                                                                |                        |   |   |      |                 |                   |
| 22 | <b>Evaluation of FCRL1-6 expression in PBMCs of patients with Covid 19 and its relationship with disease severity in these patients</b>                                                                                                                     | Reza Najafi            | √ |   | 2022 | Medical Student | MD                |
| 23 | <b>Evaluation of the functional properties of postbiotics derived from native probiotics isolated from food products in vitro</b>                                                                                                                           | Hossein Behradfar      | √ |   | 2022 | Medical Student | MD                |
| 24 | <b>Relationship between MRI perfusion parameters and KI67 expression in breast cancer: A systematic review and meta-analysis</b>                                                                                                                            | Peyman Tabnak          | √ |   | 2022 | Medical Student | MD                |
| 25 | <b>The gene expression analysis of colorectal cancer cells with a system biology approach.</b>                                                                                                                                                              | Ahmad Rafi             |   | √ | 2022 | Medical Student | MD                |
| 26 | <b>Investigation of the relationship between genotypes of the Echinococcus granulosus larval stage and clinical features of hydatid cysts in patients admitted to Emam reza hospital of Tabriz city</b>                                                     | Sahel Ghahremani       | √ |   | 2022 | Medical Student | MD                |
| 27 | <b>Investigation of antimicrobial effect of postbiotics derived from Bifidobacterium lactis (Bb12) on Streptococcus mutans and determination of physicochemical, rheological and sensory properties of chewing gum containing the mentioned postbiotics</b> | Esmaeel Mirzakhani     |   | √ | 2022 | MSc             | Nutrition science |
| 28 | <b>Preoperative lymph node metastasis prediction with CT-scan based Radiomics in gastric cancer patients; a systematic review</b>                                                                                                                           | Zanyar Haji esmil poor | √ |   | 2022 | Medical Student | MD                |

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| 29 | <b>The effects of Glatiramer acetate on gene expression profile of nicotinic acetylcholine receptors in relapsing remitting multiple sclerosis (RRMS) patients</b>                   | Aysan Talebi          |   | √ | 2022 | Medical Student | MD         |
| 30 | <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 |
| 31 | <b>The prevalence of Candida species in gingival crevicular fluid in patients with chronic periodontitis referred to the dental faculty of Tabriz University of Medical Sciences</b> | hossein faraji        |   | √ | 2021 | Medical Student | MD         |
| 32 | <b>Investigating the impact of CTLA4 silencing on growth and proliferation in HN-5 cell line</b>                                                                                     | Hossein Molapour      | √ |   | 2021 | Medical Student | MD         |
| 33 | <b>Evaluation of Biological Effects of Postbiotics on the Osteoarthritis</b>                                                                                                         | Arash Mohammadi       | √ |   | 2021 | Medical Student | MD         |
| 34 | <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 |
| 35 | <b>Evaluation of the effects of nanocurcumin on the secretion of inflammatory and anti-inflammatory cytokines in patients with preeclampsia</b>                                      | leila azhdari habashi | √ |   | 2021 | Medical Student | MD         |
| 36 | <b>Evaluation of changes in the expression of molecules of immune checkpoints of Sorafenib -treated</b>                                                                              | Kamyar Minaei         | √ |   | 2021 | Medical Student | MD         |

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|    | <b>Hepatocellular carcinoma cell</b>                                                                                                                                                                                     |                                 |   |   |      |                 |                  |
| 37 | <b>The effect of CTLA4 silencing on Hepatocellular carcinoma cell survival</b>                                                                                                                                           | mohammad movludi                | √ |   | 2021 | Medical Student | MD               |
| 38 | <b>Evaluation of apoptosis induced by CTLA4 inhibition in Esophageal cancer cell</b>                                                                                                                                     | mahdi zarei                     | √ |   | 2021 | Medical Student | MD               |
| 39 | <b>The effect of CTLA4 inhibition on cancer cell survival</b>                                                                                                                                                            | Najmaddin Pilafkan              | √ |   | 2021 | Medical Student | MD               |
| 40 | <b>Evaluating the effect of PD-L1 gene silencing on growth , migration and apoptosis in oral squamous carcinoma cell line</b>                                                                                            | aynaz samadnezhad               | √ |   | 2021 | Medical Student | MD               |
| 41 | <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            | Immuno<br>logy   |
| 42 | <b>Investigating the impact of PD-L1 silencing on growth and proliferation in kidney cancer</b>                                                                                                                          | Mozhde Seidimoradi              | √ |   | 2021 | Medical Student | MD               |
| 43 | <b>Investigating the impact of PD-L1 silencing on apoptosis in liver cancer</b>                                                                                                                                          | Hamed Mahmoudi                  | √ |   | 2021 | Medical Student | MD               |
| 44 | <b>Prevalence of Candida species in neutropenic patients referred to shahid ghazi hospital affiliated to Tabriz University of Medical Sciences and their drug susceptibility pattern to Caspofungin and voriconazole</b> | Hossein Abdollahzadeh           |   | √ | 2021 | Medical Student | MD               |
| 45 | <b>Hyssop effects on immune system of healthy individuals</b>                                                                                                                                                            | Masoumeh Ghasempour             |   | √ | 2021 | Resident        | Pediatric<br>ian |
| 46 | <b>Investigation of the combined effect of immunotherapy with DCs pulsed with Breast tumor cell lysates and CTLA-4 inhibitor on T cell respons</b>                                                                       | Mohammad Bakhshivand            |   | √ | 2021 | MSc             | Immuno<br>logy   |

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| 47 | <b>Investigation of The combined effect of immunotherapy with DCs pulsed with colorectal tumor cell lysates and CTLA-4 inhibitor on T cell response</b>                             | Farid Ghorbaninezhad         |   | √ | 2021 | MSc             | Immunology        |
| 48 | <b>Effects of probiotic yeast, <i>Saccharomyces cerevisiae</i> and <i>Saccharomyces boulardi</i> on proliferation and apoptosis of ovarian cancer cells</b>                         | Arezoo sepehri khameneh      | √ |   | 2020 | Medical Student | MD                |
| 49 | <b>The evaluation of IL-23 expression in <i>Trichomonas vaginalis</i> infection, in vitro</b>                                                                                       | mahtab mohammadpour dereshgi | √ |   | 2020 | Medical Student | MD                |
| 50 | <b>Effect of B7-H6 Gene Expression Suppression and 5-FU drug on Inhibition of Gastric Cancer Cell Growth</b>                                                                        | katayoun dolatkah            |   | √ | 2020 | MSc             | Biology           |
| 51 | <b>Silencing of C-Myc to increase the sensitivity of acute lymphoblastic leukemia cells to cyclophosphamide</b>                                                                     | mehrdad khalili dizaji       | √ |   | 2020 | Medical Student | MD                |
| 52 | <b>Blockade of PI3K in acute lymphoblastic leukemia cells to enhance the impact of cyclophosphamide</b>                                                                             | yaser valizadeh              | √ |   | 2020 | Medical Student | MD                |
| 53 | <b>The survey of anticancer effects of postbiotics derived from <i>Lactobacillus casei</i> L431 and <i>Saccharomyces boulardii</i> on HCT-116 cancer and HFF normal cell lines.</b> | Amin Abbasi                  | √ |   | 2020 | MSc             | Nutrition science |
| 54 | <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        |
| 55 | <b>Investigating the impact of NET1 silencing on apoptotic effects of Methotrexate in acute lymphoblastic leukemia</b>                                                              | Hamid Hamdi Hajibaba         | √ |   | 2020 | Medical Student | MD                |

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| 56 | <b>Investigating the apoptotic effect of cyclophosphamide in combination with BV6 in acute lymphoblastic leukemia</b>                                                                                             | sina rasoulzadeh          | √ |   | 2020 | Medical Student | MD           |
| 57 | <b>The combination effect of Immune checkpoint inhibitor and MDSC inhibitor in lung cancer</b>                                                                                                                    | Elham Baghbani            |   | √ | 2020 | Ph.D            | Immunology   |
| 58 | <b>Evaluation of the Effect of liposomal voriconazole on growth, ergosterol biosynthesis and ERG11, CDR1p and CDR2p genes expression of fluconazole resistant Candida albicans using Real-time PCR technique.</b> | Behnaz Bahari Barooghi    | √ |   | 2020 | Medical Student | MD           |
| 59 | <b>Effects of probiotic yeast, Saccharomyces cerevisiae and Saccharomyces boulardi on proliferation and apoptosis of breast cancer cells (MDA-MB-231)</b>                                                         | amineh keyvani            | √ |   | 2019 | Medical Student | MD           |
| 60 | <b>The effect of suppression of CD44 gene expression on the sensitization of HL-60 Cells to Daunorubicin</b>                                                                                                      | zohreh yaghoubi           |   | √ | 2019 | MSc             | Immunology   |
| 61 | <b>The evaluation of TLR5 expression in the human vaginal epithelial cells infected by Trichomonas vaginalis</b>                                                                                                  | SORAYA MOHAMMADIESFANJANI | √ |   | 2019 | MSc             | Parasitology |
| 62 | <b>Evaluation of Salivary Transferrin level in patients with Oral Squamous cell Carcinoma (oscc)</b>                                                                                                              | Dorna Abdolzade           |   | √ | 2019 | Medical Student | MD           |
| 63 | <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   |
| 64 | <b>Frequency and development</b>                                                                                                                                                                                  | Ladan                     |   | √ | 2018 | Resident        | Gynecol      |



|    |                                                                                                                                                               |                    |   |   |      |     |                |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---|---|------|-----|----------------|
|    | <b>factors analysis of B cells subsets (Breg, memory B cells, IFN-<math>\gamma</math> producing B cells) in Recurrent Implantation Failure (RIF) patients</b> | Koushaeian         |   |   |      |     | ogy            |
| 65 | <b>Design and production of anti body-based nanoscale biosensor for detection of ROR-1 biomarker</b>                                                          | Rozita Abolhasan   | √ |   | 2018 | MSc | Immuno<br>logy |
| 66 | <b>Design and production of phage-based nano scale biosensor for detection of ROR-1 biomarker</b>                                                             | Amin Kamrani       |   | √ | 2018 | MSc | Immuno<br>logy |
| 67 | <b>The effects of miR-142 replacement on inhibition of proliferation and migration in osteosarcoma cell line</b>                                              | parastoo shabani   | √ |   | 2018 | MSc | Genetics       |
| 68 | <b>The effect of miR-193a replacement on inhibition of proliferation and migration in osteosarcoma cell line</b>                                              | sama izadpanah     | √ |   | 2018 | MSc | Genetics       |
| 69 | <b>Inflammation Factors and Oxidative Stress in Recurrent implantation failure (RIF) Patients With and Without Metabolic Syndrome</b>                         | Golshan Sheikhsari | √ |   | 2018 | MSc | Immuno<br>logy |
| 70 | <b>Investigation of the effect of siRNA molecules against CD133 on the apoptosis, proliferation, and migration in the prostate</b>                            | Marjan aghajani    |   | √ | 2017 | MSc | Immuno<br>logy |
|    |                                                                                                                                                               |                    |   |   |      |     |                |
|    |                                                                                                                                                               |                    |   |   |      |     |                |

## **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