



Samir Abbaszadeh

Curriculum vitae

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EDUCATION

Pharm.D. Degree

Urmia University of Medical Sciences

2013-2018

Urmia, Iran.

- Thesis Title: Study the effects of memantine on cardiac remodeling and hemodynamic parameters in heart failure in rat

Ph.D. Degree (Pharmacology)

Zanjan University of Medical Sciences

2018-2022

Zanjan, Iran.

- Thesis Title: Fabrication, in vitro, and in vivo Evaluation of a Near Infrared-Responsive Injectable Hydrogel Containing Bismuth Nanoparticles for Immuno-Phototherapy of Breast Cancer

ADDRESS

- Department of Pharmacology & Toxicology, School of Pharmacy, Urmia University of Medical Sciences, Urmia, IRAN

SKILLS

Animal handling: injection, gavage, surgery

Induction of MI and HF model

Induction of Bone defect

Induction of cancer model

Induction of myocardial model of ischemia/reperfusion

Induction of an animal model of non-alcoholic fatty liver-disease

Inflammation studies

ELISA

Analytical skills

Synthesis of photoactive nanoparticles

Preparation of physically cross-linked hydrogels

PUBLICATIONS

- Abbaszadeh S**, Nosrati V, Musaie K, Rezaei S, Qahremani M, Xiao B, Santos HA, Shahbazi MA. Emerging Strategies to Bypass Transplant Rejection via Biomaterial-Assisted Immunoengineering: Insights from Islets and Beyond. *Adv. Drug Deliv. Rev.* 2023,200.
- Abbaszadeh S**, Eskandari, MR Nosrati V, Musaie K, Mehrabi S, Tang R, Jafari MR, Xiao B, Sarmadi V, Haghi F, Chen BZ, Guo XD, Santos HA, Shahbazi MA. A photoactive injectable antibacterial hydrogel to support chemo-immunotherapeutic effect of antigenic cell membrane and sorafenib by near-infrared light mediated tumor ablation. *Mater. Today Bio.* 2023,19.
- Sedighi M, Mahmoudi Z, Ghasempour A, Shakibaie M, Ghasemi F, Akbari M, **Abbaszadeh S**, Mostafavi E, Santos HA, Shahbazi MA. Nanostructured multifunctional stimuli-responsive glycopolymer-based copolymers for biomedical applications. *J Control Release.* 2023,354.
- Sadrhaghghi G, **Abbaszadeh S**, Babataheri S, Garjani A, Soraya H. Effects of pre-treatment with metoprolol and diltiazem on cerebral ischemia/reperfusion-induced injuries. *Braz. J. Pharm. Sci.* 2023,58.
- Sedighi M, Mahmoudi Z, **Abbaszadeh S**, Eskandari MR, Saeinasab M, Sefat F. Nanomedicines for hepatocellular carcinoma therapy: Challenges and clinical applications. *Mater. Today Commun.* 2023,34.
- Mi B, Xiong Y, Zha K, Cao F, Zhou W, **Abbaszadeh S**, Ouyang L, Liao Y, Hu W, Dai G, Zhao Z, Feng Q, Shahbazi MA, Liu G. Immune homeostasis modulation by hydrogel-guided delivery systems: a tool for accelerated bone regeneration. *Biomater. Sci.* 2023.
- Musaie K, **Abbaszadeh S**, Nosrati V, Qahremani M, Wang S, Eskandari MR, Niknezhad V, Haghi F, Li Y, Xiao B, Shahbazi MA. Metal-coordination synthesis of a natural injectable photoactive hydrogel with antibacterial and blood-aggregating functions for cancer thermotherapy and mild-heating wound repair. *Biomater. Sci.* 2023,11.

Physicochemical characterization of nanoparticles

UV-visible spectroscopy

Morphological characterization of nanoparticles and hydrogels

Porosity study of hydrogels

In Vitro characterization of hydrogels

In Vivo photothermal evaluation

Rheological assessments

Viscosity and injectability tests

Evaluation of antibacterial effects of the hydrogels

Hemocompatibility assay

In Vitro and in vivo blood clotting assay

In Vivo toxicity study

In Vivo wound healing and cancer thermotherapy evaluations

8. Ayadi S, **Abbaszadeh S**, Derafshpour L, Saboory E, Karimipour M, Soraya H. Protective Effects of Memantine, an NMDA Receptor Antagonist, Against Cerebral Ischemia/Reperfusion Induced Injuries in Rats with Transient Congenital Hypothyroidism. Iran. J. Pharm. Sci.2022.
9. Shafiei-Irannejad V, **Abbaszadeh S**, Janssen PML, Soraya H. Memantine and its benefits for cancer, cardiovascular and neurological disorders. Eur. J. Pharmacol. 2021, 910.
10. Eskandari MR, Eftekhari P, **Abbaszadeh S**, Noubarani M, Shafaghi B, Pourahmad J. Inhibition of Different Pain Pathways Attenuates Oxidative Stress in Glial Cells: A Mechanistic View on Neuroprotective Effects of Different Types of Analgesics. Iranian Journal of Pharmaceutical Research, 2021, 2021 (20).
11. Khademvatan K, Gerami F, **Abbaszadeh S**, Soraya H. Evaluation Of Factors Affecting The Efficacy Of Nitroglycerin Infusion In Patients With Hypertensive crisis. Iranian Journal of Pharmaceutical Sciences. 2021 (17).
12. Jannesar K, **Abbaszadeh S**, Malekinejad H, Soraya H. Cardioprotective effects of memantine in myocardial ischemia: Ex vivo and in vivo studies. Eur. J. Pharmacol. 2020, 882.
13. Amani H, Shahbazi M-A, D'Amico C, Fontana F, **Abbaszadeh S**, Santos HA. Microneedles for painless transdermal immunotherapeutic applications. Journal of Controlled Release. 2021, 330:185-217.
14. Javidmehr A, **Abbaszadeh S**, Kian M, Hamedyazdan S, Soraya H. Hydroalcoholic extract of Arum orientale ameliorates myocardial infarction induced by isoproterenol in rats. J. Res. Pharm. 2021, 25(1):80-88.
15. **Abbaszadeh S**, Garjani A, Nazemiyeh H, Ayadi S, Mohajer MM, Soraya H. Hydroalcoholic Extract from Rhizomes of Cynodon dactylon Improve Hemodynamic and Electrocardiogram Parameters in Myocardial Infarction in Rats. Pharm. Sci. 2019, 25(3).
16. **Abbaszadeh S**, Javidmehr A, Askari B, Janssen PML, Soraya H, Memantine, an NMDA receptor antagonist, attenuates cardiac remodeling, lipid peroxidation and neutrophil recruitment in heart failure: A cardioprotective agent?. Biomed Pharmacother.2018, 108:1237-1243.
17. Shojaei Zarghani S, **Abbaszadeh S**, Alizadeh M, Rameshrad M, Garjani A, Soraya H. The Effect of Metformin Combined with Calcium-Vitamin D3 Against Diet-Induced Nonalcoholic Fatty Liver Disease. Adv Pharm Bull. 2018 Mar;8(1):97-105.

BOOK CHAPTER

LANGUAGES

Persian

Native or Bilingual Proficiency

Turkish

Native or Bilingual Proficiency

English

Professional Working Proficiency

- Mohammadnejad H, **Abbaszadeh S**, Sefat F, and Shahbazi MA. Dermal Wound Healing, in Electrically Conducting Polymers and Their Composites for Tissue Engineering. ACS Publications. 2023.

INTERESTS

Cardiovascular Pharmacology

Cancer Pharmacology

Fatty Liver

Targeted Therapy

Nanomedicine

MANUSCRIPTS UNDER PREPARATION OR SUBMISSION

1. Diatom-guide bone healing via a hybrid natural scaffold (Mohammadi M, **Abbaszadeh S**, Nosrati V, Akbari M, Rezaei S, Musaie K, Eskandari MR, Santos HA, Poursina N, Shahbazi MA*; Expected Publication Date: 2023)
2. A microneedle with combined rapid and long term macrophage polarizing effects to treat psoriasis autoimmune disease (Zhao ZQ, Feng YH, Liang L, Jing LY, **Abbaszadeh S**, Wang J, Shahbazi MA, Chen BZ, Guo XD; Expected Publication Date: 2023)
3. NIR responsive injectable hydrogel crosslinked by homobifunctional PEG for photo-hyperthermia of melanoma, antibacterial wound healing, and preventing post operative adhesion (Nosrati V, **Abbaszadeh S**, Musaie K, Eskandari MR, Shahbazi MA; Expected Publication Date: 2023)
4. Photo derived MXenes@cancer Cell-Membrane Based Hydrogel for Ablation of Breast Cancer (Akbari M, Musaie K, **Abbaszadeh S**, Nosrati V, Eskandari MR, Shahbazi MA*; Expected Publication Date: 2024)
5. Chemically Epoxide-Mediated Fabrication of Photoactive Gelatin-Alginate Hydrogel Loaded with Allantoin for Wound Repair (Qahremani M, Musaie K, Haghghi H, **Abbaszadeh S**, Nosrati V, Ebadi S, Eskandari MR, Shahbazi MA*; Expected Publication Date: 2024)
6. Multi-staged Melanoma Therapy and Wound Repair by Tragacanth-Hyaluronic Acid NIR-Responsive Self-Healable Hemostatic Hydrogel (**Abbaszadeh S**, Ebadi S, Qahremani M, Musaie K, Nosrati V, Eskandari MR, Shahbazi MA*; Expected Publication Date: 2024)
7. Preparation and Evaluation of Anti-Bacterial Mucilage and Hyaluronic acid Hydrogel with Near-Infrared to Heat Conversion Capability for Wound Healing Acceleration (Jafari F, Musaie K, Nosrati V, **Abbaszadeh S**, Eskandari MR, Motlagh B, Shahbazi MA*; Expected Publication Date: 2024)
8. Fabrication of a Dissolvable Photothermal Polymeric Microneedle Containing Bismuth Nanoparticles for Cancer Therapy (Akbari M, Malek-Khatabi A, Toolabi M, Poormansoori Z, **Abbaszadeh S**, Nosrati V, Eskandari MR, Shahbazi MA*; Expected Publication Date: 2024)
9. Photothermally Active pH-Responsive Polydopamine@ MnO₂ Nano-platform Encapsulated into Platelet Cell Membrane for Multifunctional Cancer Ablation (Mohammad nejad H, Ahmadian Z, **Abbaszadeh S**, bochani S, Akbari M, Eskandari MR, Maleki A, Santos HA, Shahbazi MA*; Expected Publication Date: 2024)
10. Bioinspired Highly Strong, Porous and Photoactive Cellulosic Scaffold for Bone Regeneration (Rezaei S, **Abbaszadeh S**, Shahbazi MA*; Expected Publication Date: 2024)

POSTER & ORAL PRESENTATIONS

1. **Samin Abbaszadeh**, Vahideh Nosrati, Kiyan Musaie, Mohammad Reza Eskandari, Hélder A. Santos, Mohammad-Ali Shahbazi. A Photoactive Antibacterial Hydrogel Incorporated with Bi2S3 Nanoparticles, Cancer Cell Membrane, and Sorafenib for Localized Photo-chemo-immunotherapy of Cancer. 4th International Nanomedicine and Nanosafety Conference. Shiraz, Iran, 2023. (Abstract + Poster presentation)
2. Vahideh Nosrati, **Samin Abbaszadeh**, Kiyan Musaie, Mohammad-Reza Eskandari Hélder A. Santos, Mohammad-Ali Shahbazi. Injectable Photothermally Activate Antibacterial Hydrogel Incorporated with CuO Nanosheets for Sequential Melanoma Therapy and Accelerated Wound Healing. 4th International Nanomedicine and Nanosafety Conference. Shiraz, Iran, 2023. (Abstract + Poster presentation)
3. Kiyan Musaie, **Samin Abbaszadeh**, Vahideh Nosrati, Mohammad Reza Eskandari, Hélder A. Santos, Mohammad-Ali Shahbazi. A NIR-responsive Metal-Coordinated Antibacterial Hydrogel for Treatment of Cancer and Promoting Wound Healing. 4th International Nanomedicine and Nanosafety Conference. Shiraz, Iran, 2023. (Abstract + Poster presentation)
4. Saman Rezaei, **Samin Abbaszadeh**, Mohammad-Ali Shahbazi. Bioinspired Biodegradable, Porous and Photoactive Cellulosic Scaffold with Antibacterial Properties for Bone Regeneration. 4th International Nanomedicine and Nanosafety Conference. Shiraz, Iran, 2023. (Abstract + Poster presentation)
5. **Samin Abbaszadeh**, Vahideh Nosrati, Kiyan Musaie, Mohammad Reza Eskandari, Hélder A. Santos, Mohammad-Ali Shahbazi. A multifunctional injectable antibacterial hydrogel for photo/chemo/immuno combination therapy of breast cancer. 6th International Congress of Pharmacy-Updates. Tehran, Iran, 2023. (Abstract + Oral presentation)
6. Mohammad-Ali Shahbazi, Vahideh Nosrati Siahmazgi, **Samin Abbaszadeh**, Kiyan Musaie, Mohammad Reza Eskandari, Hélder Almeida Santos. Near-infrared light-responsive injectable hydrogel containing bismuth nanoparticles for cancer photo-chemo-immunotherapy. CRS 2022 Annual Meeting - Controlled Release Society. Montreal. Canada. 2022. (Abstract + Oral presentation)
7. Mohammad-Ali Shahbazi, **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Kiyan Musaie, Mohammad Reza Eskandari, Hélder Almeida Santos. Injectable photoactive hemostatic farni gum-alginate hydrogel developed via metal coordination chemistry for combined therapy. CRS 2022 Annual Meeting - Controlled Release Society. Montreal. Canada. 2022. (Abstract + Poster presentation)
8. Saman Rezaei , **Samin Abbaszadeh**, Mohammad-Ali Shahbazi. Near-infrared light-responsive injectable hydrogel containing bismuth nanoparticles for cancer photo-chemo-immunotherapy. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)
9. Vahideh Nosrati , **Samin Abbaszadeh**, Kiyan Musaie, Mohammad-Reza Eskandari, Hélder Almeida Santos, Mohammad-Ali Shahbazi. Injectable Photothermally Active Hydrogel Incorporated with CuO Nanosheets for Simultaneous Skin-Tumor Therapy, and MultidrugResistant Infection-Induced Wound Healing. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)
10. Mahsa Akbari, Atefeh Malek-Khatabi, Maryam Toolabi, Zeinab Poormansoori, **Samin Abbaszadeh**, Vahideh Nosrati, Mohammad-Reza Eskandari, Mohammad-Ali Shahbazi. Fabrication of a dissolvable photothermal polymeric microneedle containing bismuth nanoparticles for cancer therapy. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)
11. **Samin Abbaszadeh**, Vahideh Nosrati , Kiyan Musaie, Mohammad-Reza Eskandari, Hélder Almeida Santos, Mohammad-Ali Shahbazi. A Multifunctional Photoactive Hydrogel Containing Bismuth Sulfide Nanoparticles for Synergic Photo-Chemo-Immunotherapy of Cancer. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)
12. Kiyan Musaie, **Samin Abbaszadeh**, Vahideh Nosrati , Mohammad-Reza Eskandari, Hélder Almeida Santos, Mohammad-Ali Shahbazi. A Hemostatic Injectable Photothermally-Active Hydrogel Prepared via Metal-Coordinated Crosslink for Wound Healing and Cancer Therapy. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)
13. Huriya mohammad nejad, Zeinab Ahmadian, **Samin Abbaszadeh**, Shayesteh bochani, Mahsa Akbari, Mohammad-Reza Eskandari, Aziz Maleki, Hélder Almeida Santos, Mohammad-Ali Shahbazi. Photothermally Active pH-Responsive Polydopamine@ MnO2 Nano-platform Encapsulated into Platelet Cell Membrane for Multifunctional Cancer Ablation. 8th Iranian Controlled Release Conference (ICRC 2022) and 3rd Middle East Controlled Release Conference (MECRC 2022), Tehran, Iran. (Abstract + Oral presentation)

14. **Samin Abbaszadeh**, Vahideh Nosrati, Mohammad-Reza Eskandari, Hélder A. Santos, Mohammad-Ali Shahbazi. Near-infrared light-responsive injectable hydrogel containing bismuth nanoparticles for cancer photo-chemo-immunotherapy. 13th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology. Rotterdam, The Netherlands. 2022. (Abstract + Oral presentation)
15. Mohammad-Ali Shahbazi, Kiyam Musaie, **Samin Abbaszadeh**, Vahideh Nosrat, Mohammad-Reza Eskandari, Hélder A. Santos. Injectable photoactive hemostatic farsi gum-alginate hydrogel developed via metal coordination chemistry for combined therapy. 13th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology. Rotterdam, The Netherlands. 2022. (Abstract + Poster presentation)
16. Vahideh Nosrati, **Samin Abbaszadeh**, Kiyam Musaie, Mohammad-Reza Eskandari, Hélder A. Santos, Mohammad-Ali Shahbazi. Injectable photothermal antibacterial hydrogel incorporated with CuO nanosheets for skin-tumor therapy and multidrug resistant infection-induced wound healing. 13th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology. Rotterdam, The Netherlands. 2022. (Abstract + Poster presentation)
17. **Samin Abbaszadeh**, Saman Rezaei, Mohammad-Ali Shahbazi. A Photoactive Cellulosic Scaffold Loaded with Gelatin-Hyaluronic Acid Hydrogel for Bone Regeneration. 5th International Congress of pharmacy updates, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2022. (Abstract + Oral presentation)
18. Kiyam Musaie, **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammad-Reza Eskandari, Aziz Maleki and Mohammad-Ali Shahbazi. Biomedical Applications of injectable Photoactive Hemostatic Farsi Gum-Alginate Hydrogel Designed via Metal-Coordinated Crosslink. 5th International Congress of pharmacy updates, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2022. (Abstract + Poster presentation)
19. **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammad Reza Eskandari, Aziz Maleki, and Mohammad-Ali Shahbazi. A photothermally active injectable hydrogel containing bismuth nanoparticles for enhanced tumor-targeting and photo-chemo-immunotherapy. 23rd Iranian Pharmacy Students Seminar (IPSS23) School of Pharmacy, Mashhad, Iran, 2021. (Abstract + Oral presentation)
20. Kiyam Musaie, **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammad-Reza Eskandari, Aziz Maleki and Mohammad-Ali Shahbazi. Multifunction Hydrogel for Acceleration of Wound Healing based on Controlled Temperature Photothermal Therapy. 23rd Iranian Pharmacy Students Seminar (IPSS23) School of Pharmacy, Mashhad, Iran, 2021. (Abstract + Poster presentation)
21. Vahideh Nosrati Siahmazgi, **Samin Abbaszadeh**, Mohammadreza. Eskandari, Mohammad-Ali Shahbazi. Injectable Photothermal Hydrogel with Antibacterial Activity for Wound Healing Acceleration. 23rd Iranian Pharmacy Students Seminar (IPSS23) School of Pharmacy, Mashhad, Iran, 2021. (Abstract + Poster presentation)
22. **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammadreza Eskandari, Mohammad-Ali Shahbazi. A photoactive injectable hydrogel for combination therapy of breast cancer: in vitro and in vivo studies. 4th International and 25th Iranian Congress of Physiology and Pharmacology. (Abstract + Oral presentation)
23. **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammadreza Eskandari, Aziz Maleki, Hélder A. Santos, Mohammad-Ali Shahbazi. An injectable hydrogel for localized photothermal ablation and chemo-immunotherapy of cancer. 48th Controlled Release Society Annual Meeting & Exposition. 2021, Online Virtual Meeting. (Abstract + Oral presentation)
24. **Samin Abbaszadeh**, Vahideh Nosrati Siahmazgi, Mohammadreza. Eskandari, Aziz Maleki, Mohammad-Ali Shahbazi. A photothermally active injectable hydrogel containing bismuth nanoparticles for multimodal cancer therapy. 8th International E-congress on Nanosciences and Nanotechnology, 2021, Mashhad, Iran. (Abstract + Oral presentation)
25. Vahideh Nosrati Siahmazgi, **Samin Abbaszadeh**, Mohammadreza. Eskandari, Mohammad-Ali Shahbazi. Preparation of Photothermally Active Hydrogel of Poly Methyl Vinyl Ether-co-Maleic Acid Gelatin for Wound Healing Acceleration. 8th International E-congress on Nanosciences and Nanotechnology, 2021, Mashhad, Iran. (Abstract + Poster presentation)
26. Huriya Mohammadnejad, Vahideh Nosrati Siahmazgi, **Samin Abbaszadeh**, Zeinab Ahmadian, Shayesteh Bochani, Mahsa Akbari, Mohammadreza Eskandari, Aziz Maleki, Hélder A. Santos, Mohammad-Ali Shahbazi. 8th International E-congress on Nanosciences and Nanotechnology, 2021, Mashhad, Iran. (Abstract + Poster presentation)
27. **Samin Abbaszadeh**, Asal Javidmehr, Behnam Askari, Hamid Soraya. Memantine, an NMDA receptor antagonist, attenuates cardiac remodeling, lipid peroxidation and neutrophil recruitment in heart failure. 24th Iranian congress of physiology and pharmacology, 2019, Tehran, Iran. (Abstract + Poster presentation)
28. Asal Javidmehr, **Samin Abbaszadeh**, Hamid Soraya. Study the effects of hydroalcoholic extract of *Arum orientale* on hemodynamics and neutrophil's activity in isoproterenol-induced myocardial infarction in rats. 24th Iranian congress of physiology and pharmacology, 2019, Tehran, Iran. (Abstract + Poster presentation)
29. **Samin abbaszadeh**, Hamid Soraya. The protective effects of memantine on myocardial ischemia/reperfusion injury in isolated rat heart. 22nd Iranian Pharmacy Students Seminar, 2019, Zanján, Iran. (Abstract + Oral presentation)

30. Monireh seiiedy, Chiman Salehi, **Samin Abbaszadeh**, Asal Javidmehr, Morteza Ghaseemnejad, Hamid Soraya. Cardioprotective effects of Ganoderma Lucidum on isopretrenol-induced heart failure in rats. 22nd Iranian Pharmacy Students Seminar, 2019, Zanjan, Iran. (Abstract + Poster presentation)
31. Asal Javidmehr, **Samin Abbaszadeh**, Hamid Soraya. Hydroalcoholic extract of Arum orientale attenuates myocardial neutrophil recruitment and necrosis after myocardial infarction in rat. 26th International Student Congress Of (bio)Medical Sciences. 2019, University Medical Center Groningen. (Abstract + Poster presentation)
32. **Samin Abbaszadeh**, Sara shojaei, Asal Javidmehr, Majid Mohajer Milani, Hamid Soraya. Do the combination of Metformin, Calcium and Vitamin D prevent hepatic steatosis? 21st Iranian Pharmacy Students Seminar. 2018, Ahvaz, Iran. (Abstract + Poster presentation)
33. Asal Javidmehr, Sepideh Ayadi, **Samin Abbaszadeh**, Alireza Garjani, Hamid Soraya. Protective effects of hydroalcoholic extract from rhizomes of Cynodon dactylon on myocardial infarction in rats. 21st Iranian Pharmacy Students Seminar, 2018, Ahvaz, Iran. (Abstract + Poster presentation)
34. Hamid Soraya, **Samin Abbaszadeh**, Asal Javidmehr. The effects of memantine on heart failure: Is memantine cardioprotective? 23th Iranian congress of physiology and pharmacology, 2018, Chabahaar, Iran. (Abstract + Poster presentation)
35. **Samin Abbaszadeh**, Asal Javidmehr, Hamid Soraya. Memantine attenuates myocardial remodeling and lipid peroxidation: a cardioprotective agent? 15th Iranian Pharmaceutical Sciences Congress, 2017, Hamadan, Iran. (Abstract + Poster presentation)
36. Hamid Soraya, Sepideh Ahadi, **Samin Abbaszadeh**, Alireza Garjani. Short-term treatment with metformin improves cardiac function following the myocardial infarction in rats. 22th Iranian Congress of Physiology and Pharmacology; 2015, Kashan, Iran. (Abstract + Poster presentation)
37. Hamid Soraya, Sepideh Ahadi, Farhad Mahmoodifar, **Samin Abbaszadeh**. Metformin attenuates myocardial remodeling and neutrophil recruitment after myocardial infarction in rats. 22th Iranian Congress of Physiology and Pharmacology; 2015, Kashan, Iran. (Abstract + Poster presentation)
38. **Samin Abbaszadeh**, Sara Shojaei, Sepideh Ahadi, Asal Javidmehr, Hamid Soraya. The effect of Metformin, Calcium and Vitamin D combination on hepatic steatosis in male rats. 14th Iranian Pharmaceutical Sciences Congress, 2015, Tehran, Iran. (Abstract + Poster presentation)

CERTIFICATES

- The 6th Training Course on Principle and Application of Fourier Transform Infrared Spectrometer (FTIR) and Near Infrared Spectrometer (NIR), Conducted by Shiraz University Central Laboratory, May 2022.
- The 4th Training Course on the Principles and Application of HPLC & FPLC, Conducted by Shiraz University Central Laboratory, May 2022.
- Workshop of Translational Application of Biomaterials, Organized by Wiley, November 2021.
- Processes of registration and issuance of licenses for pharmaceutical products, including active pharmaceutical ingredients and final products in Iran, Held by Pharmaceutical Incubators, January 2021.
- Ethics in research on laboratory animals, Held by Urmia University of Medical Sciences, January 2021.
- Workshop of Endnote, Held by Zanjan University of Medical Sciences, December 2019.
- Workshop of Proposal Writing, Held by Urmia University of Medical Sciences, October, 2016.
- Workshop of Article Writing, Held by Urmia University of Medical Sciences, November 2015.
- Workshop of Primer Design Guide for PCR, Held by Urmia University of Medical Sciences, June 2015

HONORS AND AWARDS

- Top researcher in the Zanjan province, Iran, in the field of medicine
- Top researcher of the Zanjan University of Medical Sciences in 2021.
- First place in the PhD's career, Zanjan University of Medical Sciences.
- Best Oral Presentation Award: 6th International Congress of pharmacy updates, 2022, Tehran, Iran.
- Best Poster Award (Co-author): 5th International Congress of pharmacy updates, 2022, Tehran, Iran.
- Best Oral Presentation Award: 23rd Iranian Pharmacy Students Seminar, 2021, Mashhad, Iran.
- Best Oral Presentation Award: 22nd Iranian Pharmacy Students Seminar, 2019, Zanjan, Iran.
- Best Poster Award: 21st Iranian Pharmacy Students Seminar, 2018, Ahvaz, Iran.

WORK EXPERIENCE

Teaching Experience:

- 2019 – 2021:
Pharmacy technician instructor at Academic Center for Education, Culture and Research.
- 2019 – 2020:
Teaching course in pharmacology to students of Dentistry and Anesthesiology, Zanjan University of Medical Sciences.
- 2019 – 2020:
Teaching of practical pharmacology to pharmacy students, Zanjan University of Medical Sciences.

Administration Experience:

- April (16-19), 2019:
Executive committee member of "22nd Iranian Pharmacy Students Seminar, Zanjan, Iran
- April (16-19), 2019:
Scientific committee member of "22nd Iranian Pharmacy Students Seminar, Zanjan, Iran

Refereeing Experience:

- 22nd Iranian Pharmacy Students Seminar, 2019, Zanjan, Iran.

MEMBERSHIPS

- Iranian Association of Pharmacists (Since 2018)
- Iranian Society of Physiology and Pharmacology (Since 2018)
- Controlled Release Society Membership (2021-2022)

ENGLISH LANGUAGE SKILLS

- MHLE, 2018
- MSRT, 2018

DIGITAL SKILLS

- Applied Software: Adobe Illustrator, OriginLab, ImageJ, ChemDraw, Mendeley, EndNote, Microsoft Word, Microsoft PowerPoint, Microsoft Excel