



Curriculum Vitae

First Name: Saeed

Last Name: Samarghandian

Education

Ph.D. degree in Medical Neurophysiology- **Tokyo University of Medical Sciences, Tokyo, Japan**

Postdoctoral Degree in Medical Genetics- **Tokyo University of Medical Sciences, Tokyo, Japan**

Position:

Professor & Head of Department of Basic Medical Science
Neyshabur University of Medical Sciences, Neyshabur, Iran

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Neyshabur, Iran

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H-index (Scopus): 39

No. of Publication: 209

Specific Skills

- 1-Experimental methods in Neuroscience
- 2- Intracerebroventricular (ICV) administration in rat and mice
- 3-Microinjection into the special target in brain
- 4-Experimental model of brain injury in rats
- 5-Experimental model of intestinal ischemia-reperfusion in mice and rats
- 6- Nuclear Magnetic Resonance (NMR) spectroscopy in rats
- 7-Thermal injury model in mice
- 8-Imunoelectrophoresis technique
- 9-Molecular Biology in Medical Science (particular on Neurology, Vascularogenesis)
- 10-RT-PCR (reverse transcription-polymerase chain reaction) method
- 11-Technique for generating the antibody and purification of antibody
- 12-Western and Northern blot methods
- 13-Experimental methods in Genetics
- 14-Gene diagnosis
- 20-Techniques in Biochemistry

Research Interests

- 1-Research for finding the Molecular mechanisms of diseases
- 2-Work on NeuroMolecular Biology
- 3-Research on Gene diagnosis
- 4-Detect the new strategies for treatment of Brain Trauma
- 5-Genetic research

Publisherd Articles (indexed in Scopus)

1. **STAT3 pathway as a molecular target for resveratrol in breast cancer treatment**
Kohandel, Z., Farkhondeh, T., Aschner, M., Pourbagher-Shahri, A.M., Samarghandian, S. Cancer Cell International. 2021.
21(1),468
2. **Hyaluronic acid-based nanoplatfoms for Doxorubicin: A review of stimuli-responsive carriers, co-delivery and resistance suppression**
Ashrafizadeh, M., Mirzaei, S., Gholami, M.H., (...), Tay, F.R., Orive, G. Carbohydrate Polymers. 2021.
272,118491
3. **A systematic review of clinical and laboratory findings of lead poisoning: lessons from case rep**
Samarghandian, S., Shirazi, F.M., Saeedi, F., (...), Abdollahi, M., Mehrpour, O. Toxicology and Applied Pharmacology. 2021.
429,115681
4. **Impact of buprenorphine on learning and memory ability related to the acetylcholinesterase change in the hippocampus of rats**
Samini, M., Farkhondeh, T., Azimi-Nezhad, M., Samarghandian, S. Biointerface Research in Applied Chemistry. 2021.
11(5), pp. 13111-13114
5. **A review study on the modulation of SIRT1 expression by miRNAs in aging and age-associated diseases**
Zia, A., Sahebdel, F., Farkhondeh, T., (...), Hushmandi, K., Samarghandian, S. International Journal of Biological Macromolecules. 2021.188, pp. 52-61
6. **An updated review on the versatile role of chrysin in neurological diseases: Chemistry, pharmacology, and drug delivery approaches**
Talebi, M., Talebi, M., Farkhondeh, T., (...), Bernatoniene, J., Samarghandian, S. Biomedicine and Pharmacotherapy. 2021. 141,111906
7. **An overview of no signaling pathways in aging**
Pourbagher-Shahri, A.M., Farkhondeh, T., Talebi, M., (...), Samarghandian, S., Bernatoniene, J. Molecules. 2021. 26(15),4533.
8. **Effect of aloe vera extract on reducing aflatoxin b1 in eggs of laying hen and egg yolk oxidative stability**
Mohajer, A., Seifi, S., Rezaie, S., (...), Farkhondeh, T., Sadighara, P. Biointerface Research in Applied Chemistry. 2021.
11(5), pp. 12680-12688
9. **Association of crocus sativus with cognitive dysfunctions and alzheimer's disease: A systematic review**
Talebi, M., Talebi, M., Samarghandian, S. Biointerface Research in Applied Chemistry. 2021. 11(1), pp. 7468-7492
10. **The involvement of epithelial-to-mesenchymal transition in doxorubicin resistance: Possible molecular targets.**
Mirzaei S, Abadi AJ, Gholami MH, Hashemi F, Zabolian A, Hushmandi K, Zarrabi A, Entezari M, Aref AR, Khan H, Ashrafizadeh M, Samarghandian S.Eur J Pharmacol. 2021 Jul 13:174344. doi: 10.1016/j.ejphar.2021.174344. Online ahead of print.PMID: 34270987 Review.
11. **A Concise Overview of Biosensing Technologies for the Detection of Alzheimer's Disease Biomarkers.**
Talebi M, Esmaeeli H, Talebi M, Farkhondeh T, Samarghandian S.Curr Pharm Biotechnol. 2021 Jul 9. doi: 10.2174/2666796702666210709122407. Online ahead of print.PMID: 34250871

12. **Caffeic acid and its derivatives as potential modulators of oncogenic molecular pathways: New hope in the fight against cancer.**
Mirzaei S, Gholami MH, Zabolian A, Saleki H, Farahani MV, Hamzehlou S, Far FB, Sharifzadeh SO, Samarghandian S, Khan H, Aref AR, Ashrafizadeh M, Zarrabi A, Sethi G. *Pharmacol Res.* 2021 Jul 8;171:105759. doi: 10.1016/j.phrs.2021.105759. Online ahead of print. PMID: 34245864
13. **New insight towards development of paclitaxel and docetaxel resistance in cancer cells: EMT as a novel molecular mechanism and therapeutic possibilities.**
Ashrafizadeh M, Mirzaei S, Hashemi F, Zarrabi A, Zabolian A, Saleki H, Sharifzadeh SO, Soleymani L, Daneshi S, Hushmandi K, Khan H, Kumar AP, Aref AR, Samarghandian S. *Biomed Pharmacother.* 2021 Jun 25;141:111824. doi: 10.1016/j.biopha.2021.111824. Online ahead of print. PMID: 34175815 Free article. Review.
14. **Molecular and cellular pathways contributing to brain aging.**
Zia A, Pourbagher-Shahri AM, Farkhondeh T, Samarghandian S. *Behav Brain Funct.* 2021 Jun 12;17(1):6. doi: 10.1186/s12993-021-00179-9. PMID: 34118939 Free PMC article. Review.
15. **Environmental arsenic exposure and its toxicological effect on thyroid function: a systematic review.**
Esform A, Farkhondeh T, Samarghandian S, Rezaei M, Naghizadeh A. *Rev Environ Health.* 2021 Jun 7. doi: 10.1515/reveh-2021-0025. Online ahead of print. PMID: 34090316 Review.
16. **Molecular targets for the management of gastrointestinal cancer using melatonin, a natural endogenous body hormone.**
Kohandel Z, Farkhondeh T, Aschner M, Samarghandian S. *Biomed Pharmacother.* 2021 Aug;140:111782. doi: 10.1016/j.biopha.2021.111782. Epub 2021 Jun 1. PMID: 34087693 Free article. Review.
17. **Role of ZEB family members in proliferation, metastasis and chemoresistance of prostate cancer cells: Revealing signaling networks.**
Soleymani L, Zarrabi A, Hashemi F, Hashemi F, Zabolian A, Banihashemi SM, Moghadam SS, Hushmandi K, Samarghandian S, Ashrafizadeh M, Khan H. *Curr Cancer Drug Targets.* 2021 Jun 1. doi: 10.2174/1568009621666210601114631. Online ahead of print. PMID: 34077345
18. **Roles of Nrf2 in Gastric Cancer: Targeting for Therapeutic Strategies.**
Farkhondeh T, Pourbagher-Shahri AM, Azimi-Nezhad M, Forouzanfar F, Brockmueller A, Ashrafizadeh M, Talebi M, Shakibaei M, Samarghandian S. *Molecules.* 2021 May 25;26(11):3157. doi: 10.3390/molecules26113157. PMID: 34070502 Free PMC article. Review.
19. **Therapeutic potential of AMPK signaling targeting in lung cancer: Advances, challenges and future prospects.**
Ashrafizadeh M, Mirzaei S, Hushmandi K, Rahmanian V, Zabolian A, Raei M, Farahani MV, Goharrizi MASB, Khan H, Zarrabi A, Samarghandian S. *Life Sci.* 2021 Aug 1;278:119649. doi: 10.1016/j.lfs.2021.119649. Epub 2021 May 24. PMID: 34043989 Review
20. **A systematic review on the metabolic effects of chlorpyrifos.**
Farkhondeh T, Mehrpour O, Sadeghi M, Aschner M, Aramjoo H, Roshanravan B, Samarghandian S. *Rev Environ Health.* 2021 May 7. doi: 10.1515/reveh-2020-0150. Online ahead of print. PMID: 33962508 Review.
21. **Interplay between SOX9 transcription factor and microRNAs in cancer.**
Ashrafizadeh M, Zarrabi A, Oroui S, Zabolian A, Saleki H, Azami N, Bejandi AK, Mirzaei S, Janaghard MN, Hushmandi K, Nabavi N, Baradaran B, Kumar AP, Makvandi P, Samarghandian S, Khan H, Hamblin MR. *Int J Biol Macromol.* 2021 Jul 31;183:681-694. doi: 10.1016/j.ijbiomac.2021.04.185. Epub 2021 May 3. PMID: 33957202 Review.
22. **Impact of Metformin on Cancer Biomarkers in Non-Diabetic Cancer Patients: A Systematic Review and Meta-Analysis of Clinical Trials.**
Farkhondeh T, Amirabadizadeh A, Aramjoo H, Llorens S, Roshanravan B, Saeedi F, Talebi M, Shakibaei M, Samarghandian S. *Curr Oncol.* 2021 Apr 6;28(2):1412-1423. doi: 10.3390/curroncol28020134. PMID: 33917520 Free PMC article. Review.
23. **Nutraceuticals-based therapeutic approach: recent advances to combat pathogenesis of Alzheimer's disease.**
Talebi M, Kakouri E, Talebi M, Tarantilis PA, Farkhondeh T, İlğün S, Pourbagher-Shahri AM,

Samarghandian S. *Expert Rev Neurother*. 2021 Jun;21(6):625-642. doi: 10.1080/14737175.2021.1923479. Epub 2021 May 16. PMID: 33910446

24. Possible Potential Effects of Honey and Its Main Components Against Covid-19 Infection.

Abedi F, Ghasemi S, Farkhondeh T, Azimi-Nezhad M, Shakibaei M, Samarghandian S. Dose Response. 2021 Mar 30;19(1):1559325820982423. doi: 10.1177/1559325820982423. eCollection 2021 Jan-Mar. PMID: 33867892 Free PMC article. Review.

25. Emerging cellular and molecular mechanisms underlying anticancer indications of chrysin.

Talebi M, Talebi M, Farkhondeh T, Simal-Gandara J, Kopustinskiene DM, Bernatoniene J, Samarghandian S. *Cancer Cell Int*. 2021 Apr 15;21(1):214. doi: 10.1186/s12935-021-01906-y. PMID: 33858433 Free PMC article. Review.

26. Nrf2 a molecular therapeutic target for Astaxanthin.

Kohandel Z, Farkhondeh T, Aschner M, Samarghandian S. *Biomed Pharmacother*. 2021 May;137:111374. doi: 10.1016/j.biopha.2021.111374. Epub 2021 Feb 18. PMID: 33761600 Review.

27. Anti-inflammatory effects of thymoquinone and its protective effects against several diseases.

Kohandel Z, Farkhondeh T, Aschner M, Samarghandian S. *Biomed Pharmacother*. 2021 Jun;138:111492. doi: 10.1016/j.biopha.2021.111492. Epub 2021 Mar 17. PMID: 33743334 Review.

28. Small interfering RNA (siRNA) to target genes and molecular pathways in glioblastoma therapy: Current status with an emphasis on delivery systems.

Mirzaei S, Mahabady MK, Zabolian A, Abbaspour A, Fallahzadeh P, Noori M, Hashemi F, Hushmandi K, Daneshi S, Kumar AP, Aref AR, Samarghandian S, Makvandi P, Khan H, Hamblin MR, Ashrafizadeh M, Zarrabi A. *Life Sci*. 2021 Jun 15;275:119368. doi: 10.1016/j.lfs.2021.119368. Epub 2021 Mar 16. PMID: 33741417 Review.

29. The role of SOX family transcription factors in gastric cancer.

Abadi AJ, Zarrabi A, Hashemi F, Zabolian A, Najafi M, Entezari M, Hushmandi K, Aref AR, Khan H, Makvandi P, Ashrafizadeh S, Farkhondeh T, Ashrafizadeh M, Samarghandian S, Hamblin MR. *Int J Biol Macromol*. 2021 Jun 1;180:608-624. doi: 10.1016/j.ijbiomac.2021.02.202. Epub 2021 Mar 1. PMID: 33662423 Review.

30. Anti-Inflammatory Activity of Melatonin: a Focus on the Role of NLRP3 Inflammasome.

Ashrafizadeh M, Najafi M, Kavyiani N, Mohammadinejad R, Farkhondeh T, Samarghandian S. *Inflammation*. 2021 Aug;44(4):1207-1222. doi: 10.1007/s10753-021-01428-9. Epub 2021 Mar 2. PMID: 33651308 Review.

31. The Roles of mitochondrial dysfunction and Reactive Oxygen Species in Aging and Senescence.

Zia A, Farkhondeh T, Pourbagher-Shahri AM, Samarghandian S. *Curr Mol Med*. 2021 Feb 17. doi: 10.2174/1566524021666210218112616. Online ahead of print. PMID: 33602082

32. New insights into the role of the Nrf2 signaling pathway in green tea catechin applications.

Talebi M, Talebi M, Farkhondeh T, Mishra G, İlgin S, Samarghandian S. *Phytother Res*. 2021 Jun;35(6):3078-3112. doi: 10.1002/ptr.7033. Epub 2021 Feb 10. PMID: 33569875 Review.

33. Curcumin Efficacy in a Serum/glucose Deprivation-induced Neuronal PC12 Injury Model.

Farkhondeh T, Ashrafizadeh M, Azimi-Nezhad M, Samini F, Aschner M, Samarghandian S. *Curr Mol Pharmacol*. 2021 Feb 3. doi: 10.2174/1874467214666210203211312. Online ahead of print. PMID: 33538682

34. Crosstalk of long non-coding RNAs and EMT: Searching the missing pieces of an incomplete puzzle for lung cancer therapy.

Ashrafizadeh M, Shahinozaman M, Orouei S, Zarrin V, Hushmandi K, Hashemi F, Kumar A, Samarghandian S, Najafi M, Zarrabi A. *Curr Cancer Drug Targets*. 2021 Feb 2. doi: 10.2174/1568009621666210203110305. Online ahead of print. PMID: 33535952

35. Anti-tumor activity of resveratrol against gastric cancer: a review of recent advances with an emphasis on molecular pathways.

Ashrafizadeh M, Rafiei H, Mohammadinejad R, Farkhondeh T, Samarghandian S. *Cancer Cell Int*. 2021 Jan 21;21(1):66. doi: 10.1186/s12935-021-01773-7. PMID: 33478512 Free PMC article. Review.

36. **Tantalizing role of p53 molecular pathways and its coherent medications in neurodegenerative diseases.**
Talebi M, Talebi M, Kakouri E, Farkhondeh T, Pourbagher-Shahri AM, Tarantilis PA, Samarghandian S. *Int J Biol Macromol*. 2021 Mar 1;172:93-103. doi: 10.1016/j.ijbiomac.2021.01.042. Epub 2021 Jan 10. PMID: 33440210 Review.
37. **Chlorpyrifos with age-dependent effects in cardiac tissue of male rats.**
Mesbahzadeh B, Salarjavan H, Samarghandian S, Farkhondeh T. *Curr Mol Pharmacol*. 2021 Jan 10. doi: 10.2174/1874467214666210111105321. Online ahead of print. PMID: 33430739
38. **The role of microRNA-338-3p in cancer: growth, invasion, chemoresistance, and mediators.**
Mirzaei S, Zarrabi A, Asnaf SE, Hashemi F, Zabolian A, Hushmandi K, Raei M, Goharrizi MASB, Makvandi P, Samarghandian S, Najafi M, Ashrafizadeh M, Aref AR, Hamblin MR. *Life Sci*. 2021 Mar 1;268:119005. doi: 10.1016/j.lfs.2020.119005. Epub 2021 Jan 6. PMID: 33421526 Review.
39. **Toward Regulatory Effects of Curcumin on Transforming Growth Factor-Beta Across Different Diseases: A Review.**
Ashrafizadeh M, Zarrabi A, Hushmandi K, Zarrin V, Moghadam ER, Hashemi F, Makvandi P, Samarghandian S, Khan H, Hashemi F, Najafi M, Mirzaei H. *Front Pharmacol*. 2020 Dec 14;11:585413. doi: 10.3389/fphar.2020.585413. eCollection 2020. PMID: 33381035 Free PMC article.
40. **Zingiber officinale ameliorates Alzheimer's disease and Cognitive Impairments: Lessons from preclinical studies.**
Talebi M, İlğün S, Ebrahimi V, Talebi M, Farkhondeh T, Ebrahimi H, Samarghandian S. *Biomed Pharmacother*. 2021 Jan;133:111088. doi: 10.1016/j.biopha.2020.111088. Epub 2020 Dec 15. PMID: 33378982 Free article. Review.
41. **Pre-clinical investigation of STAT3 pathway in bladder cancer: Paving the way for clinical translation.**
Mirzaei S, Gholami MH, Mahabady MK, Nabavi N, Zabolian A, Banihashemi SM, Haddadi A, Entezari M, Hushmandi K, Makvandi P, Samarghandian S, Zarrabi A, Ashrafizadeh M, Khan H. *Biomed Pharmacother*. 2021 Jan;133:111077. doi: 10.1016/j.biopha.2020.111077. Epub 2020 Dec 4. PMID: 33378975 Free article. Review.
42. **ACE2 as a potential target for management of novel coronavirus (nCoV- 2019).**
Forouzanfar E, Forouzanfar M, Farkhondeh T, Samarghandian S, Forouzanfar F. *Curr Drug Discov Technol*. 2020 Dec 28. doi: 10.2174/1570163817999201228215911. Online ahead of print. PMID: 33371835
43. **The role of curcumin in aging and senescence: Molecular mechanisms.**
Zia A, Farkhondeh T, Pourbagher-Shahri AM, Samarghandian S. *Biomed Pharmacother*. 2021 Feb;134:111119. doi: 10.1016/j.biopha.2020.111119. Epub 2020 Dec 24. PMID: 33360051 Free article. Review.
44. **Quercetin in attenuation of ischemic/reperfusion injury: A review.**
Ashrafizadeh M, Samarghandian S, Hushmandi K, Zabolian A, Shahinozzaman M, Saleki H, Esmaeili H, Raei M, Entezari M, Zarrabi A, Najafi M. *Curr Mol Pharmacol*. 2020 Dec 17. doi: 10.2174/1874467213666201217122544. Online ahead of print. PMID: 33334302
45. **MicroRNA-mediated autophagy regulation in cancer therapy: The role in chemoresistance/chemosensitivity.**
Ashrafizadeh M, Zarrabi A, Orouei S, Kiavash Hushmandi, Hakimi A, Amirhossein Zabolian, Daneshi S, Samarghandian S, Baradaran B, Najafi M. *Eur J Pharmacol*. 2021 Feb 5;892:173660. doi: 10.1016/j.ejphar.2020.173660. Epub 2020 Oct 24. PMID: 33310181 Review.
46. **Autophagy regulation using luteolin: new insight into its anti-tumor activity.**
Ashrafizadeh M, Ahmadi Z, Farkhondeh T, Samarghandian S. *Cancer Cell Int*. 2020 Nov 4;20(1):537. doi: 10.1186/s12935-020-01634-9. PMID: 33292250 Free PMC article. Review.
47. **An Overview of the Role of Adipokines in Cardiometabolic Diseases.**
Farkhondeh T, Llorens S, Pourbagher-Shahri AM, Ashrafizadeh M, Talebi M, Shakibaei M, Samarghandian S. *Molecules*. 2020 Nov 9;25(21):5218. doi: 10.3390/molecules25215218. PMID: 33182462 Free PMC article. Review.
48. **The effect of diazinon on blood glucose homeostasis: a systematic and meta-analysis study.**
Farkhondeh T, Aschner M, Sadeghi M, Mehrpour O, Naseri K, Amirabadizadeh A, Roshanravan B, Aramjoo H, Samarghandian S. *Environ Sci Pollut Res Int*. 2021 Jan;28(4):4007-4018. doi: 10.1007/s11356-020-11364-0. Epub 2020 Nov 11. PMID: 33175357

49. **The association between diazinon exposure and dyslipidemia occurrence: a systematic and meta-analysis study.**
Aramjoo H, Farkhondeh T, Aschner M, Naseri K, Mehrpour O, Sadighara P, Roshanravan B, Samarghandian S. *Environ Sci Pollut Res Int*. 2021 Jan;28(4):3994-4006. doi: 10.1007/s11356-020-11363-1. Epub 2020 Nov 7. PMID: 33159230
50. **Biological and therapeutic activities of thymoquinone: Focus on the Nrf2 signaling pathway.**
Talebi M, Talebi M, Farkhondeh T, Samarghandian S. *Phytother Res*. 2021 Apr;35(4):1739-1753. doi: 10.1002/ptr.6905. Epub 2020 Oct 13. PMID: 33051921 Review.
51. **The effects of Berberis vulgaris L. and Berberis aristata L. in metabolic syndrome patients: a systematic and meta-analysis study.**
Roshanravan B, Yousefizadeh S, Apaydin Yildirim B, Farkhondeh T, Amirabadizadeh A, Ashrafizadeh M, Talebi M, Samarghandian S. *Arch Physiol Biochem*. 2020 Oct 10:1-12. doi: 10.1080/13813455.2020.1828482. Online ahead of print. PMID: 33040642
52. **Protective Effect of Resveratrol against Glioblastoma: A Review.**
Ashrafizadeh M, Mohammadinejad R, Farkhondeh T, Samarghandian S. *Anticancer Agents Med Chem*. 2021;21(10):1216-1227. doi: 10.2174/1871520620666200929151139. PMID: 32990542
53. **Molecular mechanism-based therapeutic properties of honey.**
Talebi M, Talebi M, Farkhondeh T, Samarghandian S. *Biomed Pharmacother*. 2020 Oct;130:110590. doi: 10.1016/j.biopha.2020.110590. Epub 2020 Aug 5. PMID: 32768885 Review.
54. **Impact of buprenorphine on learning and memory ability, oxidative status and inflammation in the hippocampus of rat.**
Samini M, Farkhondeh T, Azimi-Nezhad M, Samarghandian S. *Curr Mol Pharmacol*. 2020 Jul 27. doi: 10.2174/1874467213666200727123224. Online ahead of print. PMID: 32718302
55. **Chrysin's Impact on Oxidative and Inflammation Damages in the Liver of Aged Male Rats.**
Samini M, Farkhondeh T, Azimi-Nezhad M, Samarghandian S. *Endocr Metab Immune Disord Drug Targets*. 2021;21(4):743-748. doi: 10.2174/1871530320666200717162304. PMID: 32679027
56. **MicroRNAs and Their Influence on the ZEB Family: Mechanistic Aspects and Therapeutic Applications in Cancer Therapy.**
Ashrafizadeh M, Ang HL, Moghadam ER, Mohammadi S, Zarrin V, Hushmandi K, Samarghandian S, Zarrabi A, Najafi M, Mohammadinejad R, Kumar AP. *Biomolecules*. 2020 Jul 12;10(7):1040. doi: 10.3390/biom10071040. PMID: 32664703 Free PMC article. Review.
57. **The Toxicity Effect of Echium amoenum on the Liver and Kidney of Mice.**
Ghorbani M, Araghi A, Shariatifar N, Mirbaha SH, Abbasabadi BM, Samarghandian S, Farkhondeh T, Sadighara P. *Curr Drug Discov Technol*. 2021;18(4):548-553. doi: 10.2174/1570163817666200712170922. PMID: 32652917
58. **Impact of Cannabis-Based Medicine on Alzheimer's Disease by Focusing on the Amyloid β -Modifications: A Systematic Study.**
Farkhondeh T, Khan H, Aschner M, Samini F, Pourbagher-Shahri AM, Aramjoo H, Roshanravan B, Hoyte C, Mehrpour O, Samarghandian S. *CNS Neurol Disord Drug Targets*. 2020;19(5):334-343. doi: 10.2174/1871527319666200708130745. PMID: 32640965
59. **Flaming the fight against cancer cells: the role of microRNA-93.**
Ashrafizadeh M, Najafi M, Mohammadinejad R, Farkhondeh T, Samarghandian S. *Cancer Cell Int*. 2020 Jun 29;20:277. doi: 10.1186/s12935-020-01349-x. eCollection 2020. PMID: 32612456 Free PMC article. Review.
60. **Flaming the fight against cancer cells: the role of microRNA-93**
M Ashrafizadeh, M Najafi, R Mohammadinejad, T Farkhondeh, ... *Cancer Cell International*. 2020. 20 (1), 1-16
61. **MicroRNAs mediate the anti-tumor and protective effects of ginsenosides**
M Ashrafizadeh, Z Ahmadi, R Mohammadinejad, T Farkhondeh, ... *Nutrition and cancer* . 2020. 72 (8),

62. [The effects of *Berberis vulgaris* L. and *Berberis aristata* L. in metabolic syndrome patients: a systematic and meta-analysis study](#)
B Roshanravan, S Yousefizadeh, B Apaydin Yildirim, T Farkhondeh, ...Archives of Physiology and Biochemistry, . 2020. 1-12
63. [Molecular Mechanism-Based Therapeutic Properties of Hmechanism-based therapeutic properties of honey](#)
M Talebi, M Talebi, T Farkhondeh, S SamarghandianBiomedicine & Pharmacotherapy 130, 110590
Green tea catechins inhibit microglial activation which prevents the development of neurological disorders
T Farkhondeh, AM Pourbagher-Shahri, M Ashrafizadeh, SL Folgado, ...Neural Regeneration Research.
2020. 15 (10), 1792
64. [Age-dependent effect of chlorpyrifos on the hematological parameters in male rats](#)
B Roshanravan, O Mehrpour, M Ashrafizadeh, N Yazdanfar, P Sadighara, ...Toxin Reviews, . 2020. 1-5
65. [Back to nucleus: combating with cadmium toxicity using Nrf2 signaling pathway as a promising therapeutic target](#)
M Ashrafizadeh, Z Ahmadi, T Farkhondeh, S Samarghandian. Biological trace element research . 2020. 197 (1), 52-62
66. [Impact of buprenorphine on learning and memory ability, oxidative status and inflammation in the hippocampus of rat.](#)
M Samini, T Farkhondeh, M Azimi-Nezhad, S Samarghandian. Current Molecular Pharmacology. 2020.
67. [MicroRNAs and their influence on the ZEB family: mechanistic aspects and therapeutic applications in cancer therapy](#)
M Ashrafizadeh, HL Ang, ER Moghadam, S Mohammadi, V Zarrin, ...Biomolecules . 2020. 10 (7), 1040
68. [The therapeutic effect of resveratrol: Focusing on the Nrf2 signaling pathway](#)
T Farkhondeh, SL Folgado, AM Pourbagher-Shahri, M Ashrafizadeh, ...Biomedicine & Pharmacotherapy. 2020. 127, 110234
69. [Curcumin and blood lipid levels: an updated systematic review and meta-analysis of randomised clinical trials](#)
F Saeedi, T Farkhondeh, B Roshanravan, A Amirabadizadeh, ...Archives of Physiology and Biochemistry. 2020., 1-10
70. [Berberine Administration in Treatment of Colitis: A Review](#)
M Ashrafizadeh, M Najafi, R Mohammadinejad, T Farkhondeh, ...Current Drug Targets . 2020. 21, 000-000
71. [MicroRNAs in cancer therapy: Their involvement in oxaliplatin sensitivity/resistance of cancer cells with a focus on colorectal cancer](#)
M Ashrafizadeh, A Zarrabi, K Hushmandi, F Hashemi, F Hashemi, ...Life sciences, . 2020. 117973
72. [Versatile role of curcumin and its derivatives in lung cancer therapy](#)
M Ashrafizadeh, M Najafi, P Makvandi, A Zarrabi, T Farkhondeh, ...Journal of Cellular Physiology. 2020.
73. [A pivotal role of Nrf2 signaling pathway in spinal cord injury: a prospective therapeutics study.](#)
T Farkhondeh, AM Pourbagher-Shahri, M Ashrafizadeh, H Khan, ...CNS & Neurological Disorders Drug Targets. 2020.
74. [PD-1/PD-L1 axis regulation in cancer therapy: The role of long non-coding RNAs and microRNAs](#)
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