



**Tabriz University of Medical Sciences (TUOMS)  
School of Medicine**

## **Curriculum Vitae**

### **Personal Data:**

**First name: Amir**

**Last name: Ghorbanihaghjo**

**Nationality: Iran**

**Date of birth: Jul. 31, 1965**

**Place of birth: Iran**

**Marital status: married**



**Department/Research Center: Department of Clinical Biochemistry, Tabriz University of Medical Sciences, Iran**

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**Scopus ID:**

57204366457

**Researcher ID**

L-6463-2017

**Fields of interest Free radicals – Inflammation****inflammation and oxidative stress**

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**Skills: (language, software...) -**

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**Educational Background:**

Date	Degree	Institution	Country
2005	Ph.D	Tbariz University of medical Sciences	Iran
1995	MSC	Tarbiat modarres University	Iran

**Sabbaticals:**

Start and End Date (month/year)	Details
Start:4/2004 End:10/2004	Innsbruck -Austria for 6 months Division of Genetic Epidemiology Department of Medical Genetics, Molecular and Clinical Pharmacology Medical University Innsbruck

## Thesis

Degree	Title
PhD	Effect of Nandrolone Decanoate on serum lipoprotein (a) and its isoforms in hemodialysis patients
MSc	development of immunoassay method to measure estradiol in the clinic

## Educational experience

### Teaching

Date (month/year)	Course Name, Venue (Institution, Address)

### Workshop(s)

Date (month/year)	Course Name, Venue (Institution, Address)
Protein purification	Genetic Research Center .Protein purification course

### Lecture(s)

Date (month/year)	Details

## Research Activities:

### Research areas, Interests

#### inflammation and oxidative stress

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#### Books:

N	Title	authors	Publisher	Authorship/ Translation/ ....
1	Protein Biochemistry	Ghorbanihaghjo Rashtchizadeh Khonakdar	Tabriz University of medical sciences	Authorship

#### Selected articles:

- 1-Association between serum levels of survivin and systemic lupus erythematosus.  
Ebrahimi S, Rashtchizadeh N, Ghorbanihaghjo A, Malek Mahdavi A, Hajjalilo M, Khabbazi A. Int J Clin Pract. 2020 Sep 15:e13706. doi: 10.1111/ijcp.13706. Online ahead of print.PMID
- 2- Effects of melatonin supplementation on serum oxidative stress markers and disease activity in systemic lupus erythematosus patients: A randomised, double-blind, placebo-controlled trial.  
Nabatian-Asl M, Ghorbanihaghjo A, Malek Mahdavi A, Khabbazi A, Hajjalilo M, Ghojazadeh M. Int J Clin Pract. 2021 Jul;75(7):e14246. doi: 10.1111/ijcp.14246. Epub 2021 May 7.PMID: 33877728 Clinical Trial.
- 3- Serum vitamin D levels in patients with vernal keratoconjunctivitis and its relationship with disease severity. Sorkhabi R, Ahoor MH, Ghorbanihaghjo A, Jafari S. Eur J Ophthalmol. 2020 Dec 14:1120672120978886. doi: 10.1177/1120672120978886. Online ahead of print.PMID: 33307795
- 4- Zinc and Selenium in Inflammatory Bowel Disease: Trace Elements with Key Roles?  
Vaghari-Tabari M, Jafari-Gharabaghloou D, Sadeghsoltani F, Hassanpour P, Qujeq D, Rashtchizadeh N, Ghorbanihaghjo A. Biol Trace Elem Res. 2021 Sep;199(9):3190-3204. doi: 10.1007/s12011-020-02444-w. Epub 2020 Oct 23.PMID: 33098076 Review.
- 5- Effect of *Nigella sativa* oil extracts on inflammatory and oxidative stress markers in Behcet's disease: A randomized, double-blind, placebo-controlled clinical trial. Amizadeh S, Rashtchizadeh N, Khabbazi A, Ghorbanihaghjo A, Ebrahimi AA, Vatankhah AM, Malek Mahdavi A, Taghizadeh M. Avicenna J Phytomed. 2020 Mar-Apr;10(2):181-189.PMID: 32257890
- 6-Serum Levels of CXCL10 and Vitamin D in Patients with Lupus Nephritis.  
Abediazar S, Jafari-Nakhjavani M, Ghorbanihaghjo A, Shekarchi M, Zununi Vahed S. Iran J Kidney Dis. 2019 Nov;13(6):389-397.PMID: 31880585
- 7- The impact of dyslipidemia and oxidative stress on vasoactive mediators in patients with renal dysfunction.

Jabarpour M, Rashtchizadeh N, Argani H, Ghorbanihaghjo A, Ranjbarzadhag M, Sanajou D, Panah F, Alirezaei A. *Int Urol Nephrol*. 2019 Dec;51(12):2235-2242. doi: 10.1007/s11255-019-02319-7. Epub 2019 Oct 22. PMID: 31641998 Review

8-Chitosan and Quercetin: Potential Hand in Hand Encountering Tumors in Oral Delivery System. Rashedi J, Ghorbanihaghjo A, Asgharzadeh M, Baradaran B. *Curr Pharm Des*. 2019;25(28):3074-3086. doi: 10.2174/1381612825666190829144508. PMID: 31465272 Review.

9- The effect of oral melatonin on renal ischemia-reperfusion injury in transplant patients: A double-blind, randomized controlled trial. Panah F, Ghorbanihaghjo A, Argani H, Haiaty S, Rashtchizadeh N, Hosseini L, Dastmalchi S, Rezaeian R, Alirezaei A, Jabarpour M, Nazari Soltan Ahmad S, Sanajou D. *Transpl Immunol*. 2019 Dec;57:101241. doi: 10.1016/j.trim.2019.101241. Epub 2019 Aug 22. PMID: 31446153 Clinical Trial.

10- Quercetin mitigates anxiety-like behavior and normalizes hypothalamus-pituitary-adrenal axis function in a mouse model of mild traumatic brain injury. Kosari-Nasab M, Shokouhi G, Ghorbanihaghjo A, Mesgari-Abbasi M, Salari AA. *Behav Pharmacol*. 2019 Apr;30(2 and 3-Spec Issue):282-289. doi: 10.1097/FBP.0000000000000480. PMID: 30882424

11- Serum YKL-40 levels and disease characteristics in patients with rheumatoid arthritis. Jafari-Nakhjavani MR, Ghorbanihaghjo A, Bagherzadeh-Nobari B, Malek-Mahdavi A, Rashtchizadeh N. *Caspian J Intern Med*. 2019 Winter;10(1):92-97. doi: 10.22088/cjim.10.1.92. PMID: 30858947

12-Paraoxonase enzyme activity is enhanced by zinc supplementation in hemodialysis patients. Rahimi-Ardabili B, Argani H, Ghorbanihaghjo A, Rashtchizadeh N, Naghavi-Behzad M, Ghorashi S, Nezami N. *Ren Fail*. 2012;34(9):1123-8. doi: 10.3109/0886022X.2012.717479. Epub 2012 Sep 6. PMID: 22950600 Clinical Trial.

13- Tangeretin protects renal tubular epithelial cells against experimental cisplatin toxicity. Nazari Soltan Ahmad S, Rashtchizadeh N, Argani H, Roshangar L, Ghorbanihaghjo A, Sanajou D, Panah F, Ashrafi Jigheh Z, Dastmalchi S, Kalantary-Charvadeh A. *Iran J Basic Med Sci*. 2019 Feb;22(2):179-186. doi: 10.22038/ijbms.2018.32010.7691. PMID: 30834084

14-AMPK: A promising molecular target for combating cisplatin toxicities. Rashtchizadeh N, Argani H, Ghorbanihaghjo A, Sanajou D, Hosseini V, Dastmalchi S, Nazari Soltan Ahmad S. *Biochem Pharmacol*. 2019 May;163:94-100. doi: 10.1016/j.bcp.2019.02.006. Epub 2019 Feb 7. PMID: 30738797 Review.

15-Relationship between serum-soluble receptor for advanced glycation end products (sRAGE) and disease activity in rheumatoid arthritis patients. Jafari Nakhjavani MR, Jafarpour M, Ghorbanihaghjo A, Abedi Azar S, Malek Mahdavi A. *Mod Rheumatol*. 2019 Nov;29(6):943-948. doi: 10.1080/14397595.2018.1551107. Epub 2019 Jan 3. PMID: 30474471

16-Effect of Sevelamer on Serum Levels of Klotho and Soluble Tumor Necrosis Factor-like Weak Inducer of Apoptosis in Rats With Adenine-induced Chronic Kidney Disease. Golmohamadi Z, Argani H, Ghorbanihaghjo A, Rashtchizadeh N, Bargahi N, Mesgari M, Sanajou D. *Iran J Kidney Dis*. 2018 Oct;12(5):281-287. PMID: 30367019

17-Hesperidin attenuates depression-related symptoms in mice with mild traumatic brain injury. Kosari-Nasab M, Shokouhi G, Ghorbanihaghjo A, Abbasi MM, Salari AA. *Life Sci*. 2018 Nov 15;213:198-205. doi: 10.1016/j.lfs.2018.10.040. Epub 2018 Oct 21. PMID: 30352242

18-Linkage of Fibroblast Growth Factor 23 and Phosphate in Serum: Phosphate and Fibroblast Growth Factor 23 Reduction by Increasing Dose of Sevelamer. Ghorbanihaghjo A, Argani H, Golmohamadi Z,

Rashtchizadeh N, Abbasi MM, Bargahi N, Vatankhah AM, Sanajou D. *J Bone Metab.* 2018 Aug;25(3):153-159. doi: 10.11005/jbm.2018.25.3.153. Epub 2018 Aug 31. PMID: 30237994

19-Relationship between serum vascular cell adhesion molecule-1 and endothelin-1 levels with organ involvement and disease activity in systemic lupus erythematosus patients.

Hajjalilo M, Tayari P, Ghorbanihaghjo A, Khabbazi A, Malek Mahdavi A, Rashtchizadeh N. *Lupus.* 2018 Oct;27(12):1918-1925. doi: 10.1177/0961203318796285. Epub 2018 Aug 29. PMID: 30157717

20-Long-term follow-up of 76 Iranian patients with idiopathic inflammatory myopathies.

Hajjalilo M, Ghorbanihaghjo A, Khabbazi A, Kolahi S, Jafari Nakhjavani MR, Ebrahimi AA, Zareh H, Malek Mahdavi A. *Int J Rheum Dis.* 2018 Aug;21(8):1627-1633. doi: 10.1111/1756-185X.13352. PMID: 30146744

21-Soluble Tumor Necrosis Factor Like Weak Inducer of Apoptosis and Vitamin D in Hemodialysis Patients: Relation to Carotid Intima-Media Thickness. Askarian F, Ghorbanihaghjo A, Argani H, Sanajou D, Nasehi N, Askarian R, Ahmadi R, Rahtchizadeh N. *Indian J Clin Biochem.* 2018 Jul;33(3):297-303. doi: 10.1007/s12291-017-0675-0. Epub 2017 Jul 22. PMID: 30072829

22-Oxidative stress-induced renal telomere shortening as a mechanism of cyclosporine-induced nephrotoxicity. Raeisi S, Ghorbanihaghjo A, Argani H, Dastmalchi S, Seifi M, Ghasemi B, Ghazizadeh T, Abbasi MM, Karimi P. *J Biochem Mol Toxicol.* 2018 Aug;32(8):e22166. doi: 10.1002/jbt.22166. Epub 2018 Jul 5. PMID: 29975447

23-Ischemic acute kidney injury and klotho in renal transplantation. Panah F, Ghorbanihaghjo A, Argani H, Asadi Zarmehri M, Nazari Soltan Ahmad S. *Clin Biochem.* 2018 May;55:3-8. doi: 10.1016/j.clinbiochem.2018.03.022. Epub 2018 Mar 31. PMID: 29608890 Review.

24-Oxidative stress as a possible mechanism of statin-induced myopathy. Ahmadi Y, Ghorbanihaghjo A, Naghi-Zadeh M, Yagin NL. *Inflammopharmacology.* 2018 Jun;26(3):667-674. doi: 10.1007/s10787-018-0469-x. Epub 2018 Mar 24. PMID: 29574631 Review.

25-Anxiolytic- and antidepressant-like effects of Silymarin compared to diazepam and fluoxetine in a mouse model of mild traumatic brain injury. Kosari-Nasab M, Shokouhi G, Ghorbanihaghjo A, Abbasi MM, Salari AA. *Toxicol Appl Pharmacol.* 2018 Jan 1;338:159-173. doi: 10.1016/j.taap.2017.11.012. Epub 2017 Nov 22. PMID: 29175455

26-Serum sTWEAK and FGF-23 Levels in Hemodialysis and Renal Transplant Patients.

Eskandari Naji H, Ghorbanihaghjo A, Argani H, Raeisi S, Safa J, Alirezaei AH, Rashtchizadeh N. *Int J Organ Transplant Med.* 2017;8(2):110-116. Epub 2017 May 1. PMID: 28828171

27-The effect of statins on the organs: similar or contradictory?

Ahmadi Y, Ghorbanihaghjo A, Argani H. *J Cardiovasc Thorac Res.* 2017;9(2):64-70. doi: 10.15171/jcvtr.2017.11. Epub 2017 Jun 29. PMID: 28740624

28-The balance between induction and inhibition of mevalonate pathway regulates cancer suppression by statins: A review of molecular mechanisms. Ahmadi Y, Ghorbanihaghjo A, Argani H. *Chem Biol Interact.* 2017 Aug 1;273:273-285. doi: 10.1016/j.cbi.2017.06.026. Epub 2017 Jun 28. PMID: 28668359 Review.

29-FGF-23, Klotho and Vitamin D Levels in Scleroderma. Ahmadi R, Hajjalilo M, Ghorbanihaghjo A, Mota A, Raeisi S, Bargahi N, Valilo M, Askarian F. *Iran J Public Health.* 2017 Apr;46(4):530-536. PMID: 28540270

- 30-Effects of High and Low Doses of Folic Acid on the Soluble Receptor Activator of Nuclear Factor-kappa B Ligand/Osteoprotegerin Ratio during Pregnancy.Fathi Maroufi N, Ghorbanihaghjo A, Sayyah Melli M, Vaezi M, Hekmati Azar Mehrabani Z, Bannazadeh Amirkhiz M, Rashtchizadeh N.Iran J Public Health. 2017 Apr;46(4):517-524.PMID: 28540268
- 31-Effects of Angiotensin II Receptor Blockade on Soluble Klotho and Oxidative Stress in Calcineurin Inhibitor Nephrotoxicity in Rats.Raeisi S, Ghorbanihaghjo A, Argani H, Dastmalchi S, Ghasemi B, Ghazizadeh T, Rashtchizadeh N, Nemati M, Mesgari Abbasi M, Bargahi N, Mota A, Vatankhah AM.Iran J Kidney Dis. 2016 Nov;10(6):358-363.PMID: 27903993
- 32-The effects of valsartan on renal glutathione peroxidase expression in alleviation of cyclosporine nephrotoxicity in rats.Raeisi S, Ghorbanihaghjo A, Argani H, Dastmalchi S, Ghasemi B, Ghazizadeh T, Rashtchizadeh N, Mesgari Abbasi M, Bargahi N, Nemati M, Mota A, Vatankhah AM.Bioimpacts. 2016;6(3):119-124. doi: 10.15171/bi.2016.18. Epub 2016 Aug 25.PMID: 27853675
- 33-Klotho and Endothelin-1 in Pseudoexfoliation Syndrome and Glaucoma.Ahoor MH, Ghorbanihaghjo A, Sorkhabi R, Kiavar A.J Glaucoma. 2016 Dec;25(12):919-922. doi: 10.1097/IJG.0000000000000553.PMID: 27755351
- 34-A double-blind randomized comparative study of triamcinolone hexacetonide and dexamethasone intra-articular injection for the treatment of knee joint arthritis in rheumatoid arthritis.Hajjalilo M, Ghorbanihaghjo A, Valaee L, Kolahi S, Rashtchizadeh N, Amirkhiz MB, Malekmahdavi I, Khabbazi A.Clin Rheumatol. 2016 Dec;35(12):2887-2891. doi: 10.1007/s10067-016-3397-4. Epub 2016 Aug 29.PMID: 27572327 Clinical Trial.
- 35-The effect of red grape seed extract on serum paraoxonase activity in patients with mild to moderate hyperlipidemia.Argani H, Ghorbanihaghjo A, Vatankhahan H, Rashtchizadeh N, Raeisi S, Ilghami H.Sao Paulo Med J. 2016 May 13;134(3):234-9. doi: 10.1590/1516-3180.2015.01702312.PMID: 27191247 Free article. Clinical Trial.
- 36-The Effect of High Dose Folic Acid throughout Pregnancy on Homocysteine (Hcy) Concentration and Pre-Eclampsia: A Randomized Clinical Trial.Sayyah-Melli M, Ghorbanihaghjo A, Alizadeh M, Kazemi-Shishvan M, Ghojazadeh M, Bidadi S.PLoS One. 2016 May 11;11(5):e0154400. doi: 10.1371/journal.pone.0154400. eCollection 2016.
- 37-Retracton Note: The effects of valsartan on renal glutathione peroxidase expression in alleviation of cyclosporine nephrotoxicity in rats.Raeisi S, Ghorbanihaghjo A, Argani H, Dastmalchi S, Ghasemi B, Ghazizadeh T, Rashtchizadeh N, Mesgari Abbasi M, Bargahi N, Nemati M, Mota A, Vatankhah AM.Bioimpacts. 2016;6(4):249. doi: 10.15171/bi.2016.31. Epub 2016 Dec 30.PMID: 28265540
- 38-Matrix  $\gamma$ -carboxyglutamate protein and Fetuin-A, in wet type age-related macular degeneration. Javadzadeh A, Ghorbanihaghjo A, Heidari E, Baharivand N, Sadeghi K, Sorkhabi R, Ahoor MH.Int J Ophthalmol. 2015 Jun 18;8(3):556-9. doi: 10.3980/j.issn.2222-3959.2015.03.21. eCollection 2015.PMID: 26086007
- 39-Association between hepcidin, haemoglobin level and iron status in stage 4 chronic kidney disease patients with anaemia.Mogadam RA, Nemati A, Amani F, Ghorbanihaghjo A, Argani H, Bashardoust B.J Pak Med Assoc. 2015 Apr;65(4):354-7.PMID: 25976565
- 40-Growth Arrest-specific 6 Protein and Matrix Gla Protein in Hemodialysis Patients. Hallajzadeh J, Ghorbanihaghjo A, Argani H, Dastmalchi S, Rashtchizadeh N.Iran J Kidney Dis. 2015 May;9(3):249-55.PMID: 25957430
- 41-Effects of folic acid supplementation on serum homocysteine and lipoprotein (a) levels during pregnancy.



- Hekmati Azar Mehrabani Z, Ghorbanihaghjo A, Sayyah Melli M, Hamzeh-Mivehroud M, Fathi Maroufi N, Bargahi N, Bannazadeh Amirkhiz M, Rashtchizadeh N. *Bioimpacts*. 2015;5(4):177-82. doi: 10.15171/bi.2015.26. Epub 2015 Dec 28. PMID: 26929921
- 42-Relationship between vitamin D receptor gene FokI and ApaI polymorphisms and serum levels of fetuin-A, vitamin D, and parathyroid hormone in patients on hemodialysis. Ghorbanihaghjo A, Argani H, Samadi N, Valizadeh S, Halajzadeh J, Yousefi B, Rashtchizadeh N. *Iran J Kidney Dis*. 2014 Sep;8(5):394-400. PMID: 25194407
- 43-Cross-talk between endothelin-1 and mineral metabolism in hemodialysis patients: a cross-sectional study. Halaj Zadeh J, Ghorbanihaghjo A, Rashtchizadeh N, Argani H, Valizadeh S, Halaj N, Vatankhah AM. *Iran Red Crescent Med J*. 2014 Jun;16(6):e18115. doi: 10.5812/ircmj.18115. Epub 2014 Jun 5. PMID: 25068056
- 44-Tear film inflammatory mediators in patients with keratoconus. Sorkhabi R, Ghorbanihaghjo A, Taheri N, Ahoor MH. *Int Ophthalmol*. 2015 Aug;35(4):467-72. doi: 10.1007/s10792-014-9971-3. Epub 2014 Jul 26. PMID: 25062709
- 45-Ankylosing spondylitis in iran; late diagnosis and its causes. Hajjalilo M, Ghorbanihaghjo A, Khabbazi A, Kolahi S, Rashtchizadeh N. *Iran Red Crescent Med J*. 2014 Apr;16(4):e11798. doi: 10.5812/ircmj.11798. Epub 2014 Apr 5. PMID: 24910782
- 46-Osteoprotegerin and soluble receptor activator of nuclear factor-kappa B ligand in exudative age-related macular degeneration. Ghorbanihaghjo A, Javadzadeh A, Rashtchizadeh N, Sorkhabi R, Khalili H, Rahimi-Ardabili B. *Acta Med Iran*. 2014;52(4):265-70. PMID: 24901855
- 47-Lovastatin for reduction of leptin in nondialysis patients with type 2 diabetic nephropathy. Gholamin S, Razavi SM, Taghavi-Garmestani SM, Ghorbanihaghjo A, Rashtchizadeh N, Safa J, Vatankhah AM, Azizi T, Argani H. *Iran J Kidney Dis*. 2014 May;8(3):201-6. PMID: 24878942
- 48- Serum arsenic and lipid peroxidation levels in patients with multiple sclerosis. Yousefi B, Ahmadi Y, Ghorbanihaghjo A, Faghfoori Z, irannejad VS. *Biol Trace Elem Res*. 2014 Jun;158(3):276-9. doi: 10.1007/s12011-014-9956-0. Epub 2014 Apr 10. PMID: 24715660
- 49-Effect of breastfeeding on serum osteoprotegerin and soluble receptor activator of nuclear factor-kappa B ligand in full term neonates. Rafeey M, Ghorbanihaghjo A, Masoumi F, Alizadeh S, Davari Farid S. *Iran Red Crescent Med J*. 2013 Oct;15(10):e7591. doi: 10.5812/ircmj.7591. Epub 2013 Oct 5. PMID: 24693367
- 50-Protective effect of fish oil supplementation on DNA damage induced by cigarette smoking. Ghorbanihaghjo A, Safa J, Alizadeh S, Argani H, Rashtchizadeh N, Taghinia MV, Abbasi MM. *J Health Popul Nutr*. 2013 Sep;31(3):343-9. doi: 10.3329/jhpn.v31i3.16826. PMID: 24288948
- 51-Effects of zinc supplementation on serum zinc and leptin levels, BMI, and body composition in hemodialysis patients. Argani H, Mahdavi R, Ghorbani-haghjo A, Razzaghi R, Nikniaz L, Gaemmaghani SJ. *J Trace Elem Med Biol*. 2014 Jan;28(1):35-8. doi: 10.1016/j.jtemb.2013.09.001. Epub 2013 Sep 10. PMID: 24188897 *Clinical Trial*.
- 52-The status of serum vitamin D in patients with active Behcet's disease compared with controls. Khabbazi A, Rashtchizadeh N, Ghorbanihaghjo A, Hajjaliloo M, Ghojazadeh M, Taei R, Kolahi S. *Int J Rheum Dis*. 2014 May;17(4):430-4. doi: 10.1111/1756-185X.12153. Epub 2013 Sep 30. PMID: 24118939
- 53-Red grape seed extract improves lipid profiles and decreases oxidized low-density lipoprotein in patients with mild hyperlipidemia. Razavi SM, Gholamin S, Eskandari A, Mohsenian N, Ghorbanihaghjo A, Delazar

A, Rashtchizadeh N, Keshtkar-Jahromi M, Argani H. *J Med Food*. 2013 Mar;16(3):255-8. doi: 10.1089/jmf.2012.2408. Epub 2013 Feb 25. PMID: 23437789 Clinical Trial.

54 -Inhibition of USP14 induces ER stress-mediated autophagy without apoptosis in lung cancer cell line A549. Moghadami AA, Aboutalebi Vand Beilankouhi E, Kalantary-Charvadeh A, Hamzavi M, Mosayyebi B, Sedghi H, Ghorbani Haghjo A, Nazari Soltan Ahmad S. *Cell Stress Chaperones*. 2020 Jul 6. doi: 10.1007/s12192-020-01125-w. Online ahead of print. PMID: 32632734

55- Protection of renal damage by HMG-CoA inhibitors: A comparative study between atorvastatin and rosuvastatin. Jabarpour M, Rashtchizadeh N, Ghorbani Haghjo A, Argani H, Nemati M, Dastmalchi S, Roshangar L, Ranjbarzadhag M, Mesgari-Abbasi M, Bargahi N, Sanajou D. *Iran J Basic Med Sci*. 2020 Feb;23(2):206-213. doi: 10.22038/IJBMS.2019.38239.9080. PMID: 32405364

56-Empagliflozin Attenuates Renal and Urinary Markers of Tubular Epithelial Cell Injury in Streptozotocin-induced Diabetic Rats. Ashrafi Jigheh Z, Ghorbani Haghjo A, Argani H, Roshangar L, Rashtchizadeh N, Sanajou D, Nazari Soltan Ahmad S, Rashedi J, Dastmalchi S, Mesgari Abbasi M. *Indian J Clin Biochem*. 2020 Jan;35(1):109-114. doi: 10.1007/s12291-018-0790-6. Epub 2018 Sep 17. PMID: 32071503

57-Sodium-glucose co-transporters and diabetic nephropathy: Is there a link with toll-like receptors? Ashrafi Jigheh Z, Ghorbani Haghjo A, Argani H, Sanajou D. *Clin Exp Pharmacol Physiol*. 2020 Jun;47(6):919-926. doi: 10.1111/1440-1681.13261. Epub 2020 Feb 9. PMID: 31968131

58-Anti-tumor Effect of Quercetin Loaded Chitosan Nanoparticles on Induced Colon Cancer in Wistar Rats. Rashedi J, Ghorbani Haghjo A, Mesgari Abbasi M, Dastranj Tabrizi A, Yaqoubi S, Sanajou D, Ashrafi Jigheh Z, Namvaran A, Mohammadi A, Mohammadi Khoshraj J, Baradaran B. *Adv Pharm Bull*. 2019 Aug;9(3):409-415. doi: 10.15171/apb.2019.048. Epub 2019 Aug 1. PMID: 31592135

59- Empagliflozin alleviates renal inflammation and oxidative stress in streptozotocin-induced diabetic rats partly by repressing HMGB1-TLR4 receptor axis. Ashrafi Jigheh Z, Ghorbani Haghjo A, Argani H, Roshangar L, Rashtchizadeh N, Sanajou D, Nazari Soltan Ahmad S, Rashedi J, Dastmalchi S, Mesgari Abbasi M. *Iran J Basic Med Sci*. 2019 Apr;22(4):384-390. doi: 10.22038/ijbms.2019.31788.7651. PMID: 31168342

60-Reduction of renal tubular injury with a RAGE inhibitor FPS-ZM1, valsartan and their combination in streptozotocin-induced diabetes in the rat. Sanajou D, Ghorbani Haghjo A, Argani H, Roshangar L, Rashtchizadeh N, Ahmad SNS, Ashrafi-Jigheh Z, Bahrambeigi S, Asiaee F, Rashedi J, Aslani S. *Eur J Pharmacol*. 2019 Jan 5;842:40-48. doi: 10.1016/j.ejphar.2018.10.035. Epub 2018 Oct 26. PMID: 30393200

61-FPS-ZM1 and valsartan combination protects better against glomerular filtration barrier damage in streptozotocin-induced diabetic rats. Sanajou D, Ghorbani Haghjo A, Argani H, Roshangar L, Ahmad SNS, Jigheh ZA, Aslani S, Panah F, Rashedi J, Mesgari Abbasi M. *J Physiol Biochem*. 2018 Aug;74(3):467-478. doi: 10.1007/s13105-018-0640-2. Epub 2018 Jun 14. PMID: 29948786

62-AGE-RAGE axis blockade in diabetic nephropathy: Current status and future directions. Sanajou D, Ghorbani Haghjo A, Argani H, Aslani S. *Eur J Pharmacol*. 2018 Aug 15;833:158-164. doi: 10.1016/j.ejphar.2018.06.001. Epub 2018 Jun 5. PMID: 29883668 Review.

63-Dunnione protects against experimental cisplatin-induced nephrotoxicity by modulating NQO1 and NAD<sup>+</sup> levels. Nazari Soltan Ahmad S, Rashtchizadeh N, Argani H, Roshangar L, Ghorbani Haghjo A, Sanajou D, Panah F, Ashrafi Jigheh Z, Dastmalchi S, Mesgari-Abbasi M. *Free Radic Res*. 2018 Jul;52(7):808-817. doi: 10.1080/10715762.2018.1475732. Epub 2018 Jun 4. PMID: 29865885

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## Research projects:

N	Title	Details
1	Assosiation of serum sTWEAK levels and ApoA1vitamin D receptor gene polymorphisms with carotid intima media thckness in hemodialysis patients	Biotechnology Research Center
2	The Effects of Sevelamer on Klotho Expression, sTWEK and FGF23 levels in chronic renal failure rats	Biotechnology Research Center
3	Comparision of RAGE antagonism effect on podocyte damage in a Rat model of diabetic nephropathy	Biotechnology Research Center
4	The effect of Empagliflozin on the renal tubular epithelial cell injury markers and apoptosis in a diabetic rat model	Biotechnology Research Center
5	tudy of rosuvastatin effect on cholesterol balance between the hepatic and extrahepatic tissue	Biotechnology Research Center
6	The effect of melatonin on ischemia-reperfusion injury and Klotho protein expression in renal transplant patients	Biotechnology Research Center
7	Investigation of the simultaneous effect of docetaxel and glucose transporter type 1 inhibitor on the expression of apoptotic genes in A549 lung cancer cell line	Biotechnology Research Center
8	Correlation between serum Salusine beta level with clinical presentation and activity of Lupus disease	Biotechnology Research Center
9	Assesment of Serum histidine- rich glycoprotein with clinical manifestations and their correlation with disease activity in lupus and lupus nephritis	Biotechnology Research Center
10	Assessment of Serum klotho and its relationshipwith disease activity in with behcets dise	Biotechnology Research Center
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## Positions held: (past- current)

Start and End Date	Job Title, Responsibilities and achievements

## Association Memberships (past and current)

Start and End Date	Job Title, Responsibilities and achievements

## Awards and Recognitions

Start and End Date	Details