

Curriculum Vitae

Ebrahim Abbasi (former Abbasi Oshaghi), Ph.D
Hamadan University of Medical Sciences,
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Education

2014-2025 Associate Prof., Hamadan University of Medical Sciences, Hamadan, Iran
2023-2024 Postdoctoral Fellowship, University of Quebec, INRS, Laval, Canada
2015 -2023 Associate Prof., Hamadan University of Medical Sciences, Hamadan, Iran
2011-2015 Ph.D. in Clinical Biochemistry, Hamadan University of Medical Sciences, Hamadan, Iran
2007-2010 M.Sc. in Clinical Biochemistry, Kerman University of Medical Sciences, Iran
2003-2005 B.Sc. in Medical Laboratory Science, Kerman University of Medical Sciences, Iran
2000-2002 Associate's degree in Medical Laboratory Science, Azad University of Borujerd, Iran

Field of research

Diabetes, nutrition, lipid metabolism, pharmaceutical sciences
<https://scholar.google.com/citations?user=2NdTPxwAAAAJ&hl=en>
<https://www.scopus.com/authid/detail.uri?authorId=56764733700>

Awards and Honors

2013: Best researcher award, Hamadan University of Medical Sciences, Hamadan, Iran
2014: Best Ph.D. student award among all students (more than 7000 students) of Hamadan University of Medical Sciences, Hamadan, Iran
2015: Graduated with honors (first-ranked), Hamadan University of Medical Sciences, Hamadan, Iran
2015: Best researcher, selected in 4th Iranian Congress of trace element
2018: Special grant for researchers, Hamadan University of Medical Sciences, Hamadan, Iran
2018: Top young researcher, Iran
2020: Top researcher, Hamadan, Iran

Teaching Experience

-7 years teaching and research experience in medical university

Teaching of Medical biochemistry, hormone and toxicology for laboratory science student, Broujerd Azad University, Iran

Teaching of specific Medical biochemistry courses in different fields of medical sciences, postgraduate (M.Sc., Ph.D.) students, since 2015: Hamadan University of Medical Sciences, Iran.

Teaching of Medical biochemistry and Hormone courses for MBBS and international student: since 2019

Thesis supervisor and advisor of MSc.

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Laboratory Experience

Manager and supervisor of Hamadan laboratory of health center, since 2017

About 6 years of work in clinical laboratory

Supervisor of research laboratory of biochemistry, Hamadan University of Medical Sciences, Hamadan, Iran, since 2015

Publications

Selected publications:

- **Ebrahim Abbasi Oshaghi**, Fatemeh Mirzaei, Amir Mirzaei, Effects of ZnO Nanoparticles on Intestinal Function and Structure in Normal/High Fat Diet-Fed Rats and Caco-2 Cells, *Nanomedicine*, (2018), 13(21), 2791-2816. DOI: 10.2217/nmm-2018-0202, (IF: 6.096). (First author and Corresponding author).
- **Ebrahim Abbasi Oshaghi**, MT Goodarzi, V Higgins, K Adeli, Role of resveratrol in the management of insulin resistance and related conditions: mechanism of action. *Critical reviews in clinical laboratory sciences*, (2017) 54(4), 267-293, (IF: 10). (First author).
- **Ebrahim Abbasi Oshaghi**, Fatemeh Mirzaei, Mona Pourjafar, NLRP3 inflammasome, oxidative stress, and apoptosis induced in the intestine and liver of rats treated with titanium dioxide nanoparticles: in vivo and in vitro study. *International Journal of Nanomedicine*, (2019), (14) 1919-1936, (IF: 7.033), (First author and Corresponding author).
- **Ebrahim Abbasi Oshaghi**, Mirzaei F, Farahani F, Khodadadi I, Tyebinia H., Diagnosis and treatment of coronavirus disease 2019 (COVID-19): Laboratory, PCR, and chest CT imaging findings. *International Journal of Surgery* (2020), (79) 143-153, (IF: 15), (First author and Corresponding author).

Publication

Published 69 papers:

- ✓ 36 papers: Corresponding author
- ✓ 25 papers: First author

1. **Abbasi-Oshaghi E**, Mirzaei F, Mirzaei A. Effects of ZnO nanoparticles on intestinal function and structure in normal/high fat diet-fed rats and Caco-2 cells. *Nanomedicine*. 2018; 13(21):2791-816. (**First and corresponding author**)
2. **Abbasi-Oshaghi E**, Mirzaei F, Pourjafar M. NLRP3 inflammasome, oxidative stress, and apoptosis induced in the intestine and liver of rats treated with titanium dioxide nanoparticles: in vivo and in vitro study. *International Journal of Nanomedicine*. 2019; 14:1919-36. (**First**

and corresponding author)

3. Mashayekhi S, Khodadadi I, Mirzaei F, Tayebinia H, Komaki A, **Abbasi Oshaghi E**. Memory and Learning Improvement by Resveratrol and Probiotics via the Gut-Brain Axis and Antioxidant Activity in Diabetic Rats. *Avicenna Journal of Neuro Psycho Physiology* 2021;8(2):102-108. **(Corresponding author)**
4. **Abbasi Oshaghi E**, Goodarzi MT, Higgins V, Adeli K. Role of resveratrol in the management of insulin resistance and related conditions: Mechanism of action. *Critical reviews in clinical laboratory sciences* 2017;54(4):267-293. **(First author)**
5. Goodarzi MT, Khodadadi I, Tavilani H, **Abbasi Oshaghi E**. The role of *Anethum graveolens* L.(Dill) in the management of diabetes. *Journal of tropical medicine* 2016;2016. **(Corresponding author)**
6. **Abbasi Oshaghi E**, Khodadadi I, Tavilani H, Goodarzi MT. Aqueous extract of *Anethum Graveolens* L. has potential antioxidant and antiglycation effects. *Iranian Journal of Medical Sciences* 2016;41(4):328. **(First author)**
7. **Abbasi Oshaghi E**, Tavilani H, Khodadadi I, Goodarzi MT. Dill tablet: a potential antioxidant and anti-diabetic medicine. *Asian Pacific Journal of Tropical Biomedicine* 2015;5(9):720-727. **(First author)**
8. **Abbasi Oshaghi E**, Khodadadi I, Tavilani H, Goodarzi MT. Effect of dill tablet (*Anethum graveolens* L) on antioxidant status and biochemical factors on carbon tetrachloride-induced liver damage on rat. *International Journal of Applied and Basic Medical Research* 2016;6(2):111. **(First author)**
9. Javad H, Seyed-Mostafa H-z, Farhad O, Mehdi M, **Abbasi Oshaghi E**, Nader RG, Ramin GS, Behrooz H. Hepatoprotective effects of hydroalcoholic extract of *Allium hirtifolium* (Persian shallot) in diabetic rats. *Journal of basic and clinical physiology and pharmacology* 2012;23(2):83-87.
10. **Abbasi-Oshaghi E**, Khodadadi I, Mirzaei F, Ahmadi M, Tayebinia H, Goodarzi MT. *Anethum graveolens* L. alleviates sperm damage by limiting oxidative stress and insulin resistance in diabetic rats. *The Open Medicinal Chemistry Journal* 2020;14(1). **(First author)**
11. Goodarzi MT, Tootoonchi AS, Karimi J, **Abbasi Oshaghi E**. Anti-diabetic effects of aqueous extracts of three Iranian medicinal plants in type 2 diabetic rats induced by high fructose diet. *Avicenna Journal of Medical Biochemistry* 2013;1(1):7-13. **(First author)**
12. Kassaee SM, Goodarzi MT, **Abbasi Oshaghi E**. Renoprotective Effects of *Trigonella foenum* and Cinnamon on Type 2 Diabetic Rats. *Avicenna Journal of Medical Biochemistry* 2017;5(1):17-21.

13. Kassae SM, Taghi Goodarzi M, **Abbasi Oshaghi E**. Antioxidant, antiglycation and anti-hyperlipidemic effects of Trigonella foenum and Cinnamon in type 2 diabetic rats. Jundishapur Journal of Natural Pharmaceutical Products 2018;13(1).
14. Mirzaei F, Khodadadi I, Majdoub N, Vafaei SA, Tayebinia H, **Abbasi-Oshaghi E**. Role of glucagon-like peptide-1 (GLP-1) agonists in the management of diabetic patients with or without COVID-19. The Open Medicinal Chemistry Journal 2021;15(1). **(Corresponding author)**
15. Pegah A, **Abbasi-Oshaghi E**, Khodadadi I, Mirzaei F, Tayebinia H. Probiotic and resveratrol normalize GLP-1 levels and oxidative stress in the intestine of diabetic rats. Metabolism Open 2021;10:100093. **(Corresponding author)**
16. **Abbasi E**, Mirzaei F, Tavilani H, Khodadadi I. Diabetes and COVID-19: Mechanism of pneumonia, treatment strategy and vaccine. Metabolism Open 2021;11:100122. **(First author)**
17. Pegah A, Khodadadi I, Mirzaei F, Tayebinia H, **Abbasi E**. Simultaneous effect probiotics and resveratrol on insulin resistance and glucagon-like peptide (glp-1) level in diabetic rats. Journal of Babol University of Medical Sciences 2021:1-8. **(Corresponding author)**
18. **Abbasi Oshaghi E**, Khodadadi I, Mirzaei F, Khazaei M, Tavilani H, Goodarzi MT. Methanolic extract of dill leaves inhibits AGEs formation and shows potential hepatoprotective effects in CCl4 Induced liver toxicity in rat. Journal of pharmaceutics 2017, DOI: 10.1155/2017/6081374. **(First author)**
19. Mohammadi A, **Abbasi Oshaghi E**. Effect of garlic on lipid profile and expression of LXR alpha in intestine and liver of hypercholesterolemic mice. Journal of Diabetes & Metabolic Disorders 2014;13(1):1-6. **(Corresponding author)**
20. **Abbasi Oshaghi E**, Khodadadi I, Saidijam M, Yadegarazari R, Shabab N, Tavilani H, Goodarzi MT. Lipid lowering effects of hydroalcoholic extract of Anethum graveolens L. and dill tablet in high cholesterol fed hamsters. Cholesterol 2015, DOI: 10.1155/2015/958560. **(First author)**
21. Mohammadi A, Bazrafshani MR, **Abbasi Oshaghi E**. Effect of garlic extract on some serum biochemical parameters and expression of NPC1L1, ABCA1, ABCG5 AND ABCG8 genes in the intestine of hypercholesterolemic mice. Indian J Biochem Biophys 2013; 50(6):500-4. **(Corresponding author)**
22. Mohammadi A, Mirzaei F, Moradi MN, Jamshidi M, Yari R, Ghiasvand T, Rezaii A, **Abbasi Oshaghi E**. Effect of flaxseed on serum lipid profile and expression of NPC1L1, ABCG5 and ABCG8 genes in the intestine of diabetic rat. British Journal of Medicine & Medical Research 2014;4(18):3571-3580. **(Corresponding author)**
23. Abbas M, **Abbasi Oshaghi E**, Arash Noori S, Farhad O, Roghaye Hosseini K, Ali R. Effect of opium on lipid profile and expression of liver X receptor alpha (LXR α) in normolipidemic mouse. Food and Nutrition Sciences 2012; 3: 249-254. **(Corresponding author)**

24. Shahryari J, Poormorteza M, Noori-Sorkhani A, Divsalar K, **Abbasi-Oshaghi E**. The effect of concomitant ethanol and opium consumption on lipid profiles and atherosclerosis in golden Syrian Hamster's aorta. *Addiction & health* 2013;5(3-4):83. **(Corresponding author)**
25. Mohammadi A, Vafaei SA, Moradi MN, Ahmadi M, Pourjafar M, **Abbasi Oshaghi E**. Combination of ezetimibe and garlic reduces serum lipids and intestinal niemann-pick C1-like 1 expression more effectively in hypercholesterolemic mice. *Avicenna Journal of Medical Biochemistry* 2015;3(1):1-23205. **(Corresponding author)**
26. **Abbasi Oshaghi E**, Arash Noori S, Ali R. Effects of walnut on lipid profile as well as the expression of sterol-regulatory element binding protein-1c (SREBP-1c) and peroxisome proliferator activated receptors α (PPAR α) in diabetic rat. *Food and Nutrition Sciences* 2012; 3: 255-259. **(Corresponding and first author)**.
27. **Abbasi Oshaghi E**, Khodadadi I, Tavilani H, Mirzaei F, Goodarzi MT. Dill-normalized liver lipid accumulation, oxidative stress, and low-density lipoprotein receptor levels in high cholesterol fed hamsters. *ARYA atherosclerosis* 2018;14(5):218. **(First author)**
28. Babalhavaeji S, Saidijam M, Khodadadi I, **Abbasia Oshaghi E**, Tavilani H. The effect of kiwifruit on liver NADPH oxidase gene expression and activity in high-fat diet fed hamsters. *Mediterranean Journal of Nutrition and Metabolism* 2019; 12: 235-246.
29. Mohammadali S, Heshami N, Komaki A, Tayebinia H, **Abbasi Oshaghi E**, Karimi J, Hashemnia M, Khodadadi I. Dill tablet and *Ocimum basilicum* aqueous extract: Promising therapeutic agents for improving cognitive deficit in hypercholesterolemic rats. *Journal of Food Biochemistry* 2020;44(12):e13485.
30. Mohammadi A, Mohammadi N, Najafi N, Hasanpoor K, Taheri RA, **Abbasi Oshaghi E**. Influence of flaxseed on some biochemical factors, antioxidant activity and expression of ABCG5 and ABCG8 genes in the liver of diabetic rat. *Journal of Advances in Medicine and Medical Research* 2014:3571-3580. **(Corresponding author)**
31. Mohammadi A, Norouzian P, Jamshidi M, Najafi N, **Abbasi Oshaghi E**. Effect of garlic (*Allium sativum*) on lipid profiles, antioxidant activity and expression of scavenger receptor class B type I (SR-BI) in liver and intestine of hypercholesterolemic mice. *Journal: Journal of Advances in Chemistry* 2013;5(3). **(Corresponding author)**
32. **Abbasi Oshaghi E**. Glucagon like peptide-1 (GLP-1) a novel therapeutic strategy in non-alcoholic fatty liver disease (NAFLD). *Avicenna Journal of Medical Biochemistry* 2017;5(2):54-59. **(First and Corresponding author)**
33. **Abbasi E**, Goodarzi MT, Tayebinia H, Saidijam M, Khodadadi I. Favorable effects of *Anethum graveolens* on liver oxidative stress and cholesterol 7 α -hydroxylase levels in non-alcoholic fatty liver disease (NAFLD) rat models. *Metabolism Open* 2021;12:100140. **(First author)**.

34. Arsang M, Khodadadi I, Tyebinia H, **Abbasi-Oshaghi E**. The Protective Effects of Virgin Coconut Oil on High-Fat Diet Induced Rat Liver. *Journal of Babol University of Medical Sciences* 2020;22(1):245-252. **(Corresponding author)**
35. Asefy Z, Tanomand A, Hoseinnejhada S, Ceferov Z, **Abbasi-Oshaghi E**, Rashidi M. Unsaturated fatty acids as a co-therapeutic agents in cancer treatment. *Molecular Biology Reports* 2021:1-8.
36. Heshami N, Mohammadali S, Komaki A, Tayebinia H, Karimi J, **Abbasi Oshaghi E**, Hashemnia M, Khodadadi I. Favorable effects of dill tablets and *Ocimum basilicum* L. extract on learning, memory, and hippocampal fatty acid composition in hypercholesterolemic rats. *Iranian Journal of Basic Medical Sciences* 2021;24(3):300.
37. **Abbasi E**, Vafaei SA, Naseri N, Darini A, Azandaryani MT, Ara FK, Mirzaei F. Protective effects of cerium oxide nanoparticles in non-alcoholic fatty liver disease (NAFLD) and carbon tetrachloride-induced liver damage in rats: Study on intestine and liver. *Metabol Open* 2021;12:100151. **(First author)**
38. Mohammadi A, Mirzaei F, Jamshidi M, Yari R, Pak S, Sorkhani AN, Norouzian P, Abdolkarimi V, **Abbasi Oshaghi E**. The in vivo biochemical and oxidative changes by ethanol and opium consumption in Syrian hamsters. *International Journal of Biology* 2013;5(4):14. **(Corresponding author)**
39. Ravan AP, Bahmani M, Basir HRG, Salehi I, **Abbasi Oshaghi E**. Hepatoprotective effects of *Vaccinium arctostaphylos* against CCl₄-induced acute liver injury in rats. *Journal of basic and clinical physiology and pharmacology* 2017;28(5):463-471. **(Corresponding author)**
40. Mohammadi A, Mirzaei F, Jamshidi M, Yari R, Pak S, Norouzian P, Abdolkarimi V, **Abbasi Oshaghi E**. Influence of flaxseed on lipid profiles and expression of LXR [alpha], in intestine of diabetic rat. *International Journal of Biology* 2013;5(4):23. **(Corresponding author)**
41. **Abbasi-Oshaghi E**, Pourjafar M, Mirzajani SS, Mohseni R, Mousavi M, Rafieemehr H, Mirzaei F. Antioxidant properties of resveratrol on acetaminophen induced toxicity in wistar rat liver and HepG2 cells. *Avicenna Journal of Medical Biochemistry* 2017;5(2):81-86. **(First author)**
42. Rezaei N, Zaherijamil Z, Moradkhani S, Saidijam M, **Abbasi Oshaghi E**, Tavilani H. Kiwifruit Supplementation Increases the Activity of the Paraoxonase Enzyme and decreases Oxidized Low-Density Lipoprotein in High-Fat Diet Fed Hamsters. *Avicenna Journal of Medical Biochemistry* 2020;8(2):58-63.
43. Salehi I, Zarrinkalam E, Mirzaei F, **Abbasi Oshaghi E**, Ranjbar K, Asl SS. Effects of

resistance, endurance, and concurrent exercise on oxidative stress markers and the histological changes of intestine after morphine withdrawal in rats. *Avicenna Journal of Medical Biochemistry* 2018;6(2):44-49. **(Corresponding author)**

44. Mirzaei F, Salehi I, **Abbasi Oshaghi E**, Zarrinkalam E, Ranjbar K, Asl SS. Protective effect of exercise on liver oxidative stress and inflammation in rats after morphine withdrawal. *Journal of Mazandaran University of Medical Science*.2022, 32(207): 26-37. **(Corresponding author)**

45. **Abbasi-Oshaghi E**, Mirzaei F, Farahani F, Khodadadi I, Tayebinia H. Diagnosis and treatment of coronavirus disease 2019 (COVID-19): Laboratory, PCR, and chest CT imaging findings. *International Journal of Surgery* 2020;79:143-153. **(Corresponding and first author)**

46. Mirzaei F, Khodadadi I, Vafaii A, **Abbasi-Oshaghi E**, Tayebinia H, Farahani F. Importance of hyperglycemia in COVID-19 intensive-care patients: Mechanism and treatment strategy. *Primary Care Diabetes* 2021;15(3), 409-416. **(Corresponding author)**

47. Farahani F, Mirzaei F, Khodadadi I, **Abbasi-Oshaghi E**. Importance of hyperglycemia in preoperative, intraoperative and postoperative periods in COVID-19 patients. *International journal of surgery (London, England)* 2020;83:1. **(Corresponding author)**

48. Tavilani A, **Abbasi E**, Ara FK, Darini A, Asefy Z. COVID-19 vaccines: Current evidence and considerations. *Metabolism open* 2021;12:100124. **(Corresponding author)**

49. **Abbasi-Oshaghi E**, Mirzaei F, Khodadadi I. Letter from Iran: Experiences with COVID-19. *Respirology* 2020;25(11):1214-1215. **(First author)**

50. Mirzaei F, Tavilani A, **Abbasi-Oshaghi E**. Letter to the editor regarding article: Impact of COVID-19 outbreak on lifestyle behaviour: A review of studies published in India (Rawat et al.). *Diabetes & Metabolic Syndrome* 2021;15(3):1053-1054. **(Corresponding author)**

51. Mirzaei F, Tavilani A, Asefy Z, **Abbasi E**. Prolactin and susceptibility to COVID-19 infection. *Medical hypotheses* 2021. 155:110662. **(Corresponding author)**

52. Mirzaei F, Vafaei SA, **Abbasi-oshaghi E**. Regarding the Article: Coronavirus Disease (COVID-19): Current Status and Prospects for Drug and Vaccine Development. *Archives of Medical Research* 2021; 52(1), 15-24. **(Corresponding author)**

53. **Abbasi-Oshaghi E**, Mirzaei F, Khodadadi I. Alcohol misuse may increase the severity of COVID-19 infections. *Disaster Medicine and Public Health Preparedness* 2020:1-2.

54. **Abbasi-Oshaghi E**, Khodadadi I. Opium Addiction and Susceptibility to COVID-19 infection. *ALcohol and drug abuse* 2021;10:1-2. **(First author)**

55. **Abbasi-Oshaghi E**, Mirzaei F, Khodadadi I. Letter to the Editor regarding 'COVID-19 and diabetes: What does the clinician need to know?'. *Prim Care Diabetes* 2021;15(1):30. **(First author)**

author)

56. **Abbasi-Oshaghi E**. Role of Toll-like Receptor 4 in the Development of Non-alcoholic Fatty Liver Disease. *Avicenna Journal of Medical Biochemistry*. 2018; 6(2):24-25. **(Corresponding and first author)**

57. Sahar Mazloomi, Marzieh Sanoei Farimani, Heidar Tayebinia, Jamshid Karimi, Iraj Amiri, **Ebrahim Abbasi**, Iraj Khodadadi. Reduced mitochondrial translocator protein and voltage-dependent anion channel-1 in granulosa cells is associated with the lower estradiol levels and presence of immature follicles in polycystic ovary syndrome. *J Reprod Infertil* 2022 Jul-Sep;23(3):148-159

58. Zaherijamil Z, Rezaei N, Hashemnia M, Moradkhani S, Saidijam M, Khodadadi I, **Abbasi Oshaghi E**, Tavilani H. Kiwifruit effect on adipose tissue cell size and cholesteryl ester transfer protein gene expression in high-fat diet fed Golden Syrian hamsters. *Avicenna J Phytomed* 2019;9(5):482-490.

59. Mohammadi A, Farnoosh G, Hosseini Kia R, Oubari F, Hassanpour K, Moradi-Sardareh H, Mohammadi N, **Abbasi Oshaghi E**, Yari R. The in vivo biochemical and oxidative change by garlic and ezetimibe combination in hypercholesterolemic mice. *International Research Journal of Biological Sciences* 2014; 3; 47-51.30.

60. **Abbasi E**, Pishbin F, Shahsavar N, Shahabi R, Ghafari M, et al. Evaluation of Glucagon-Like Peptide 1 (GLP-1) Levels and Oxidative Stress in Preterm Infants. *Journal of Babol University of Medical Sciences* 2022; 24:18-24. **(Corresponding and first author)**

61. Rafieemehr H, Rafiee M, Mahmoodi M, **Abbasi Oshaghi E**. Survey of Correlation Between Serum Transferrin Saturation and Platelet Indices in High School Female Students in the Northwest Iran. *International Journal of School Health (IJSH)* 2017; 4: 1-5.

62. Safabakhsh D, Jazaeri M, Abdolsamadi H, **Abassi E**, Farhadian M. Comparison of salivary interleukin-6, interleukin-8, C - reactive protein levels and total antioxidants capacity of obese individuals with normal-weight ones. *Rom J Intern Med* 2022;60(4):215-221.

63. Mazloomi S, Farimani MS, Tavilani H, Karimi J, Amiri I, **Abbasi E**, Khodadadi I. Granulosa cells from immature follicles exhibit restricted glycolysis and reduced energy production: a dominant problem in polycystic ovary syndrome. 2023. *J Assist Reprod Genet*. 2023 doi: 10.1007/s10815-022-02676-w. (Online ahead of print).

64. Shahsavar NT, **Abbasi E**, Pishbin F, Taghizadeh M, Shahabi R, Heidari SS. Association between Serum Omentin-1 Level with Insulin Resistance, Hematological Factors and Fetal Week Length in Preterm Infants. *Scientific Journal of Kurdistan University of Medical Sciences* 2022: Accepted. **(Corresponding author)**

65. **Abbasi E**, Mirzaei F, Ghaleiha A, Pourjafar M, Ahmadi M, Mirzajani SS. Effects of cerium oxide nanoparticle on liver oxidative stress and morphological changes in opium withdrawal rats. *Toxicology Reports*. 2025;14:102025. . **(Corresponding and first author)**
66. Hasani M, **Abbasi-Oshaghi E**, Khomari F, Kiani B, Mirzaei F, Alipourfard I, et al. Enhanced Insulin Secretion Through Upregulation of Transcription Factors by Hydroalcoholic Extract of *Securigera securidaca* Seeds in Diabetic Animal Model. *Endocrinol Diabetes Metab*. 2024;7(5):e515.
67. Ebrahimi E, Khodadadi I, Shafiee G, **Abbasi E**. Effects of opium on cholesterol metabolism in rats fed normal and high-fat/high-cholesterol diet. *Toxicol Rep*. 2025;14:102014. **(Corresponding author)**
68. **Abbasi E**, Mirzaei F, Mashayekhi S, Khodadadi I, Komaki A, Faraji N, et al. Effects of opium on hippocampal-dependent memory, antioxidant enzyme levels, oxidative stress markers, and histopathological changes of rat hippocampus. *Biochem Biophys Rep*. 2025;42:101993. . **(Corresponding and first author)**

Conference Publications

1. Ahmad Gholamhosseinian, **Ebrahim Abbasi**. Medicinal plants for diabetes in Iran. *Biochemical Aspects of Herbal Medicine*. J. Iran. Chem. Soc., Vol. 6, Suppl., November 2009, pp. S115-S143. P-10-697-3.
2. Abbas Mohammadi, **Ebrahim Abbasi**. Effect of garlic/ezetimibe combination on lipid profile and atherosclerosis risk factors in hypercholesterolemic mice. *J. Iran. Chem. Soc.*, Vol. 6, Suppl., November 2009, pp. S20-S72. P-10-697-1.
3. A. Gholamhosseinian, M. Moradi, F. Sharifi-far, **E. Abbasi Oshaghi**. Identification of anticholinesterase compound from *Berberis integrima*, *Rheum ribes* and *Levisticum officinale*. *Research in Pharmaceutical Sciences*, 2012;7(5).
4. **E. Abbasi oshaghi**, N. Zynolebadi , A. Mohammadi , M. Moradi , A. Tootoonchi, H.Ghasemi, S. Hosseini-zijoud, F. Oubari, R. Hosseini kia, H. Ghasemi. Oral opium reduced lipid profiles with change in expression of liver x receptor alpha (LXR α). *Research in Pharmaceutical Sciences*, 2012;7(5).
5. **E. Abbasi Oshaghi**, N. Zynolebadi, M. Moradi, A. Tootoonchi, A. Rezaei. Effect of flaxseed on biochemical markers. *Research in Pharmaceutical Sciences*, 2012;7(5).

6. H. Ghasemi Hosseini, S. Hosseini Zijoud , **E. Abbasi Oshaghi** , M. Moradi. The effect of Persian shallot (*Allium hirtifolium* Boiss.) extract on glucokinase (GCK) activity and genes expression in diabetic rats. *Research in Pharmaceutical Sciences*, 2012;7(5).
7. **E. Abbasi Oshaghi** A. Mohammadi, N. Zynolebadi, M. Nabi Moradi, H. Ghasemi, A. Totonchi. New insight in ezetimibe/garlic combination in hypercholesterolemic mice. *Research in Pharmaceutical Sciences*, 2012;7(5).
8. N. Zynolebadi, **E. Abbasi Oshaghi**, A. Tootoonchi, M. Nabi Moradi, A. Noori Sorkhani, A. Rezaei, M. Goodarzi Effects of walnut on lipid profile and expression of SREBP-1c and PPAR α in diabetic rat. *Research in Pharmaceutical Sciences*, 2012;7(5).
9. E. Heydarian, A. Rezaei, **E. Abbasi Oshaghi**, N. Zynolebadi, M. Moradi. Influence of trientine and flaxseed oil combination on the lipid profiles, antioxidant capacity, malon dialdehyde levels and regeneration of cardiovascular injury in diabetic. *Research in Pharmaceutical Sciences*, 2012;7(5).
10. **Ebrahim Abbasi Oshagh** , Mohammad jamshidi, Saideh Salimi, Anoosh Naghavi, Hemen Moradi Sardareh, Younes Moradi, Mohammad Nabi Moradi, Mohammad Moradi, Ali Rezaii. Relationship of Preeclampsia with Angiotensin-Converting Enzyme Intron 16 Insertion/Deletion and Angiotensin II Type 1 Receptor A1166C Gene Polymorphisms in South East of Iran. *Laboratory & Diagnosis Vol.3, No14*,
11. Abbas Mohammadi, **Ebrahim Abbasi Oshaghi**, Arash Noori Sorkhani, Jahanbanoo Shahryari. Effect of inhalant and oral opium consumption on hepatic histology of normocholesterolemic and hypercholesterolemic golden Syrian hamster. 16th National and 4th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran 14-16 September 2010.
12. Mohamadi A, **Ebrahim Abbasi Oshaghi**. Effect of garlic/ezetimibe combination on lipid profile and atherosclerosis risk factors in hypercholesterolemic mice. 10th Iranian Congress of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November 2009, S43.
13. Gholamhosseinian A, **Ebrahim Abbasi Oshaghi**. Medicinal plants for diabetes in Iran. 10th Iranian Congress of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November 2009, S139
14. Mohamadi A, Nouri A, **Ebrahim Abbasi Oshaghi**. Determination of effect of inhalatory and oral opium consumption on hepatic histology of hypercholesterolemic golden Syrian hamster. 4th International Congress of Biology. 14-16 September 2010, Mashhad, Iran
15. **Ebrahim Abbasi Oshaghi**, Khdadadi I, Tavilani H, Goodarzi MT. antidiabetic properties of dill. International Conference on Biotechnology, Food Science, and Pharmaceutical Research, 3-5 August 2016, University of Kuala Lumpur Business School, Kuala Lumpur, Malaysia.
- 16- **Ebrahim Abbasi Oshaghi**, Iraj Khodadadi, Fatemeh Mirzaei, Heidar Tavilani, Mohamad Taghi Goodarzi Anethum Graveolens and Dill Tablet Normalized Lipid Profile Via Ldl-R And Hmg-Coa Reductase Genes Expression In High Cholesterol Fed Animals. Proceedings of 79th The IRES International Conference, Toronto, Canada, 28th -29th August 2017.

Research grants, as proposal contributor

Participate in 46 experiments as a supervisor, advisor or co-worker, including;

1. The effect of Nano zinc on rat memory and learning and its relationship with hippocampal histopathological changes and antioxidant parameters in normal rats
2. The effect of probiotic supplements and resveratrol on antioxidant activity of hippocampal tissue and memory and learning function in rats with type 2 diabetes
3. Evaluation of the protective effects of olanzapine on memory impairment and learning using behavioral techniques in Alzheimer's rats
4. Evaluation of the effects of Nano zinc and Nano -titanium on the antioxidant pathway (expression of glutathione peroxidase, catalase, superoxide dismutase genes), inflammatory pathway and
5. Evaluation the antioxidant effect of Curcumin niosome on carbon tetrachloride-induced liver damage in rats
6. Evaluation the antioxidant effect of Curcumin niosome on the hippocampus of the Alzheimer model rats
7. Protective effects of methanolic extract of *Vaccinium arctostaphylos* in rats with CCl₄-induced acute liver injury
8. Evaluation of the effects of Anethum tablets on sperm parameters, pituitary-gonadal hormonal axis, antioxidant capacity, and testicular tissue changes in type II diabetic rats
9. The effect of Anethum tablets and Hydroalcoholic dill extract on memory and learning in hypercholesterolemic rats
10. The effect of Anethum tablets and Hydroalcoholic extract of dill on sperm profile and antioxidant status of semen in hypercholesterolemic rats
11. Comparison of the effect of Anethum and dill extract on the expression of hepatic cholesterol 7-alpha hydroxylase gene and histological study of liver in hypercholesterolemic and normal hamsters
12. The effect of kiwifruit on paraoxonase gene expression and activity in high-fat diet hamsters
13. Evaluation of the effect of kiwi on gene expression and activity of cholesterol ester transfer protein (CETP) in high-fat-fed hamsters
14. Evaluation of antioxidant effects of Kiwifruit on the liver of hamsters receiving high-fat diet
15. Comparison of the effect of Anethum graveolens on the expression of PPAR, LXR and ABCA1 genes in liver and intestinal tissues of hypercholesterolemic rats
16. Evaluation of completed research projects in Hamadan University of Medical Sciences in the years 2014-2015
17. The effect of three exercise models on antioxidant activity and histological changes in the liver in morphine-addicted mice after withdrawal syndrome
18. Evaluation of the effect of kiwi on gene expression and paraoxonase activity and cholesterol ester transfer protein (CETP) in high-fat-fed hamsters
19. Protective effects of resveratrol and quercetin against acetaminophen-induced liver damage in rats

20. Evaluation of the relationship between serum iron saturation and platelet indices in female high school students in Hamadan city
21. Protective effects of methanolic extract of *Vaccinium macrocarpon* in rats with CCl₄-induced chronic liver injury
22. Evaluation of inflammatory and antioxidant factors in opium addicts and their relationship with insulin resistance: a clinical study, in vitro study and data mining algorithms
23. The effect of aqueous extract of Basil and Anethum tablets on memory and learning and comparison of hippocampal fatty acid composition of rats receiving high cholesterol food
24. Study of antioxidant effects of Anethum tablets and aqueous extract of basil on the oxidative status of hippocampal rats receiving high cholesterol food
25. Evaluation of the effect of kiwifruit on gene expression and hepatic NADPH oxidase activity in high-fat diet hamsters
26. Evaluation of cholesterol metabolism and oxidative stress status in memory and learning of rats receiving high cholesterol food
27. The effect of eight weeks of continuous and intermittent training with zinc sulfate supplementation on oxidative stress indices and interleukins 6, 17 and TNF α in different areas of the brain of addicted mice in withdrawal syndrome
28. The effect of Anethum tablets and aqueous extract of basil on the expression of TNF- α and RIP3 genes and histopathological changes in heart tissue of rats receiving high cholesterol diet
29. Evaluation the relationship between serum omentin-1 level and insulin resistance in preterm infants
30. Evaluation of gut-brain axis changes in Alzheimer's rats, rats receiving high-fat diet: Changes in GLP-1 and its relationship with inflammatory factors, oxidative stress and insulin resistance
31. Evaluation of the relationship between serum levels of glucagon-like peptide-1 (GLP-1) and oxidative stress in premature infants
32. inflammatory factors (Caspase, NLRP3, il-1 β) and histological changes in the intestine and liver of rats
33. Evaluation of inflammatory pathway (NALP3, Caspase 1, IL-1 β) and oxidative stress (genes and proteins of glutathione peroxidase, glutathione reductase and superoxide dismutase) in the brains of opium addicted rats
34. Evaluation of salivary cortisol levels in patients with geographical language and its relationship with stress
35. Evaluation of antioxidant effects of virgin coconut oil on the liver of rats receiving high fat diet
36. The effect of probiotic supplementation and resveratrol on insulin and GLP1 secretion and pancreatic histopathological changes in Streptozotocin and nicotinamide-induced diabetes mellitus
37. Comparative study of total antioxidant capacity of saliva and malondialdehyde in dialysis patients and healthy individuals
38. Study of glycolysis pathway expression enzymes and mitochondrial membrane potential in granulosa cells of women with polycystic ovary syndrome
39. Protective effect of zinc nanoparticles on oxidative stress and inflammation in diabetic and high-fat rats

40. Evaluation of salivary elastase in smokers and non-smokers referred to the School of Dentistry of Hamadan University of Medical Sciences in 2016
41. Determination of serum levels of oxidative factors, lipid profile and PCSK9 protein in preeclampsia
42. Evaluation of the effects of Nano cerium on inflammation and histological changes in rat intestine
43. Comparison of interleukin 6, interleukin 8, C-reactive protein and total salivary antioxidants in obese people with normal weight
44. Evaluation of salivary level of C-reactive protein with high sensitivity in population with different body mass index
45. The effect of hydroalcoholic extract of *Securigera securidaca* seed on hepatic expression of NRF2 and FGF21 genes and the relationship between these genes with insulin levels in diabetic rats
46. Evaluation of oxidant parameters in serum of patients with COVID-19 infection and their relationship with D-dimer and hyperglycemia
47. The effect of opium on the expression of key genes of cholesterol metabolism in the liver and intestines of rats receiving a cholesterol-rich diet
48. Determination of the effect of opium on TNF- α signaling pathway and histopathological changes in the heart tissue of rats receiving a cholesterol-rich diet.
49. The relationship between lactate dehydrogenase and salivary aminotransferases with oral health

Books

1. Mohammad Taghi Goodarzi, Ebrahim Abbasi Oshaghi. Essentials of Practical Biochemistry. 2012. Tehran, Royan pajoh publication.
2. Tahereh Abbasi, Mohammad Taghi Goodarzi, Ebrahim Abbasi Oshaghi. Prevention, control and treatment of high blood pressure, 2013. Tehran, Royan pajoh publication.
3. Ebrahim Abbasi Oshaghi. Prevention, Control and treatment of diabetes. 2010. Broujerd. Broujerd.
4. Iraj Khodadadi, Reza Yari, Ebrahim Abbasi Oshaghi. An overview of apoptosis, 2015. Hamadan, Hamadan University of Medical science publication.
5. Ahmad Gholamhosseinian, Maryam Darabi Amin, Ebrahim Abbasi. Educational guide for diabetic patients. 2008. Noor Danesh Cultural Publishing Institute

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Review about 100 MSc and PhD thesis

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