

Elaheh Emadi

Born on: 25th of January, 1986 in Isfahan, Iran
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Education

• **2015-2021 PhD:** Molecular Medicine, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
PhD thesis: "Immobilization of HLA-G antibody on functionalized superparamagnetic nanoparticles for isolation of trophoblast cells"
Supervisors: Professor Seyed Mehdi Kalantar and Professor Abdol-Khalegh Bordbar
GPA: 19.23/20. Thesis Score: 20/20.

• **2010- 2013 MSc:** Cellular and Molecular Biology, Razi University, Kermanshah, Iran and Isfahan University of Medical Sciences, Isfahan, Iran.
Master thesis: "Evaluation of *Hox transcript antisense intergenic RNA (HOTAIR)* gene expression in gastric cancer"
Supervisors: Dr. Ali Bidmeshkipour and Dr. Parvaneh Nikpour
GPA: 18.28/20. 1st rank among Cellular and Molecular Biology students. Thesis Score: 20/20.

• **2004-2008 BSc:** Biology, Shahrekord University, Shahrekord, Iran. GPA: 16.61/20. 4th rank among 58 Biology students.

Research experience

• **2022-2024 Postdoctoral Researcher:** Imam Reza Hospital, Mashhad University of Medical Sciences, Mashhad, Iran.

❖ Project: "Investigation of the effect of platelet-rich plasma-fibrin glue (PRP-FG)-containing repairing gel in combination with oral methylene blue (MB) for chronic diabetic foot ulcer (DFU) treatment: a pilot study" - Funded by Mashhad University of Medical Sciences Supervisor: Professor Daryoush Hamidi-Alamdari

- The efficacy and safety of the new combined therapy of PRP-FG-containing repairing gel and oral MB for chronic DFUs were proven.
- The healing process of chronic DFUs was accelerated by using the combined therapy of a PRP-FG-containing repairing gel and oral MB.

❖ Project: "Increasing the efficacy of platelet- fibrin glue in treatment of recalcitrant wound by adding repairing gel which has the approved components used in wound healing" - Funded by Mashhad University of Medical Sciences Supervisor: Professor Daryoush Hamidi-Alamdari

- The efficacy and safety of the new PRP-FG-containing repairing for chronic wounds were proven.
- This novel repairing gel can be a safe, affordable, noninvasive, and effective therapy for chronic wounds.

❖ Project: "Treatment of second degree burn wound with PRP-fibrin glue and repairing gel" - Funded by Mashhad University of Medical Sciences Supervisor: Professor Daryoush Hamidi-Alamdari

- New repairing gel offers non-surgical treatment for deep burns.

- Results indicate an average healing time with gel was 24.4 days.
- Pain relief in 10-15 minutes after applying gel was reported.
- No hypertrophic scars or keloids were observed in 3–12-month follow-up.

• **2011-2013 Research Fellow:** Child Growth and Development Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Project: "Evaluation of expression of *SIX1* and *EYA1* genes in gastric cancer" - Funded by Isfahan University of Medical Sciences Supervisors: Dr. Parvaneh Nikpour and Dr. Modjtaba Emadi-Baygi

- Contributed to a team investigating the expression of *SIX1* and *EYA1* genes in tumoral and non-tumoral gastric specimens and analysis of the results.

Publications

2026 Shapouran, Farhang, Pejman Porouhan, Seyed Alireza Javadinia, Mahboubeh NeamatShahi, Vida Fazliani Moghaddam, **Elaheh Emadi**, and Vahideh MoghaddamHosseini. Melatonin supplementation for sleep disturbance in breast cancer survivors: a randomized, double-blind, placebo-controlled trial. Biological Rhythm Research (2026): 1-16. **IF=1, Q2.**

2026 **Elaheh Emadi**, Mohammad-Hadi Saeed-Modaghegh, Alireza Mousavian, Hamid Reza Rahimi, and Daryoush Hamidi-Alamdari. Platelet-Rich Plasma Fibrin Glue Dressing Combined with a Novel Repairing Gel for Healing Recalcitrant Diabetic Foot Ulcers: Findings from an Exploratory Randomized Pilot Trial. Clinical, Cosmetic and Investigational Dermatology (2026): 619005. **IF=2.5, Q2.**

2026 Zahra Taheri, **Elaheh Emadi**, Ali Mohammad Esfandiary Rad, James S. Welsh, Yasaman Mohebbifar, Saeed Jalili Bazel, Alireza Noferesti et al. Prioritizing Chemotherapy in Total Neoadjuvant Therapy Improves pCR Rate in Locally Advanced Rectal Cancer in Countries with Limited Radiotherapy Access: A Randomized Controlled Trial. Journal of Gastrointestinal Cancer 57, no. 1 (2026): 163. **IF=2.2, Q2.**

2026 Elham Alimoradi, **Elaheh Emadi**, Parham Nejati, Fatemeh Molavi, Mohamad Javad Alibakhshi, and Reza Alibakhshi. Novel SLITRK6 Nonsense Mutation in an Iranian Family with Autosomal Recessive Syndromic Hearing Loss. OBM Genetics 10, no. 3 (2026): 1-17. **Q4**

2026 **Elaheh Emadi** and Seyed Alireza Javadinia. Melatonin as a circadian-lifestyle interface in cancer care: biological mechanisms, clinical evidence, and future directions for integrative oncology. International Review of Lifestyle Medicine 1, no. 1 (2026): 25-37.

2026 **Emadi, Elaheh**, Alireza Mousavian, Mohammad-Hadi Saeed Modaghegh, and Daryoush Hamidi Alamdari. Platelet-rich-fibrin repairing gel plus oral methylene blue for hard-to-heal diabetic foot ulcers: a pilot study. Journal of Wound Care 35, no. Sup6b**. IF=2, Q1.**

2026 Nafiseh Sahraei, Mohammad Mazloum-Ardakani, and **Elaheh Emadi**. Exosome Detection Using a Label-Free Paper-Based Immunosensor Incorporating Hemin–Mesoporous Carbon Nanofoam–MWCNT Ternary Nanocomposite. Analytical and Bioanalytical Chemistry Research 13, no. 2 (2026): 223-239. **IF=1.2, Q3.**

2026 **Elaheh Emadi**, Nadia Boroumand, and Daryoush Hamidi Alamdari. The effect of N-acetyl-cysteine on limbal stem cell senescence cultivated on the human amniotic membrane. Beyhagh 31, no. 1 (2026): 61-72.

2025 Asadi, Fatemeh, **Elaheh Emadi**, Reza Chaman, Pejman Porouhan, Mahboobeh Nematshahi, Babak PeyroShabany, Mohammad Salari Zare, and Seyed Alireza Javadinia. Feet cooling as a preventive strategy against chemotherapy-induced peripheral neuropathy in advanced breast cancer patients: a randomized clinical trial. Clinical breast cancer. **IF=2.7, Q2.**

2025 Seyed Hasan Tavoosi, Ali Ahmadabadi, Omid Yazarlou, Hosein Safari, Mahdi Kouhi, Noghondar, **Elaheh Emadi**, Daryoush Hamidi Alamdari, A novel non-invasive treatment in deep-burned patients who do not have consent to surgery, Burns Open, DOI: https://doi.org/10.1016/j.burnso.2024.100392, **Q3**.

2024 Hamid AmirAbadi, **Elaheh Emadi**, Omid Yazarlou, Mohammad Vejdani, Daryoush Hamidi Alamdari, Comparison of Glycerol, RPMI and DMEM for storage of skin grafts, Aristotle Biomedical Journal, DOI: https://doi.org/10.26262/abj.v6i1.9771.

2024 Alireza Rezapanah, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Treatment of recalcitrant esophagocutaneous fistula by platelet-rich-plasma-fibrin glue: A case study, International Journal of Surgery Case Reports, DOI: https://doi.org/10.1016/j.ijscr.2024.109335, **IF=0.6, Q3.**

2024 **Elaheh Emadi**, Daryoush Hamidi Alamdari, Davood Attaran, Soroush Attaran, Application of methylene blue for the prevention and treatment of COVID-19, A narrative review, Iranian Journal of Basic Medical Sciences, DOI: 10.22038/IJBMS.2024.71871.15617, **IF=2.2, Q3.**

2024 **Elaheh Emadi,** Daryoush Hamidi Alamdari, Amirhossein Sahebkar, The Potential of Leucomethylene Blue in Methemoglobinemia Treatment: A New Hope for Patients with G6PD? Current Medicinal Chemistry, DOI: https://doi.org/10.2174/0929867331666230911113159, **IF=3.5, Q2.**

2023 Mahmood Hossinzadeh Maleki, Mohammad Abbasi Tashnizi, Hassan Mottaghi Moghaddam Shahri, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Amirhossein Sahebkar, Persistent pneumothorax treatment following congenital cardiac surgery by platelet–fibrin glue, Updates in Surgery, DOI: https://doi.org/10.1007/s13304-023-01728-9, **IF=2.4, Q1.**

2023 Samaneh Sabouri, Mohsen Foroughipour, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Oxidative Stress in Relapsing-remitting Multiple Sclerosis Patients, Reviews in Clinical Medicine.

2023 Seyed Hasan Tavoosi, Hosein Safari, Amir Kouchaki, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Complete Salvage of Third-degree Burn of Ear by Repairing Gel-PRP-Fibrin Glue, A Case Report, Journal of Burn Care & Research, DOI: https://doi.org/10.1093/jbcr/irad149, **IF=1.5, Q2.**

2023 Abbasi Tashnizi M, **Emadi E**, Hamidi Alamdari D, Autologous platelet-rich plasma fibrin-glue reduces bleeding after coronary artery bypass grafting, a randomized clinical study, HIPPOKRATIA, **IF=0.3, Q4.**

2023 **Elaheh Emadi**, Danial Taherzadeh, Daryoush Hamidi Alamdari, Culture and expansion of stem cells located at the corneoscleral limbus, Medical Journal of Mashhad University of Medical Sciences.

2023 Abass Abdollahi, **Elaheh Emadi**, Daryoush Hamidi-Alamdari, Autologous platelet-rich-plasma injection and platelet-rich fibrin glue interposition for treatment of anal fistula resistant to surgery. Gastroenterology and Hepatology from Bed to Bench (GHFBB), DOI: https://doi.org/10.22037/ghfbb.v16i2.2719). **Q3.**

2023 Hamid Reza Rahimi, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Limb Saving with a Combination of Allogenic Platelets-Rich Plasma, Fibrin Glue, and Collagen Matrix in an Open Fracture of the Tibia: A Case Report. The Archives of Bone and Joint Surgery, DOI: 110.22038/ABJS.2023.69184.3261. **IF=1.2, Q2.**

2023 Fatemeh Izadfar, Saba Belyani, Masomeh Pormohammadi, Simin Alizadeh, Mehrara Hashempor, **Elaheh Emadi**, Zohreh Sadat Sangsefidi, Mohammad Reza Jalilvand, Shima Abdollahi, Omid Toupchian, The effects of grapes and their products on immune system: a review. Immunological Medicine, DOI: 10.1080/25785826.2023.2207896. **IF=4.4, Q2.**

2023 Mehdi Fathi, **Elaheh Emadi**, Daryoush Hamidi Alamdari, Hypnosis reduces oxidative stress in patients before surgery, a randomized clinical trial. Aristotle Biomedical Journal, DOI: https://doi.org/10.26262/abj.v5i1.9331.

2023 Alireza Rezapanah, Amin Dalili, Ali Jangjoo, Mohsen Aliakbarian, Hamed Golmohamadzadeh, Behzad Mavaji Darban, **Elaheh Emadi**, George Koliakosh, Daryoush Hamidi-Alamdari, Treatment of Recalcitrant Gastrocutaneous and Enterocutaneous Fistula using Platelet-Rich Plasma -Fibrin Glue Through the External Orifice. Annals of Surgery and Research.

2022 Nafiseh Sahraei, Mohammad Mazloum-Ardakani, Javad Mohiti, Alireza Moradi, Alireza Khoshroo, **Elaheh Emadi**, Fereshteh Vajhadin, Flexible Paper-Based Immunosensor for the Detection of Specific Cancer-Derived Exosomes, Journal of The Electrochemical Society, DOI: 10.1149/1945-7111/aca836, **IF= 3.9.**

2021 **Elaheh Emadi**, Abdol-Khalegh Bordbar, Hamid Nadri, Ali Shams, Asghar Taheri-Kafrani, Seyed Mehdi Kalantar, Isolation of HLA-G^+ cells using MEM-G/9 antibodyconjugated magnetic nanoparticles for prenatal screening: a reliable, fast and efficient method. RSC Advances, DOI: 10.1039/d1ra05988b, **IF= 3.9, Q1.**

2021 **Elaheh Emadi**, Arezoo Khoradmehr, Ali Shams, Seyed Mehdi Kalantar, Appropriate fixative for MEM-G/9 staining of cultured human HLA-G-positive JEG-3 trophoblast tumor cells. Biotechnic & Histochemistry, DOI: 10.1080/10520295.2021.1916837, **IF: 1.6, Q3.**

2020 **Elaheh Emadi**, Fatemeh Akhoundi, Seyed Mehdi Kalantar, Modjtaba Emadi-Baygi, Predicting the most deleterious missense nsSNPs of the protein isoforms of the human *HLA-G* gene and in silico evaluation of their structural and functional consequences. BMC Genet 21, 94 (2020). DOI: 10.1186/s12863-020-00890-y, **IF: 1.9, Q3.**

2015 Modjtaba Emadi-Baygi, Parvaneh Nikpour, **Elaheh Emadi,** SIX1 overexpression in diffuse-type and grade III gastric tumors: Features that are associated with poor prognosis, Adv Biomed Res. 2015; 4: 139. DOI: 10.4103/2277-9175.161540, **IF=0.7, Q3.**

2014 Shima Rahmati, Modjtaba Emadi-Baygi, Parvaneh Nikpour, **Elaheh Emadi,** Expression profile of ZFX isoform3/variant 5 in gastric cancer tissues and its association with tumor size. Iran J Basic Med Sci. 2014 Oct; 17(10): 767–771. **IF:2.1, Q3.**

2014 Parvaneh Nikpour, Modjtaba Emadi-Baygi, **Elaheh Emadi**, Shima Rahmati, EYA1 expression in gastric carcinoma and its association with clinicopathological characteristics: a pilot study, 2014. Med Oncol 31 (5): 955. DOI:10.1007/s12032-014-0955-y. **IF: 2.8, Q2.**

2014 **Elaheh Emadi**, Parvaneh Nikpour, Modjtaba Emadi-Baygi, Ali Bidmeshkipour, Association of HOTAIR expression in gastric carcinoma with invasion and distant metastasis, Adv Biomed Res. 2014; 3: 135. DOI: 10.4103/2277-9175.133278, **IF=0.7, Q3.**

Papers presented in congress

2025 **Elaheh Emadi,** Alireza Mousavian, Mohammad-Hadi Saeed Modaghegh, Daryoush Hamidi Alamdari, Effect of platelet rich plasma fibrin glue containing repairing gel in combination with oral methylene blue for chronic diabetic foot ulcer treatment: a pilot study. Annual Congress of Iranian Society of Vascular Surgery and Endovascular Therapy. 29-31 October 2025, Mashhad, Iran. (Oral presenter)

2025 Mobina Jafari, Fatemeh Heydarabadi, Sahar Kargar, Seyed Alireza Javadinia, **Elaheh Emadi**, The potential of immunotherapy as a first-line treatment for MSI-H/dMMR colorectal cancer: new hope for these patients. The 12th Research and Technology Congress of Medical Sciences Students of Region 5 and the 2nd Congress of the Student Research and Technology Committee of Shiraz University of Medical Sciences, Shiraz, Fars, Iran, December 9–10, 2025. (Poster code: ID: 554464/1404).

2025 Navid Montazami, Reyhane Mehri, Pooria Babaei, Seyed Alireza Javadinia, **Elaheh Emadi**, Comparative Performance of Circulating miRNAs in CSF and Plasma for Glioma Diagnosis and Monitoring, The 12th Research and Technology Congress of Medical Sciences Students of Region 5 and the 2nd Congress of the Student Research and Technology Committee of Shiraz University of Medical Sciences, Shiraz, Fars, Iran, December 9–10, 2025. (Poster code: ID: 554464/1404).

2025 Mohammad Hossein Keneshlou, Reza Asadi, Parisa Behjati-Khargerdi, Yegane Ghalenavi, Zahra Matloubi, **Elaheh Emadi,** Biochanin A and AP-1: A Promising Axis for Therapeutic Intervention, The 15th Iranian national congress of biochemistry & international congress of biochemistry & molecular biology. 25-28 August 2018, Isfahan, Iran. (Poster code: ID: 411).

2018 Ameneh Khodarahmi, Fatemeh Yaghoubi, Javad Zavar Reza, **Elaheh Emadi,** The effect of Vitamin E on Alzheimer's disease: A systematic review. The 15th Iranian national congress of biochemistry & international congress of biochemistry & molecular biology. 25-28 August 2018, Isfahan, Iran. (Poster code: ID: 411).

2013 P Nikpour, S Rahmati, M Emadi-Baygi, **E Emadi**, Expression profile of *EYA1* gene in gastric cancer tissues. 1st Tabriz International Life Science Conference and 12th Iran Biophysical Chemistry Conference. 22-24 May 2013, (Poster code: 335).

2013 P Nikpour, **E Emadi**, M Emadi-Baygi, S Rahmati, Clinicopathological relevance of the expression of Eyes Absent Homolog 1 gene in gastric carcinoma. 1st Tabriz International Life Science Conference and 12th Iran Biophysical Chemistry Conference. (Poster code: 302).

2012 **Elaheh Emadi**, Parvaneh Nikpour, Modjtaba Emadi-Baygi, Ali Bidmeshkipour, Evaluation of *HOTAIR* gene expression in tumoral and non-tumoral gastric specimens. The 17th National & 5th International Iranian Biology Conference. Kerman, Iran.

Book

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