

Document results of Scopus indexed Razi Herbal Medicines Research Center in 2020

1. Abbafati, C., Machado, D. B., Cislaghi, B., Salman, O. M., Karanikolos, M., McKee, M., ... Zhu, C. (2020). Five insights from the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1135-1159. doi:10.1016/S0140-6736(20)31404-5
2. Abbafati, C., Machado, D. B., Cislaghi, B., Salman, O. M., Karanikolos, M., McKee, M., ... Zhu, C. (2020). Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1160-1203. doi:10.1016/S0140-6736(20)30977-6
3. Abbafati, C., Machado, D. B., Cislaghi, B., Salman, O. M., Karanikolos, M., McKee, M., ... Zhu, C. (2020). Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1223-1249. doi:10.1016/S0140-6736(20)30752-2
4. Abbafati, C., Machado, D. B., Cislaghi, B., Salman, O. M., Karanikolos, M., McKee, M., ... Zhu, C. (2020). Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1204-1222. doi:10.1016/S0140-6736(20)30925-9
5. Abbasnezhad, A., Falahi, E., Gonzalez, M. J., Kavehi, P., Fouladvand, F., & Choghakhor, R. (2020). Effect of different dietary approaches in comparsion with high/low-carbohydrate diets on systolic and diastolic blood pressure in type 2 diabetic patients: A systematic review and meta-Analysis. *Preventive Nutrition and Food Science*, 25(3), 233-245. doi:10.3746/pnf.2020.25.3.233
6. Abbasnezhad, A., Falahi, E., Gonzalez, M. J., Kavehi, P., Fouladvand, F., & Choghakhor, R. (2020). Effect of different dietary approaches compared with a regular diet on systolic and diastolic blood pressure in patients with type 2 diabetes: A systematic review and meta-analysis. *Diabetes Research and Clinical Practice*, 163. doi:10.1016/j.diabres.2020.108108
7. Abbasnezhad, A., Habibi, M., Abdolkarimi, B., Zare, S., Moghadam, E. F., & Choghakhor, R. (2020). Serum concentrations of vitamin d, calcium, phosphorus and trace minerals in adults and children with haemophilia a: Association with disease severity, quality of life, joint health and functional status. *International Journal of Hematology-Oncology and Stem Cell Research*, 14(1), 56-71. doi:10.18502/ijhoscr.v14i1.2361
8. Abbasnezhad, A., Hasanavand, A., Falah, E., Kashkooli, S., Asbaghi, O., & Choghakhor, R. (2020). Effect of l-carnitine supplementation on lipid profiles of patients with liver disease a systematic review and meta-Analysis. *Preventive Nutrition and Food Science*, 25(2), 124-132. doi:10.3746/pnf.2020.25.2.124
9. Abbaszadeh, A., Assadollahi, V., Alasvand, M., Anbari, K., Tavakoli, N., & Gholami, M. (2020). Protective effects of royal jelly on testicular torsion induced ischaemia reperfusion injury in rats. *Andrologia*, 52(9). doi:10.1111/and.13716
10. Abbaszadeh, S., Rashidipour, M., Khosravi, P., Shahryarhesami, S., Ashrafi, B., Kaviani, M., & Sarabi, M. M. (2020). Biocompatibility, cytotoxicity, antimicrobial and epigenetic effects of novel chitosan-based quercetin nanohydrogel in human cancer cells. *International Journal of Nanomedicine*, 15, 5963-5975. doi:10.2147/IJN.S263013

11. Ahmadi, K., Soleimani, A., Soleimani Motlagh, S., Baharvand Ahmadi, S., Almasian, M., & Kiani, A. A. (2020). Polymorphisms of pre-mir-499 rs3746444 T/C and pre-mir-146a rs2910164 C/G in the autoimmune diseases of rheumatoid arthritis and systemic lupus erythematosus in the west of Iran. *Iranian Journal of Public Health*, 49(4), 782-790.
12. Alatab, S., Sepanlou, S. G., Ikuta, K., Vahedi, H., Bisignano, C., Safiri, S., . . . Naghavi, M. (2020). The global, regional, and national burden of inflammatory bowel disease in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet Gastroenterology and Hepatology*, 5(1), 17-30. doi:10.1016/S2468-1253(19)30333-4
13. Albalawi, A. E., Alanazi, A. D., Baharvand, P., Sepahvand, M., & Mahmoudvand, H. (2020). High potency of organic and inorganic nanoparticles to treat cystic echinococcosis: An evidence-based review. *Nanomaterials*, 10(12), 1-17. doi:10.3390/nano10122538
14. Alipour, M., reza Bigdeli, M., Aligholi, H., Rasoulian, B., & Khaksarian, M. (2020). Sustained release of silibinin-loaded chitosan nanoparticle induced apoptosis in glioma cells. *Journal of Biomedical Materials Research - Part A*, 108(3), 458-469. doi:10.1002/jbm.a.36827
15. Amirzargar, N., Heidari-Soureshjani, S., Yang, Q., Abbaszadeh, S., & Khaksarian, M. (2020). Neuroprotective effects of medicinal plants in cerebral hypoxia and anoxia: A systematic review. *Natural Products Journal*, 10(5), 550-565. doi:10.2174/2210315509666190820103658
16. Asbaghi, O., Choghakhor, R., Ashtary-Larky, D., & Abbasnezhad, A. (2020). Effects of the Mediterranean diet on cardiovascular risk factors in non-alcoholic fatty liver disease patients: A systematic review and meta-analysis. *Clinical Nutrition ESPEN*, 37, 148-156. doi:10.1016/j.clnesp.2020.03.003
17. Asbaghi, O., Fouladvand, F., Ashtary-Larky, D., Bagheri, R., Choghakhor, R., Wong, A., . . . Abbasnezhad, A. (2020). Effects of green tea supplementation on serum concentrations of adiponectin in patients with type 2 diabetes mellitus: a systematic review and meta-analysis. *Archives of Physiology and Biochemistry*. doi:10.1080/13813455.2020.1846202
18. Asbaghi, O., Fouladvand, F., Gonzalez, M. J., Aghamohammadi, V., Choghakhor, R., & Abbasnezhad, A. (2020). Effect of green tea on anthropometric indices and body composition in patients with type 2 diabetes mellitus: A systematic review and meta-analysis. *Complementary Medicine Research*. doi:10.1159/000511665
19. Asbaghi, O., Fouladvand, F., Moradi, S., Ashtary-Larky, D., Choghakhor, R., & Abbasnezhad, A. (2020). Effect of green tea extract on lipid profile in patients with type 2 diabetes mellitus: A systematic review and meta-analysis. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, 14(4), 293-301. doi:10.1016/j.dsx.2020.03.018
20. Asgari, M. S., Mohammadi-Khanaposhtani, M., Sharafi, Z., Faramarzi, M. A., Rastegar, H., Nasli Esfahani, E., . . . Larijani, B. (2020). Design and synthesis of 4,5-diphenyl-imidazol-1,2,3-triazole hybrids as new anti-diabetic agents: in vitro α -glucosidase inhibition, kinetic and docking studies. *Molecular Diversity*. doi:10.1007/s11030-020-10072-8
21. Ashrafi, B., Beyranvand, F., Ashouri, F., Rashidipour, M., Marzban, A., Kheirandish, F., . . . Shahrokhi, S. (2020). Characterization of phytochemical composition and bioactivity assessment of Pseudotrichyridium kotschyii essential oils. *Medicinal Chemistry Research*, 29(9), 1676-1688. doi:10.1007/s00044-020-02594-5

22. Ashrafi, B., Rashidipour, M., Gholami, E., Sattari, E., Marzban, A., Kheirandish, F., . . . Soroush, S. (2020). Investigation of the phytochemicals and bioactivity potential of essential oil from *Nepeta curvidens* Boiss. & Balansa. *South African Journal of Botany*, 135, 109-116. doi:10.1016/j.sajb.2020.08.015
23. Astaraki, P., Basati, G., Abbaszadeh, S., & Mahmoudi, G. A. (2020). A review of medicinal plants used for snakebites and scorpion stings in Iran: A systematic review. *Research Journal of Pharmacy and Technology*, 13(3), 1565-1569. doi:10.5958/0974-360X.2020.00283.8
24. Babaie, Z., Delfani, S., Rezaei, F., Norolah, F., Mahdian, S., & Shakib, P. (2020). Molecular detection of carbapenem resistance in *acinetobacter bauman-nii* isolated from patients in khorramabad city, iran. *Infectious Disorders - Drug Targets*, 20(4), 543-549. doi:10.2174/1871526519666190517124314
25. Badparva, E., & Kheirandish, F. (2020). *Blastocystis hominis*: A pathogenic parasite. *Archives of Clinical Infectious Diseases*, 15(4), 1-6. doi:10.5812/archcid.97388
26. Bahmani, M., Jalilian, A., Salimikia, I., Shahsavari, S., & Abbasi, N. (2020). Phytochemical screening of two Ilam native plants *Ziziphus nummularia* (Burm.f.) Wight & Arn. And *Ziziphus spina-christi* (Mill.) Georgi using HS-SPME and GC-MS spectroscopy. *Plant Science Today*, 7(2), 275-280. doi:10.14719/pst.2020.7.2.714
27. Baram, M. A., Abbasnezhad, A., Ghanadi, K., Anbari, K., Choghakhori, R., & Ahmadvand, H. (2020). Serum Levels of Chemerin, Apelin, and Adiponectin in Relation to Clinical Symptoms, Quality of Life, and Psychological Factors in Irritable Bowel Syndrome. *Journal of Clinical Gastroenterology*, 54(5), E40-E49. doi:10.1097/MCG.0000000000001227
28. Barkabi-Zanjani, S., Ghorbanzadeh, V., Aslani, M., Ghalibafsabbaghi, A., & Chodari, L. (2020). Diabetes mellitus and the impairment of male reproductive function: Possible signaling pathways. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, 14(5), 1307-1314. doi:10.1016/j.dsx.2020.07.031
29. Bazgir, N., Ghaysouri, A., Shakib, P., & Tahmasebi, M. (2020). Phytoconstituents, extraction and analysis of chemical compounds of *Crataegus pontica* K.Koch fruit using HS-SPME and GC-MS methods. *Plant Science Today*, 7(4), 617-622. doi:10.14719/pst.2020.7.4.860
30. Cheraghipour, K., Masoori, L., Ezzatkhah, F., Salimikia, I., Amiri, S., Makenali, A. S., . . . Mahmoudvand, H. (2020). Effect of chitosan on *Toxoplasma gondii* infection: A systematic review. *Parasite Epidemiology and Control*, 11. doi:10.1016/j.parepi.2020.e00189
31. Cheraghipour, K., Masoori, L., Ezzatpour, B., Roozbehani, M., Sheikhian, A., Malekara, V., . . . Mahmoudvand, H. (2020). The Experimental Role of Medicinal Plants in Treatment of *Toxoplasma gondii* Infection: A Systematic Review. *Acta Parasitologica*. doi:10.1007/s11686-020-00300-4
32. Dariushnejad, H., Chodari, L., & Ghorbanzadeh, V. (2020). The combination effect of voluntary exercise and crocin on angiogenic miRNAs in high-fat diet/low-dose STZ-induced type2 diabetes in rats: Mir-126 and miR-210. *Pharmaceutical Sciences*, 26(4), 379-385. doi:10.34172/PS.2020.47
33. Davoodi, F., Raisi, A., Rajabzadeh, A., Hablolvarid, M. H., & Zakian, A. (2020). The effects of verapamil and heparin co-administration on sperm parameters and oxidative stress in

- prevention of testicular torsion/detorsion damage in rats. *Andrologia*, 52(2). doi:10.1111/and.13479
34. Davoodi, F., Taheri, S., Raisi, A., Rajabzadeh, A., Ahmadvand, H., Hablolvarid, M. H., & Zakian, A. (2020). Investigating the sperm parameters, oxidative stress and histopathological effects of salvia miltiorrhiza hydroalcoholic extract in the prevention of testicular ischemia reperfusion damage in rats. *Theriogenology*, 144, 98-106. doi:10.1016/j.theriogenology.2020.01.002
35. Deshpande, A., Miller-Petrie, M. K., Johnson, K. B., Abdoli, A., Abrigo, M. R. M., Adekanmbi, V., . . . Reiner, R. C. (2020). The global distribution of lymphatic filariasis, 2000–18: a geospatial analysis. *The Lancet Global Health*, 8(9), e1186-e1194. doi:10.1016/S2214-109X(20)30286-2
36. Eshrati, B., Mokhayeri, H., Rokni, M. B., Kheirandish, F., Mafi, M., Mokhayeri, A., & Kayedi, M. H. (2020). Seroepidemiology of human fascioliasis in rural and nomad areas of Lorestan Province, western Iran, in 2016 and 2017. *Journal of Parasitic Diseases*, 44(4), 806-812. doi:10.1007/s12639-020-01255-z
37. Esmaeili Gouvarchin Ghaleh, H., Shakarami Gandabeh, Z., Mansouri Motlagh, B., & Sheikhan, A. (2020). Pistacia atlantica gum aqueous extract modulates humoral and cellular immune responses in BALB/c mice. *Turkish Journal of Veterinary and Animal Sciences*, 44, 89-95. doi:10.3906/vet-1908-6
38. Faghihi, F., Hosseini-Chegeni, A., Edalat, H., Banafshi, O., Telmadarrai, Z., & Sedaghat, M. M. (2020). Molecular identification of some Haemaphysalis species (Acari: Ixodidae) using mitochondrial and nuclear evidences in parts of Iran. *Systematic and Applied Acarology*, 25(5), 809-820. doi:10.11158/saa.25.5.3
39. Gandabeh, Z. S., Delirajh, N., Hobbenaghi, R., & Sheikhan, A. (2020). Immunomodulatory effects of betaine on experimental model of asthma in balb/c mice. *Journal of Mazandaran University of Medical Sciences*, 30(184), 1-13.
40. Ghaderpoori, M., Jafari, A., Nazari, E., Rashidipour, M., Nazari, A., Chehelcheraghi, F., . . . Rezaee, R. (2020). Preparation and characterization of loaded paraquat- polymeric chitosan/xanthan/tripolyphosphate nanocapsules and evaluation for controlled release. *Journal of Environmental Health Science and Engineering*, 18(2), 1057-1066. doi:10.1007/s40201-020-00527-3
41. Gholami, M. R., Abbaszadeh, A., Anbari, K., Khaksarian, M., Shabooni, F., Khayat, Z. K., . . . Gharravi, A. M. (2020). Protective effects of honey, Apis mellifera meda skorikov, on ischemia-reperfusion induced muscle injury. *International Journal of Morphology*, 38(3), 804-810. doi:10.4067/S0717-95022020000300804
42. Ghorbanzadeh, V., Jafarpour, A., Pirnia, A., Pajouhi, N., Khaksarian, M., Veiskarami, S., & Nazari, A. (2020). The role of vasopressin V1A and oxytocin OTR receptors in protective effects of arginine vasopressin against H₂O₂-induced oxidative stress in H9C2 cells. *Archives of Physiology and Biochemistry*. doi:10.1080/13813455.2020.1729816
43. Gilavand, F., Marzban, A., Ebrahimipour, G., Soleimani, N., & Goudarzi, M. (2020). Designation of chitosan nano-vaccine based on MxiH antigen of Shigella flexneri with increased immunization capacity. *Carbohydrate Polymers*, 232. doi:10.1016/j.carbpol.2019.115813

44. Goudarzi, G., & Shakib, P. (2020). The occurrence of bla_{ctx-m-15} extended-spectrum β-lactamase among clinical isolates of klebsiella pneumoniae in Khorramabad, Iran. *Infectious Disorders - Drug Targets*, 20(4), 506-510. doi:10.2174/1871526519666191119122059
45. Hasanvand, A., Tavafi, M., Ahmadvand, H., & Tamjidipoor, A. (2020). Effect of dimethyl sulfoxide in combat with gentamicin induced nephrotoxicity in rats. *Journal of Nephropathology*, 9(3). doi:10.34172/jnp.2020.26
46. Hashemzadeh, P., Ghorbanzadeh, V., & Dariushnejad, H. (2020). Predicted peptide-based MHC-I, MHC-II, CTL and B-cell epitopes of MUC-1 by immunoinformatics methods: A clue for novel multi-epitope vaccine development against breast cancer. *Minerva Biotechnologica*, 32(4), 139-142. doi:10.23736/S1120-4826.19.02598-9
47. Hashemzadeh, P., Ghorbanzadeh, V., Lashgarian, H. E., Kheirandish, F., & Dariushnejad, H. (2020). Harnessing Bioinformatic Approaches to Design Novel Multi-epitope Subunit Vaccine Against Leishmania infantum. *International Journal of Peptide Research and Therapeutics*, 26(3), 1417-1428. doi:10.1007/s10989-019-09949-6
48. Hashemzadeh, P., Ghorbanzadeh, V., Valizadeh Otaghsara, S. M., & Dariushnejad, H. (2020). Novel Predicted B-Cell Epitopes of PSMA for Development of Prostate Cancer Vaccine. *International Journal of Peptide Research and Therapeutics*, 26(3), 1523-1525. doi:10.1007/s10989-019-09954-9
49. Hashemzadeh, P., Rouzbahani, A. K., Bandehpour, M., Kheirandish, F., Dariushnejad, H., & Mohamadi, M. (2020). Designing a recombinant multiepitope vaccine against Leishmania donovani based immunoinformatics approaches. *Minerva Biotechnologica*, 32(2), 52-57. doi:10.23736/S1120-4826.20.02610-5
50. Haydari, S., Nazari, A., Moghimian, M., Sedighi, M., & Ghaderpour, S. (2020). Cardioprotective activity of ethanolic extract of Echinophora cinerea against aluminum phosphide poisoning in rats. *Journal of Food Biochemistry*, 44(8). doi:10.1111/jfbc.13300
51. Hematian, A., Sadeghfard, N., Mohebi, R., Taherikalani, M., Nasrolahi, A., Amraei, M., & Ghafourian, S. (2020). Erratum: Traditional and modern cell culture in virus diagnosis (Osong Public Health and Research Perspectives (2016) 7:2 (77-82) DOI: 10.1016/j.phrp.2015.11.011). *Osong Public Health and Research Perspectives*, 11(4), 266. doi:10.24171/j.phrp.2020.11.4.18
52. Hosseini-Chegeni, A., & Kayedi, M. H. (2020). Molecular detection of Coxiella (Gammaproteobacteria: Coxiellaceae) in Argas persicus and Alveonanus canestrinii (Acari: Argasidae) from Iran. *Microbial Pathogenesis*, 139. doi:10.1016/j.micpath.2019.103902
53. Hosseini-Chegeni, A., & Tavakoli, M. (2020). Argas hermanni Audouin (Acari: Argasidae), a new member of Iranian tick fauna. *Persian Journal of Acarology*, 9(2), 173-180. doi:10.22073/pja.v9i2.58653
54. Hosseini-Chegeni, A., Tavakoli, M., Goudarzi, G., Telmadarrai, Z., Sharifdini, M., Faghihi, F., & Ghanbari, M. K. (2020). Molecular detection of anaplasma marginale and Anaplasma ovis (Rickettsiales: Anaplasmataceae) in ixodid tick species in Iran. *Archives of Razi Institute*, 75(1), 39-46. doi:10.22092/ARI.2019.122532.1259
55. Hosseini-Chegeni, A., Tavakoli, M., Telmadarrai, Z., & Faghihi, F. (2020). Molecular detection of spotted fever group rickettsia (Rickettsiales: Rickettsiaceae) in ticks of Iran. *Archives of Razi Institute*, 75(3), 317-325. doi:10.22092/ARI.2019.125746.1317

56. Jafari, A., Ghaderpoori, M., Kamarehi, B., & Shakarami, Z. (2020). Removal of stabilized functionalized CNTs from aqueous solutions using chemical coagulants and *Moringa oleifera* seed extract. *International Journal of Environmental Science and Technology*, 17(2), 777-788. doi:10.1007/s13762-019-02395-3
57. Javanmard, E., Ohari, Y., Sadeghi, A., Cheraghipour, K., Asadzadeh Aghdaei, H., Mirjalali, H., . . . Itagaki, T. (2020). Multigene typing and phylogenetic analysis of *Fasciola* from endemic foci in Iran. *Infection, Genetics and Evolution*, 80. doi:10.1016/j.meegid.2020.104202
58. Karkhane, M., Lashgarian, H. E., Mirzaei, S. Z., Ghaffarizadeh, A., cherghipour, K., Sepahvand, A., & Marzban, A. (2020). Antifungal, antioxidant and photocatalytic activities of zinc nanoparticles synthesized by *Sargassum vulgare* extract. *Biocatalysis and Agricultural Biotechnology*, 29. doi:10.1016/j.bcab.2020.101791
59. Kayedi, M. H., Sepahvand, F., Mostafavi, E., Chinikar, S., Mokhayeri, H., Chegheni Sharafi, A., . . . Moosa Kazemi, S. H. (2020). Morphological and molecular identification of Culicidae mosquitoes (Diptera: Culicidae) in Lorestan province, Western Iran. *Helijon*, 6(8). doi:10.1016/j.helijon.2020.e04480
60. Kazemnejadi, M., Mahmoudi, B., Sharifi, Z., Nasseri, M. A., Allahresani, A., & Esmaeilpour, M. (2020). Copper coordinated-poly(α -amino acid) decorated on magnetite graphene oxide as an efficient heterogeneous magnetically recoverable catalyst for the selective synthesis of 5- and 1-substituted tetrazoles from various sources: A comparative study. *Applied Organometallic Chemistry*, 34(2). doi:10.1002/aoc.5273
61. Kazemnejadi, M., Sharifi, Z., Mahmoudi, B., Zeinali, A., & Nasseri, M. A. (2020). Magnetic Fe–Cr–Ni oxide alloy nano-belts prepared from the chemical decomposition of a stainless steel screw (a top-down approach): an efficient and cheap catalyst for multicomponent reactions. *Journal of the Iranian Chemical Society*, 17(4), 777-787. doi:10.1007/s13738-019-01814-z
62. Keyhani, A., Shakibaie, M., Mahmoudvand, H., Jahanbakhsh, S., Kareshk, A. T., Shojaee, S., & Ziaali, N. (2020). Prophylactic activity of biogenic selenium nanoparticles against chronic toxoplasma gondii infection. *Recent Patents on Anti-Infective Drug Discovery*, 15(1), 75-84. doi:10.2174/1574891X15666200604115001
63. Keyhani, A., Ziaali, N., Shakibaie, M., Kareshk, A. T., Shojaee, S., Asadi-Shekaari, M., . . . Mahmoudvand, H. (2020). Biogenic selenium nanoparticles target chronic toxoplasmosis with minimal cytotoxicity in a mouse model. *Journal of Medical Microbiology*, 69(1), 104-110. doi:10.1099/jmm.0.001111
64. Khaksarian, M., Behzadifar, M., Behzadifar, M., Jahanpanah, F., Guglielmi, O., Garbarino, S., . . . Bragazzi, N. L. (2020). Sleep disturbances rate among medical and allied health professions students in Iran: Implications from a systematic review and meta-analysis of the literature. *International Journal of Environmental Research and Public Health*, 17(3). doi:10.3390/ijerph17031011
65. Khalandi, H., Masoori, L., Farahyar, S., Delbandi, A. A., Raiesi, O., Farzanegan, A., . . . Falahati, M. (2020). Antifungal Activity of Capric Acid, Nystatin, and Fluconazole and Their in Vitro Interactions against *Candida* Isolates from Neonatal Oral Thrush. *Assay and Drug Development Technologies*, 18(4), 195-201. doi:10.1089/adt.2020.971

66. Khammar, A., Yarahmadi, M., & Madadizadeh, F. (2020). What is analysis of covariance (ANCOVA) and how to correctly report its results in medical research? *Iranian Journal of Public Health*, 49(5), 1016-1017. doi:10.18502/ijph.v49i5.3227
67. Khatami, M., Ebrahimi, K., Galehdar, N., Moradi, M. N., & Moayyedkazemi, A. (2020). Green synthesis and characterization of copper nanoparticles and their effects on liver function and hematological parameters in mice. *Turkish Journal of Pharmaceutical Sciences*, 17(4), 412-416. doi:10.4274/tjps.galenos.2019.28000
68. Kheirandish, F., Kayedi, M. H., Mostafavi, E., Hosseini, S. Z., Rouzbahani, A. K., & Hosseini-Chegeni, A. (2020). The first molecular detection of a *Theileria*-like species (Apicomplexa: Piroplasmida) in *Meriones persicus* from western Iran. *Journal of Parasitic Diseases*, 44(1), 180-185. doi:10.1007/s12639-019-01180-w
69. Khorshidi, N., Rahimi, M., & Salimikia, I. (2020). Application of aeration-assisted homogeneous liquid-liquid microextraction procedure using Box-Behnken design for determination of curcumin by HPLC. *Journal of Separation Science*, 43(13), 2513-2520. doi:10.1002/jssc.202000001
70. Kooshki, H., Goudarzi, G., Faghihi, F., Telmadarrai, Z., Edalat, H., & Hosseini-Chegeni, A. (2020). The first record of *Rickettsia hoogstraalii* (Rickettsiales: Rickettsiaceae) from *Argas persicus* (Acari: Argasidae) in Iran. *Systematic and Applied Acarology*, 25(9), 1611-1617. doi:10.11158/saa.25.9.7
71. Lashgarian, H. E., Adamii, V., Ghorbanzadeh, V., Chodari, L., Kamali, F., Akbari, S., & Dariushnejad, H. (2020). Silibinin Inhibit Cell Migration through Downregulation of RAC1 Gene Expression in Highly Metastatic Breast Cancer Cell Line. *Drug Research*, 70(10), 478-483. doi:10.1055/a-1223-1734
72. Lashgarian, H. E., Karkhane, M., Marzban, A., Yazdi, M., & Shahzamani, K. (2020). Emerging Involvement of long non-coding RNAs in gastrointestinal associated inflammatory disorders. *Comparative Immunology, Microbiology and Infectious Diseases*, 69. doi:10.1016/j.cimid.2020.101428
73. Madadizadeh, F., Yarahmadi, M., & Zeraati, H. (2020). Application of hidden markov model to identify disease progression process in medical research. *Iranian Journal of Public Health*, 49(6), 1200-1201. doi:10.18502/ijph.v49i6.3382
74. Mahmoudvand, H., Khaksarian, M., Ebrahimi, K., Shiravand, S., Jahanbakhsh, S., Niazi, M., & Nadri, S. (2020). Antinociceptive effects of green synthesized copper nanoparticles alone or in combination with morphine. *Annals of Medicine and Surgery*, 51, 31-36. doi:10.1016/j.amsu.2019.12.006
75. Mahmoudvand, H., Pakravan, M., Kheirandish, F., Jahanbakhsh, S., Sepahvand, M., Niazi, M., . . . Aflatoonian, M. R. (2020). Efficacy and safety curcuma zedoaria L. To inactivate the hydatid cyst protoscoleces. *Current Clinical Pharmacology*, 15(1), 64-71. doi:10.2174/1574884714666190918155147
76. Mahmoudvand, H., Tavakoli Karesk, A., Nabi Moradi, M., Monzote Fidalgo, L., Mirbadie, S. R., Niazi, M., & Khatami, M. (2020). Efficacy and safety of *Zataria multiflora* boiss essential oil against acute toxoplasmosis in mice. *Iranian Journal of Parasitology*, 15(1), 22-30. doi:10.18502/ijpa.v15i1.2523
77. Mardani, M., Abbasnezhad, A., Ebrahimzadeh, F., Roosta, S., Rezapour, M., & Choghakhor, R. (2020). Assessment of nutritional status and related factors of lactating

- women in the urban and rural areas of southwestern Iran: A population-based cross-sectional study. *International Journal of Community Based Nursing and Midwifery*, 8(1), 73-83. doi:10.30476/IJCBNM.2019.73924.0
78. Mirbadie, S. R., Zivdari, M., Kalani, H., Vafaei, M. R., Izadi, S., Jabalameli, Z., . . . Mohaghegh, M. A. (2020). Molecular identification of *Echinococcus granulosus* sensu lato by mitochondrial COX1 and SSU-rDNA markers in dogs in the west of Iran. *Gene Reports*, 19. doi:10.1016/j.genrep.2020.100616
79. Mohammadrezaei Khorramabadi, R., Anbari, K., Salahshoor, M. R., Alasvand, M., Assadollahi, V., & Gholami, M. (2020). Quercetin postconditioning attenuates gastrocnemius muscle ischemia/reperfusion injury in rats. *Journal of Cellular Physiology*, 235(12), 9876-9883. doi:10.1002/jcp.29801
80. Motlagh, A. A., Dolatian, M., Mojtaba, F., Nasiri, M., Ezatpour, B., Sharifi, N., . . . Mahmoodi, Z. (2020). Comparative examination of the therapeutic deficiency of oral metronidazole plus prangos ferulacea vaginal cream versus oral metronidazole plus placebo vaginal cream in accelerating trichomonas vaginalis infection recovery: A triple-blind clinical trial. *International Journal of Women's Health and Reproduction Sciences*, 8(2), 174-183. doi:10.15296/ijwhr.2020.28
81. Nafari, A., Cheraghipour, K., Sepahvand, M., Shahrokhi, G., Gabal, E., & Mahmoudvand, H. (2020). Nanoparticles: New agents toward treatment of leishmaniasis. *Parasite Epidemiology and Control*, 10. doi:10.1016/j.parepi.2020.e00156
82. Najafi, A., Mahdian, N., Yousefi, B., Karbalaei, M., Kermanjani, A., Ezatpour, B., & Eslami, M. (2020). New vaccine candidates as a scientific solution against the dream of tuberculosis vaccine. *Reviews in Medical Microbiology*, 31(3), 126-134. doi:10.1097/MMR.0000000000000210
83. Narimani, L., Boroujeni, N. B., Gholami, M., Anbari, K., Rafiealavi, S. E., Ahmadi, S. A. Y., & Boroujeni, M. B. (2020). Pre-implantation effects of progesterone administration on ovarian angiogenesis after ovarian stimulation: A histological, hormonal, and molecular analysis. *Jornal Brasileiro de Reproducao Assistida*, 24(3), 289-295. doi:10.5935/1518-0557.20190076
84. Nasri, M., Mahdavifard, S., Babaeenezhad, E., Adibhesami, G., Nouryazdan, N., Veiskarami, S., . . . Ahmadvand, H. (2020). Ameliorative effects of histidine on oxidative stress, tumor necrosis factor alpha (TNF- α), and renal histological alterations in streptozotocin/nicotinamide-induced type 2 diabetic rats. *Iranian Journal of Basic Medical Sciences*, 23(6), 714-723. doi:10.22038/IJBMS.2020.38553.9148
85. Nazari, A., & Chehelcheraghi, F. (2020). Using Apelin and exercise to protect the cardiac cells: Synergic effect in ischemia reperfusion injuries treatment in rats. *Bratislava Medical Journal*, 121(1), 14-21. doi:10.4149/BLL_2020_003
86. Nemati, A., Assadollahi, V., Peluso, I., Abbaszadeh, A., Beigi-Boroujeni, M., Khanipur, Z., & Gholami, M. (2020). A Stereological Study of the Toxic Effects of Cerium Oxide during Pregnancy on Kidney Tissues in Neonatal NMRI Mice. *Oxidative Medicine and Cellular Longevity*, 2020. doi:10.1155/2020/9132724
87. Nemati, A., Farhadi, A., Jalili, C., & Gholami, M. (2020). The Effect of Cerium Oxide During Pregnancy on the Development of the Testicular Tissue of Newborn NMRI Mice. *Biological Trace Element Research*, 195(1), 196-204. doi:10.1007/s12011-019-01836-x

88. Nori-Garavand, R., Hormozi, M., Narimani, L., Beigi Boroujeni, N., Rajabzadeh, A., Zarei, L., . . . Beigi Boroujeni, M. (2020). Effect of Selenium on Expression of Apoptosis-Related Genes in Cryomedia of Mice Ovary after Vitrification. *BioMed Research International*, 2020. doi:10.1155/2020/5389731
89. Pirnia, A., Assadollahi, V., Alasvand, M., Moghadam, A., & Gholami, M. R. (2020). A comparison of the effects of fetal bovine serum and newborn calf serum on cell growth and maintenance of cryopreserved mouse spermatogonial stem cells. *Molecular Biology Reports*, 47(12), 9609-9614. doi:10.1007/s11033-020-06004-2
90. Rahimi-Madiseh, M., Mohammadi, M., Hassanvand, A., Ahmadi, R., Shahmohammadi, M., & Rostamzadeh, A. (2020). Assessment of the toxicity effects of nicotine on sperm and IVF and the potential protective role of silymarin—an experimental study in mice. *Middle East Fertility Society Journal*, 25(1). doi:10.1186/s43043-020-00025-4
91. Ramazanzadeh, R., Shakib, P., Rouhi, S., Mohammadi, B., Mohajeri, P., & Borji, S. (2020). Molecular epidemiology of Mycobacterium tuberculosis isolates in Iran using spoligotyping. *New Microbes and New Infections*, 38. doi:10.1016/j_nmni.2020.100767
92. Rouhi, S., Ramazanzadeh, R., Mohammadi, S., Abodollahi, A., Shakib, P., Mohammadi, B., & Ahmadi, A. (2020). Antibacterial effects of artemisa aucheri leaf and spirulina blue-green algae aqueous and alcoholic extracts on the multidrug-resistant klebsiella pneumoniae isolated from the patients with pneumonia. *Scientific Journal of Kurdistan University of Medical Sciences*, 25(4), 124-139.
93. Saberi, R., Seifi, Z., Dodangeh, S., Najafi, A., Abdollah Hosseini, S., Anvari, D., . . . Niyyati, M. (2020). A systematic literature review and meta-analysis on the global prevalence of Naegleria spp. in water sources. *Transboundary and Emerging Diseases*, 67(6), 2389-2402. doi:10.1111/tbed.13635
94. Salimikia, I., Bahmani, M., Abbaszadeh, S., Rafieian-Kopaei, M., & Nazer, M. R. (2020). Campylobacter: A review of new promising remedies with medicinal plants and natural antioxidants. *Mini-Reviews in Medicinal Chemistry*, 20(15), 1462-1474. doi:10.2174/1389557520666200117141641
95. Sattari, S., Tehrani, A. D., Adeli, M., Soleimani, K., & Rashidipour, M. (2020). Fabrication of new generation of co-delivery systems based on graphene-g-cyclodextrin/chitosan nanofiber. *International Journal of Biological Macromolecules*, 156, 1126-1134. doi:10.1016/j.ijbiomac.2019.11.144
96. Sepahvand, A., Salim, K., Hoseinzadeh, E., Jafari, K., & Khorramabadi, R. M. (2020). Indoor and Outdoor Air Fungus Bioaerosols in Khorramabad Day Care Child Centers Western of Iran, 2018. *Journal of Environmental Health and Sustainable Development*, 5(3), 1077-1090. doi:10.18502/jehsd.v5i3.4279
97. Shahhosseini, N., Moosa-Kazemi, S. H., Sedaghat, M. M., Wong, G., Chinikar, S., Hajivand, Z., . . . Kayedi, M. H. (2020). Autochthonous Transmission of West Nile Virus by a New Vector in Iran, Vector-Host Interaction Modeling and Virulence Gene Determinants. *Viruses*, 12(12). doi:10.3390/v12121449
98. Shakib, P., Choolandaimy, Z. B., Rezaie, F., Bahmani, M., & Delfani, S. (2020). Systematic review and meta-analysis of carbapenem resistance of acinetobacter Baumannii in Iran. *Infectious Disorders - Drug Targets*, 20(5), 611-619. doi:10.2174/1871526519666190930104715

99. Shakibaie, M., Ezzatkah, F., Gabal, E., Badparva, E., Jahanbakhsh, S., & Mahmoudvand, H. (2020). Prophylactic effects of biogenic selenium nanoparticles on acute toxoplasmosis: An in vivo study. *Annals of Medicine and Surgery*, 54, 85-88.
doi:10.1016/j.amsu.2020.04.010
100. Soleimanifard, M., Sadeghi Mahoonak, A., Ghorbani, M., Heidari, R., & Sepahvand, A. (2020). The formulation optimization and properties of novel oleuropein-loaded nanocarriers. *Journal of Food Science and Technology*, 57(1), 327-337.
doi:10.1007/s13197-019-04065-1
101. Tavafi, M., Ahmadvand, H., Tamjidipour, A., & Hasanvand, A. (2020). Rosmarinic acid ameliorates renal ischemia reperfusion damage in rats. *Journal of Nephropharmacology*, 9(2). doi:10.34172/npj.2020.15
102. Yarahmadi, M., Hashemi, S. J., Sepahvand, A., Shahsavani, A., Dai Ghazvini, R., Rezaie, S., . . . Ahmadikia, K. (2020). Evaluation of phenotypes and genotypes of airborne Fungi during middle eastern dust storms. *Journal of Environmental Health Science and Engineering*, 18(1), 11-20. doi:10.1007/s40201-019-00428-0
103. Zal, F., Yarahmadi, A., Totonchi, H., Barazesh, M., & Moradi Sarabi, M. (2020). Nicotine attenuates global genomic DNA methylation by influencing DNMTs gene expression in human endometrial stromal cells. *Genes and Environment*, 42(1).
doi:10.1186/s41021-020-0144-5