Saman Sargazi, PhD

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- Google Scholar H-Index: 22
- Google Scholar Citations: 1825 (updated 10/1/2023)
- Total Number of Peer-Reviewed Publications: 130 (updated 10/1/2023)
- Google Scholar profile: https://scholar.google.com/citations?user=uJthHx0AAAAJ&hl=en&oi=ao
- Web of Science Researcher ID: Y-7793-2019
- Scopus Author Identifier: 57201953828
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EXPERIENCE

➢ **Full-time Research Assistant** Apr 2019 - Present

Zahedan University of Medical Sciences, Zahedan

➢ **Senior Lecturer** Sep 2015 – March 2017

Islamic Azad University, Zahedan Branch, Zahedan, Iran

EDUCATION

Doctor of Philosophy (Ph.D.) - Clinical Biochemistry (GPA=4/4)
Feb 2015 - Nov 2018
Shahid Sadoughi University of Medical Sciences, Yazd, Iran

Master of Science (M.S.) - Clinical Biochemistry (GPA=4/4)
Sep 2012 - Jan 2015
Ferdowsi University of Mashhad, Mashhad, Iran

Bachelor of Science (B.S.) - Cellular and Molecular Biology (GPA=4/4**)**
Feb 2008 - Jul 2012
University of Sistan and Balouchestan, Zahedan, Iran

SKILLS

Teaching Skills

- Profound understanding and up-to-date knowledge of Biochemistry.
- Ability to convey complex concepts clearly and engagingly.
- Strong rapport-building abilities with diverse student populations.
- Proficiency in lesson planning, student assessment, and use of educational technologies.

Research Skills

- Proficiency in Polymerase Chain Reaction (PCR) and real-time PCR.
- Expertise in primer design and DNA & RNA Isolation.
- Proficient in Enzyme-linked Immunosorbent Assay (ELISA) and Flow Cytometry.
- Experienced in Western Blotting and Gel Electrophoresis.

- Skilled in Cell Culture, Tissue Homogenization, and Tissue Staining.
- Proficiency in Spectrophotometry and Molecular Docking.
- Competent in animal handling.
- Skilled in Dynamic Light Scattering (DLS) and Nanoparticle Synthesis.
- Proficient in using software tools like SPSS, GraphPad Prism, CompuSyn, and Gene Runner.
- Working knowledge of Fourier-Transform Infrared Spectroscopy (FTIR) and X-ray Powder Diffraction (XRD).
- Intermediate skills in Electron Microscopy (TEM and SEM).
- Proficient in basic computational biology techniques.

LICENSES & CERTIFICATIONS

Medical Laboratory Scientist 2020
Medical Council of the Islamic Republic of Iran - L-4724

HONORS & AWARDS

The best young biochemistry researcher (under 35 years old) 2022
Biochemical Society of Iran

Top researcher 2022
Zahedan University of Medical Sciences

Top researcher 2021
Zahedan University of Medical Sciences

The best young researcher (under 35 years old) 2020
Zahedan University of Medical Sciences

The best young researcher (under 35 years old) 2019
Zahedan University of Medical Sciences

PUBLICATIONS

1. Protective effect of tert butyl hydroquinone on diazinon-induced oxidative stress in brain and heart of male rats. **Sargazi S**, Moghadam-Jafari A, Heidarpour M. *Zahedan Journal of Research in Medical Sciences*. 2016;18(6).
2. Tert-butylhydroquinone (TBHQ) improves antioxidant status in rat tissues following chronic diazinon intoxication. **Sargazi S**, Moghadam Jafari A, Heydarpour M. *Iranian Journal of Veterinary Science and Technology. 2015 Mar 3;6(2):42-52.*
3. Association study of SREBF-2 gene polymorphisms and the risk of type 2 diabetes in a sample of Iranian population. *Galavi H, Noorzehi* N, Saravani R, **Sargazi S**, et al.. *Gene*. 2018 Jun 20;660:145-50.
4. Genetic polymorphism in ADRB-1 is associated with type 2 diabetes susceptibility in Iranian population. Galavi H, Noorzehi N, Saravani R, **Sargazi S**, et al. *Gene Reports*. 2018 Sep 1;12:171-4.
5. Evaluation of attenuative effect of tert-butylhydroquinone against diazinon-induced oxidative stress on hematological indices in male Wistar rats. **Sargazi S**, Galavi H, Zarei S. *Biomedical reports.* 2018 Jun 1;8(6):565-70.

6. Novel Poly (ADP-Ribose) Polymerase Inhibitor AZD2461 Combined with Valproic Acid Exerts Mild Antagonistic Effects in Hela Cells. **Sargazi S**, Saravani R, Zavar Reza J, et al. *Gene, Cell and Tissue*. 2018;5(3).
7. Effect of Levisticum officinale Hydroalcoholic Extract on DU-145 and PC-3 Prostate Cancer Cell Lines. **Sargazi S**, Saravani R, Galavi H, et al. *Gene, Cell and Tissue*. 2017 Oct;4(4).
8. PARP Inhibitors and DNA Repair: A Novel Beneficial Approach for Targeting Synthetic Lethal Tumor Cells. Saravani R, **Sargazi S**, Galavi HR, et al. *Gene, Cell and Tissue*. 2017;4(3).
9. Novel poly (adenosine diphosphate-ribose) polymerase (PARP) inhibitor, AZD2461, down-regulates VEGF and induces apoptosis in prostate cancer cells. **Sargazi S**, Saravani R, Zavar Reza J, et al. *Iranian biomedical journal.* 2019 May; 23(5); 18:0-.
10. HHEX gene polymorphisms and type 2 diabetes mellitus: A case-control report from Iran. Galavi H, Mollashahee-Kohkan F, Saravani R, **Sargazi** S, et al. *Journal of Cellular Biochemistry*. 2019 Oct;120(10):16445-51.
11. Association of KIF26B and COL4A4 gene polymorphisms with the risk of keratoconus in a sample of Iranian population. **Sargazi S**, Moudi M, Nia MH, et al. *International ophthalmology*. 2019 Nov;39(11):2621-8.
12. Levisticum Officinale Extract Triggers Apoptosis and Down-Regulates ZNF703 Gene Expression in Breast Cancer Cell Lines. Mollashahee-Kohkan F, Saravani R, Khalili T, et al. *Reports of Biochemistry and Molecular Biology*: 2019 Jul;8(2):119.
13. Mild antagonistic effect of Valproic acid in combination with AZD2461 in MCF-7 breast cancer cells. **Sargazi S**, Kooshkaki O, Zavar Reza J, et al. *Medical Journal of The Islamic Republic of Iran (MJIRI)*. 2019 Feb 15;33(1):175-80.
14. Induction of apoptosis and modulation of homologous recombination DNA repair pathway in prostate cancer cells by the combination of AZD2461 and valproic acid. **Sargazi S**, Saravani R, Reza JZ, et al. *EXCLI Journal*. 2019 Jul 8;18:485-98.
15. Effects of carfilzomib alone and in combination with cisplatin on the cell death in cisplatin-sensitive and cisplatin-resistant ovarian carcinoma cell lines. Zarei S, Reza JZ, Jaliani HZ, Hajizadeh MR, et al. *Bratislavske lekarske listy*. 2019 Jan 1;120(6):468-75.
16. Relationship between Single Nucleotide Polymorphisms of GRHL3 and Schizophrenia Susceptibility: A Preliminary Case-Control Study and Bioinformatics Analysis. **Sargazi S**, Nia MH, Sheervalilou R, et al. *International journal of molecular and cellular medicine*. 2020;9(2):154.
17. Relationship between GABRB2 gene polymorphisms and schizophrenia susceptibility: A case-control study and in silico analyses. Heidari Nia M, **Sargazi S**, Saravani R, et al. *International Journal of Neuroscience*. 2020 Oct 8:1-0.
18. SNPs in the 3'-untranslated region of SLC30A8 confer risk of type 2 diabetes mellitus in a south-east Iranian population: Evidences from case-control and bioinformatics studies. **Sargazi S**, Nia MH, Sargazi FM, et al. *Journal of Diabetes & Metabolic Disorders.* 2020 Jul 21:1-0.
19. Association of VEGFA gene polymorphisms with susceptibility to non-Hodgkin's lymphoma: Evidences from population-based and in silico studies. Mashhadi MA, Arbabi N, **Sargazi S**, et al. *Gene Reports*. 2020 Sep 1;20:100696.
20. Functional miR29a gene polymorphism enhanced the risk of chronic kidney disease in an Iranian population: A preliminary case-control study and bioinformatics analyses. Sargazi FM, Alidadi A, Taheri H, et al. *Meta Gene*. 2020 Sep 1;25:100755.
21. Recent Advances in Nanotechnology-Based Diagnosis and Treatments of Human Osteosarcoma. Barani M, Mukhtar M, Rahdar A, **Sargazi S**, et al. *Biosensors*. 2021 Feb;11(2):55.
22. Silencing of nucleostemin by siRNA induces apoptosis in MCF-7 and MDA-MB-468 cell lines. Moudi M, Saravani R, **Sargazi S**. *Iranian Journal of Pharmaceutical Research.* 2020;19(1):37.
23. Association of a Novel KIF26B Gene Polymorphism with Susceptibility to Schizophrenia and Breast Cancer: A Case-Control Study. **Sargazi S**, Nia MH, Mirinejad S, et al. *Iranian Journal of Public Health*. 2021 Feb;50(2):397.
24. Achillea Wilhelmsii C. KochHydroalcoholic Extract Induces Apoptosis and Alters LIN28B and p53 Gene Expression in Hela Cervical Cancer Cells. Rezai M, Saravani R, **Sargazi S**, et al. *Reports of biochemistry & molecular biology*. 2019 Oct;8(3):318.

25. Association of IL-1Ra ser133ser variant with susceptibility to immune-mediated and inflammatory diseases: A meta-analysis of 2622 cases and 3854 controls. Harati-Sadegh M, **Sargazi S**, Sheervalilou R, et al. *Iranian Journal of Public Health*. 2020;49(12):2320-9.
26. IGF2BP2 polymorphisms as genetic biomarkers for either schizophrenia or type 2 diabetes mellitus: A case-control study. **Sargazi S**, Nia MH, Saravani R, et al. *Gene Reports*. 2020 Sep 1;20:100680.
27. Hydro-alcoholic Extract of Achillea Wilhelmsii C. Koch Reduces the Expression of Cell Death-Associated Genes while Inducing DNA Damage in HeLa Cervical Cancer Cells. **Sargazi S**, Moudi M, Kooshkaki O, et al. *Iranian Journal of Medical Sciences*. 2020 Sep;45(5):359.
28. Impact of proliferator-activated receptor γ gene polymorphisms on risk of schizophrenia: A case-control study and computational analyses. **Sargazi S**, Sargazi FM, Moudi M, et al. *Iranian Journal of Psychiatry*. 2020 Oct;15(4):286.
29. Polymorphism in the 3'-UTR of LIF but Not in the ATF6B Gene Associates with Schizophrenia Susceptibility: a Case-Control Study and In Silico Analyses. Moudi M, **Sargazi S**, Heidari Nia M, et al. *Journal of Molecular Neuroscience*. 2020 Dec;70:2093-101.
30. Newly crocin-coated magnetite nanoparticles induce apoptosis and decrease VEGF expression in breast carcinoma cells. Saravani R, **Sargazi S**, Saravani R, et al. *Journal of Drug Delivery Science and Technology*. 2020 Dec 1;60:101987.
31. Quantitative Assessment of the Effects of IL-1ß-511 C> T Variant on Breast Cancer Risk: An Updated Meta-Analysis of 3331 Cases and 3609 Controls. Harati-Sadegh M, Mohammadoo-Khorasani M, **Sargazi S**, et al. *Laboratory medicine*. 2021 Jan;52(1):36-46.
32. Assessment of SnFe2O4 Nanoparticles for Potential Application in Theranostics: Synthesis, Characterization, In Vitro, and In Vivo Toxicity. **Sargazi S**, Hajinezhad MR, Rahdar A, et al. *Materials*. 2021 Jan;14(4):825.
33. Lignin-Stabilized Doxorubicin Microemulsions: Synthesis, Physical Characterization, and In Vitro Assessments. Rahdar A, **Sargazi S**, Barani M, et al. *Polymers*. 2021 Jan;13(4):641.
34. Association between common variants in vitamin D receptor gene and susceptibility to Non-Hodgkin's lymphoma: a case-control study. Mashhadi MA, Arbabi N, Sepehri Rad N, et al. *Nucleosides, Nucleotides & Nucleic Acids*. 2021 Jan; 40(3); 3:1-2.
35. SIRT1 functional polymorphisms (rs12778366, rs3758391) as genetic biomarkers of susceptibility to type 2 diabetes mellitus in Iranians: a case-control study and computational analysis. Sadeghi MB, Nakhaee A, Saravani R, et al. *International Journal of Diabetes in Developing Countries*. 2021 Jan 7:1-9.
36. Relationship between common interleukin 1-beta gene polymorphisms and the risk of gestational disorders: An updated meta-analysis. Harati-Sadegh M, **Sargazi S**, Taheri H, et al. *Medical Journal of the Islamic Republic of Iran (MJIRI)*. 2021 Jan 10;35(1):178-87.
37. Functional miR143/145 Cluster Variants and Haplotypes Are Associated with Chronic Kidney Disease: a Preliminary Case-Control Study and Computational Analyses. **Sargazi S**, Nia MH, Sargazi FM, et al. *Applied Biochemistry and Biotechnology*. 2021 Jan 23:1-3.
38. Significant association of LXRβ (NR1H2) polymorphisms (rs28514894, rs2303044) with type 2 diabetes mellitus and laboratory characteristics. Sadeghi MB, Nakhaee A, Saravani R, et al. *Journal of Diabetes & Metabolic Disorders*. 2021 Jan 27:1-0.
39. Deferasirox-loaded pluronic nanomicelles: Synthesis, characterization, in vitro and in vivo studies. Rahdar A, Hajinezhad MR, **Sargazi S**, et al. *Journal of Molecular Liquids*. 2021 Feb 1;323:114605.
40. Biochemical, Ameliorative and Cytotoxic Effects of Newly Synthesized Curcumin Microemulsions: Evidence from In Vitro and In Vivo Studies. Rahdar A, Hajinezhad MR, **Sargazi S**, et al. *Nanomaterials*. 2021 Mar;11(3):817.
41. Application of Nanobiotechnology for Early Diagnosis of SARS-CoV-2 Infection in the COVID-19 Pandemic. Sheervalilou R, Shirvaliloo M, **Sargazi S**, et al. *Applied Microbiology and Biotechnology*. 2021 Mar 12:1-0.
42. Nanotechnology for inflammatory bowel disease management: Detection, imaging and treatment. Barani M, Rahdar A, **Sargazi S**, et al. *Sensing and Bio-Sensing Research*. 2021 Mar 23:100417.

43. Functional miR29a polymorphism is associated with protection against recurrent spontaneous abortion: A case-control study and bioinformatics analysis. Salimi S, **Sargazi S**, Abghari AZ, et al. *Gene Reports*. 2021 Mar 26:101108.
44. Biochemical effects of deferasirox and deferasirox-loaded nanomicellesin iron-intoxicated rats. Rahdar A, Hajinezhad MR, **Sargazi S**, et al. *Life Sciences*. 2021 Apr 1;270:119146.
45. Multi-Functionalized Nanomaterials and Nanoparticles for Diagnosis and Treatment of Retinoblastoma. Arshad R, Barani M, Rahdar A, et al. *Biosensors*. 2021 Apr;11(4):97.
46. Recent advances in iron oxide nanoparticles for brain cancer theranostics: from in vitro to clinical applications. Sheervalilou R, Shirvaliloo M, **Sargazi S**, et al. *Expert Opinion on Drug Delivery*. 2021 Jul 3.
47. Carfilzomib induces drug resistance in A2780 ovarian cancer cells through p53-dependent and caspase-3 independent pathways. Zarei S, Zavar Reza J, Zarei Jaliani H, et al. *Journal of Applied Biotechnology Reports*. 2019 Jun 30;6(2):45-9.
48. Molybdenum Cofactor Biology and Disorders Related to Its Deficiency; A Review Study. Ghasemzadeh N, Karimi-Nazari E, Yaghoubi F, et al. *Journal of Nutrition and Food Security*. 2019 Aug 10;4(3):206-17.
49. Association of two methylenetetrahydrofolate reductase polymorphisms (rs1801133, rs1801131) with the risk of type 2 diabetes in South-East of Iran. Poodineh M, Saravani R, Mirhosseini M, et al. *Reports of biochemistry & molecular biology*. 2019 Jul;8(2):178.
50. An Updated Review of Methods, Challenges, and Future Perspectives of Circulating Tumor Cell Isolation: Focusing on the Use of Nanomaterials. **Sargazi S**, Saravani R. *Gene, Cell and Tissue*. 2020 Apr 30;7(2).
51. F127/Cisplatin Microemulsions: In Vitro, In Vivo and Computational Studies. **Sargazi S**, Hajinezhad MR, Barani M, et al. *Applied Sciences*. 2021 Jan;11(7):3006.
52. Convalescent blood: current perspective on the efficacy of a legacy approach in COVID-19 treatment. Sheervalilou R, Shirvaliloo M, **Sargazi S**, et al. *Blood purification*. 2022;51(1):1-4.
53. The role of autophagy in controlling of SARS-CoV-2 infection: An overview on virophagy-mediated of molecular drug targets. **Sargazi S**, Sheervalilou R, Rokni M, et al. *Cell Biology International*. 2021 Apr 5.
54. Relationship between Functional miR-143/145 Cluster Variants and Susceptibility to Type 2 Diabetes Mellitus: A Preliminary Case-Control Study and Bioinformatics Analyses. Danial Jahantigh, Fariba Mirani Sargazi, S**aman Sargazi**, et al. Endocrine Research. 2021 Apr 17.
55. 8-Alkylmercaptocaffeine derivatives: antioxidant, molecular docking, and in-vitro cytotoxicity studies. **Sargazi S**, Shahraki S, Shahraki O, et al. *Bioorganic Chemistry*. 2021 Jun 1;111:104900.
56. Relationship between miR-143/145 cluster variations and cancer risk: proof from a Meta-analysis. Harati-Sadegh M, **Sargazi S**, Saravani M, et al. *Nucleosides, Nucleotides & Nucleic Acids*. 2021 Apr 1;40(5):578-91.
57. IL1A and IL1B gene polymorphisms and keratoconus susceptibility: evidence from an updated meta-analysis. Harati-Sadegh M, **Sargazi S**, Khorasani M, et al. *Ophthalmic Genetics*. 2021 May 13:1-1.
58. Implications of autophagy and apoptosis in tumorgenesis; Possible alterations in autophagy through engineered nanomaterials and their importance in cancer therapy. Ghaznavi H, Shirvaliloo M, Zarebkohan A, et al. *Molecular Pharmacology*. 2021 Jan 1.
59. Application of Nanotechnology for Sensitive Detection of Low-Abundance Single-Nucleotide Variations in Genomic DNA: A Review. Mukhtar M, **Sargazi S**, Barani M, et al. *Nanomaterials*. 2021 Jun;11(6):1384.
60. Synthesis, characterization, toxicity and morphology assessments of newly prepared microemulsion systems for delivery of valproic acid. **Sargazi S**, Hajinezhad MR, Barani M, et al. *Journal of Molecular Liquids*. 2021 Sep 15;338:116625.
61. CoNiZn and CoNiFe Nanoparticles: Synthesis, Physical Characterization, and In Vitro Cytotoxicity Evaluations. Alikhanzadeh-Arani S, Almasi-Kashi M, **Sargazi S**, et al. *Applied Sciences*. 2021 Jan;11(12):5339.

62. Pluronic F127/Doxorubicin microemulsions: Preparation, characterization, and toxicity evaluations. Rahdar A, Hajinezhad MR, Barani M, et al. *Journal of Molecular Liquids*. 2021 Jul 24:117028.
63. Application of nanoparticles in cancer therapy with an emphasis on cell cycle. Almanghadim HG, Nourollahzadeh Z, Khademi NS, et al. *Cell Biology International*. 2021 Jul 7.
64. Genetic variants of HOTAIR are associated with susceptibility to recurrent spontaneous abortion: A preliminary case–control study. Salimi S, **Sargazi S**, Heidari Nia M, et al. *Journal of Obstetrics and Gynaecology Research*. 2021 Aug 15.
65. Relationship Between CASP9 and CASP10 Gene Polymorphisms and Cancer Susceptibility: Evidence from an Updated Meta-analysis. **Sargazi S**, Abghari AZ, Sarani H, et al. *Applied Biochemistry and Biotechnology*. 2021 Aug 31:1-25.
66. Relationship between P2XR4 Gene Variants and the Risk of Schizophrenia in South-East of Iran: A Preliminary Case-Control Study and in Silico Analysis. Nia MH, Shahroudi MJ, Saravani R, et al. *Iranian Journal of Public Health*. 2021 Apr 30;50(5):978-89.
67. Simulation, in vitro, and in vivo cytotoxicity assessments of methotrexate-loaded pH-responsive nanocarriers. Barani M, Reza Hajinezhad M, **Sargazi S**, et al. *Polymers*. 2021 Jan;13(18):3153.
68. Active targeted nanoparticles for delivery of poly (ADP-ribose) polymerase (PARP) inhibitors: a preliminary review. **Sargazi S**, Mukhtar M, Rahdar A, et al. *International Journal of Molecular Sciences*. 2021 Jan;22(19):10319.
69. Barani M, **Sargazi S**, Mohammadzadeh V, Rahdar A, Pandey S, Jha NK, Gupta PK, Thakur VK. Theranostic Advances of Bionanomaterials against Gestational Diabetes Mellitus: A Preliminary Review. Journal of Functional Biomaterials. 2021 Dec;12(4):54.
70. Nanomaterials in the management of gram-negative bacterial infections. Barani M, Zeeshan M, Kalantar-Neyestanaki D, et al. *Nanomaterials*. 2021 Oct;11(10):2535.
71. Evaluation of Diagnostic Modalities for SARS-Cov-2: A Review Study. Sheervalilou R, Ahmadzadeh J, Alavi S, et al. *International Journal of Epidemiologic Research*. 2021 Sep 29:129-37.
72. CoNi alloy nanoparticles for cancer theranostics: synthesis, physical characterization, in vitro and in vivo studies. **Sargazi S**, Hajinezhad MR, Rahdar A, et al. *Applied Physics A*. 2021 Oct;127(10):1-2.
73. Prevalence of miR146a Gene Polymorphisms in Diabetic and Non-diabetic Patients with Chronic Kidney Disease. Sargazi S, Mollashahi B, **Sargazi S,** et al. *Iranian Journal of Science and Technology, Transactions A: Science*. 2021 Oct 11:1-1.
74. New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases. Qindeel M, Sabir F, **Sargazi S**, et al. *Journal of Nanoparticle Research*. 2021 Nov;23(11):1-27.
75. Amino acids, peptides, and proteins: Implications for nanotechnological applications in biosensing and drug/gene delivery. Er S, Laraib U, Arshad R, et al. *Nanomaterials*. 2021 Nov;11(11):3002.
76. Association of polymorphisms in tumor necrosis factors with SARS-CoV-2 infection and mortality rate: a case-control study and in silico analyses. Nia MH, Rokni M, Mirinejad S, et al. *Journal of medical virology*. 2021 Nov 25.
77. In vitro and in vivo anticancer effect of pH-responsive paclitaxel-loaded niosomes. Barani M, Hajinezhad MR, **Sargazi S**, et al. *Journal of Materials Science: Materials in Medicine*. 2021 Dec;32(12):1-3.
78. Pluronic F127/carfilzomib-based nanomicelles as promising nanocarriers: synthesis, characterization, biological, and in silico evaluations. Rahdar A, Hajinezhad MR, **Sargazi S**, et al. *Journal of Molecular Liquids*. 2021 Dec 7:118271.
79. Nanotechnology-based approaches for effective detection of tumor markers: A comprehensive state-of-the-art review. Laraib U, **Sargazi S**, Rahdar A, et al. *International Journal of Biological Macromolecules*. 2021 Dec 14.
80. Novel Perspectives towards RNA-Based Nano-Theranostic Approaches for Cancer Management. Arshad R, Fatima I, **Sargazi S**, et al. *Nanomaterials*. 2021 Dec;11(12):3330.
81. Quantum Dots: Synthesis, Antibody Conjugation, and HER2-Receptor Targeting for Breast Cancer Therapy. Fatima I, Rahdar A, **Sargazi S**, et al. *J. Functional Biomaterials*. 2021 Dec.

82. New insights into the importance of long non-coding RNAs in lung cancer: future clinical approaches. Ghahramani Almanghadim H, Ghorbian S, et al. *DNA and Cell Biology*. 2021 Dec 1;40(12):1476-94.
83. Porphyrin-Based Nanostructures for Cancer Theranostics: Chemistry, Fundamentals and Recent Advances. Qindeel M, **Sargazi S**, Hosseinikhah SM, et al. *ChemistrySelect*. 2021 Dec 27;6(48):14082-99.
84. Epidemiology, Transmission, Clinical Features, Diagnosis, Treatment, and Prevention of COVID19: An Updated Review. Majidpour M, Abqari AZ, Robat-Jazi B, et al. *Journal of Shahid Sadoughi University of Medical Sciences*. 2021.
85. Opportunities and challenges of using high-sensitivity nanobiosensors to detect long noncoding RNAs: A preliminary review. **Sargazi S**, Mukhtar M, Rahdar A, et al. *International Journal of Biological Macromolecules*. 2022 Feb 16.
86. The effects of lycopene supplementation on insulin-like growth factor-1 and insulin-like growth factor binding proteins: A systematic review of randomized controlled trials. Meshkini F, Ramezani-Jolfaie N, **Sargazi S**, et al. *Phytotherapy Research*. 2022 Feb 22.
87. Fluorescent-based nanosensors for selective detection of a wide range of biological macromolecules: A comprehensive review. **Sargazi S**, Fatima I, Kiani MH, et al. *International Journal of Biological Macromolecules*. 2022 May 1;206:115-47.
88. Association of Polymorphisms within HOX Transcript Antisense RNA (HOTAIR) with Type 2 Diabetes Mellitus and Laboratory Characteristics: A Preliminary Case-Control Study. **Sargazi S**, Ravanbakhsh M, Nia MH, et al. *Disease Markers*. 2022 Mar 22;2022.
89. SARS-CoV-2 and Influenza Viruses: Strategies to Cope with Co-infection and Bioinformatics Perspective. Ghaznavi H, Shirvaliloo M, **Sargazi S**, et al. *Cell Biology International*. 2022 Mar 24.
90. Recent trends in the mesoporous silica nanoparticles with rode-like morphology for cancer theranostics: A review. **Sargazi S**, Laraib U, Barani M, et al. *Journal of Molecular Structure*. 2022 Mar 25:132922.
91. Nano-immunotherapeutic strategies for targeted RNA delivery: Emphasizing the role of monocyte/macrophages as nanovehicles to treat glioblastoma multiforme. Manicum AL, **Sargazi S**, Razzaq S, et al. *Journal of Drug Delivery Science and Technology.* 2022 Mar 27:103288.
92. Application of Green Gold Nanoparticles in Cancer Therapy and Diagnosis. **Sargazi S**, Laraib U, Er S, et al. *Nanomaterials*. 2022 Mar 27;12(7):1102.
93. Can nanomaterials support the diagnosis and treatment of human infertility? A preliminary review. **Sargazi S**, Ahmadi Z, Barani M, et al. *Life Sciences*. 2022 Apr 5:120539.
94. Association of TMPRSS2 Gene Polymorphisms with COVID-19 Severity and Mortality: a Case-Control Study with Computational Analyses. Rokni M, Heidari Nia M, Sarhadi M, et al. *Applied Biochemistry and Biotechnology*. 2022 Apr 7:1-20.
95. Chitosan nanocarriers for microRNA delivery and detection: A preliminary review with emphasis on cancer. **Sargazi S,** Siddiqui B, Qindeel M, et al. *Carbohydrate Polymers*. 2022 Apr 18:119489.
96. Long noncoding RNA HOTAIR polymorphisms and susceptibility to bipolar disorder: a preliminary case–control study. **Sargazi S**, Zahedi Abghari A, Mirinejad S, et al. *Nucleosides, Nucleotides & Nucleic Acids*. 2022 Apr 12:1-8.
97. Association of Polymorphisms in miR146a, an Inflammation-Associated MicroRNA, with the Risk of Idiopathic Recurrent Spontaneous Miscarriage: A Case-Control Study. Salimi S, **Sargazi S**, Mollashahi B, et al. *Disease Markers*. 2022 Apr 30;2022.
98. Aptamer-conjugated carbon-based nanomaterials for cancer and bacteria theranostics: A review. **Sargazi S**, Simge ER, Mobashar A, et al. *Chemico-Biological Interactions*. 2022 Jul 1;361:109964.
99. Single nucleotide polymorphisms located in TNFA, IL1RN, IL6R, and IL6 genes are associated with COVID-19 risk and severity in an Iranian population. Rokni M, Sarhadi M, Heidari Nia M, et al. *Cell Biology International*. 2022 May 6.
100. Nanotechnology for Therapy of Zoonotic Diseases: A Comprehensive Overview. Arshad R, **Sargazi S**, Fatima I, et al. *ChemistrySelect*. 2022 Jun 7;7(21):e202201271.

101. Novel EPR-enhanced strategies for targeted drug delivery in pancreatic cancer: An update. Mohammadzadeh V, Rahiman N, Hosseinikhah SM, et al. *Journal of Drug Delivery Science and Technology*. 2022 May 25:103459.
102. Effects of folate-conjugated Fe2O3@ Au core–shell nanoparticles on oxidative stress markers, DNA damage, and histopathological characteristics: evidence from in vitro and in vivo studies. Ghaznavi H, Hajinezhad MR, Shirvaliloo M, et al. *Medical Oncology*. 2022 Sep;39(9):1-4.
103. Application of titanium dioxide nanoparticles in photothermal and photodynamic therapy of cancer: An updated and comprehensive review. **Sargazi S**, Simge ER, Gelen SS, et al. *Journal of Drug Delivery Science and Technology*. 2022 Jul 19:103605.
104. Adrenal Insufficiency in Patients with Beta-Thalassemia Major in the Southeast of Iran. Miri-Aliabad G, Moghadam MN, Naderi M, et al. *International Journal of Hematology-Oncology and Stem Cell Research*. 2022 Jul 9;16(3):186-8.
105. siRNA-based nanotherapeutics as emerging modalities for immune-mediated diseases: A preliminary review. **Sargazi S**, Arshad R, Ghamari R, et al. *Cell Biology International*. 2022.
106. Short-term celecoxib (celebrex) adjuvant therapy: a clinical trial study on COVID-19 patients. Ghaznavi H, Mohammadghasemipour Z, Shirvaliloo M, et al. *Inflammopharmacology*. 2022 Jul 14:1-3.
107. Nano-Based Theranostic Platforms for Breast Cancer: A Review of Latest Advancements. Arshad R, Kiani MH, Rahdar A, et al. *Bioengineering*. 2022 Jul;9(7):320.
108. Breast cancer vaccines: New insights into immunomodulatory and nano-therapeutic approaches. Davodabadi F, Sarhadi M, Arabpour J, et al. *Journal of Controlled Release*. 2022 Sep 1;349:844-75.
109. Preparation of pH-Responsive Vesicular Doxorubicin: Evidence from In-Vitro and In-Silico Evaluations. **Sargazi S**, Barani M, Zargari F, et al. *Current Applied Sciences*. 2022 Jul 17:31-48.
110. Recent application of cobalt ferrite nanoparticles as a theranostic agent. Barani M, Rahdar A, Mukhtar M, et al. *Materials Today Chemistry*. 2022 Dec 1;26:101131.
111. Nanobiosensors for detection of opioids: A review of latest advancements. Razlansari M, Ulucan-Karnak F, Kahrizi M, et al. *European Journal of Pharmaceutics and Biopharmaceutics*. 2022 Sep 5.
112. Synthesis, in vitro biological and computational evaluation of new copper (II)-phenanthroline complexes. Shahraki O, Akbarzadeh-T N, Shahraki S, et al. *Journal of the Iranian Chemical Society*. 2022 Sep;19(9):3783-96.
113. Genetic Polymorphisms in miR-137 and Its Target Genes, TCF4 and CACNA1C, Contribute to the Risk of Bipolar Disorder: A Preliminary Case-Control Study and Bioinformatics Analysis. Mokhtari MA, **Sargazi S**, Saravani R, et al. *Disease Markers*. 2022, DOI: 10.1155/2022/1886658
114. Development and classification of RNA aptamers for therapeutic purposes: an updated review with emphasis on cancer. Razlansari M, Jafarinejad S, Shirvaliloo M, et al. *Molecular and Cellular Biochemistry*. 2022 Nov 24:1-26.
115. Coding Variants of the FMO3 Gene Are Associated with the Risk of Chronic Kidney Disease: A Case-Control Study. Shorudi Dadi I, Saravani R, Khalili T, et al. *Reports of Biochemistry and Molecular Biology*:430-9.
116. Association study to evaluate Foxo1 and Foxo3 gene polymorphisms in polycystic ovary syndrome: a preliminary case–control study and in silico analysis. Rakhshani Nejad A, **Sargazi S**, Ghasemi M, et al. *Molecular Biology Reports*. 2023 Feb 15:1-2.
117. Preparation, characterization, and toxicity assessment of carfilzomib-loaded nickel-based metal-organic framework: Evidence from in-vivo and in-vitro experiments. Barani M, Hajinezhad MR, Shahraki S, et al. *Journal of Drug Delivery Science and Technology*. 2023 Feb 13:104268.
118. Relationship Between Genetic Polymorphisms in Cell Cycle Regulatory Gene TP53 and Polycystic Ovarian Syndrome: A Case–Control Study and In Silico Analyses. Biglari-Zadeh G, **Sargazi S**, Mohammadi M, et al. *Biochemical Genetics*. 2023 March 1. DOI:10.1007/s10528-023-10349-1
119. Emerging Nano-Theranostic Strategies against Non-Alcoholic Fatty Liver Disease: a review. **Sargazi S**, Ghasemi Toudeshkchouei M, Rahdar A, et al. *Iranian Journal of Materials Science and Engineering*, Vol. 20, Number 1, March 2023.

120. Biomedical applications of aptamer-modified chitosan nanomaterials: An updated review. Fathi-Karkan S, Mirinejad S, Ulucan-Karnak F, et al. *International Journal of Biological Macromolecules* 238 (2023) 124103
121. An update in the applications of exosomes in cancer theranostics: from research to clinical trials. Shahraki K, Boroumand PG, Lotfi H, et al. *Journal of Cancer Research and Clinical Oncology*. 2023 Apr 3:1-30.
122. Association of SLC11A1 polymorphisms with anthropometric and biochemical parameters describing Type 2 Diabetes Mellitus. Kavian Z, **Sargazi S**, Majidpour M, et al. Scientific Reports. 2023 Apr 16;13(1):6195.
123. Preparation, characterization, cytotoxicity and pharmacokinetics of niosomes containing gemcitabine: In vitro, in vivo, and simulation studies. Barani M, Hajinezhad MR, Zargari F, et al. *Journal of Drug Delivery Science and Technology*. 2023 Apr 22:104505.
124. Aptamer-functionalized quantum dots as theranostic nanotools against cancer and bacterial infections: A comprehensive overview of recent trends. Davodabadi F, Mirinejad S, Fathi-Karkan S, et al. *Biotechnology Progress*. 2023 May 24:e3366.
125. Development of a New Vesicular Formulation for Delivery of Ifosfamide: Evidence from in vitro, in vivo, and in silico Experiments. Hajinezhad MR, Shahraki S, Nikfarjam Z, et al. *Arabian Journal of Chemistry*. 2023 Jun 16:105086.
126. Metabolic risk factors attributed burden in Iran at national and subnational levels, 1990 to 2019. Moradi S, Parsaei A, Saeedi Moghaddam S, et al. *Frontiers in Public Health*. 2023 Jun 1;11:1149719.
127. Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. Ong KL, Stafford LK, McLaughlin SA, et al. *The Lancet*. 2023 Jun 22.
128. Advances in nanotechnology versus stem cell therapy for the theranostics of Huntington's disease. Mustafa G, Hassan D, Zeeshan M, et al. *Journal of Drug Delivery Science and Technology.* 2023 Jul 20:104774.
129. Plasma microRNA-195,− 34c, and− 1246 as novel biomarkers for the diagnosis of trastuzumab-resistant HER2-positive breast cancer patients. Rezaei Z, Dastjerdi K, Allahyari A, et al. *Toxicology and Applied Pharmacology*. 2023 Aug 7:116652.
130. . Exploring the Biomedical Potential of Iron Vanadate Nanoparticles: A Comprehensive Review. Javid-Naderi MJ, Valizadeh N, Banimohamad-Shotorbani B, et al. *Inorganic Chemistry Communications*. 2023 Sep 12:111423.

INTERNATIONAL PRESENTTAIONS

- Tertbutylhydroquinone improves antioxidant status in rat tissues following chronic diazinon intoxication. Presented in the 8th international congress of Medical Lab and Clinic, placed in Tehran, Iran, February 6-8, 2016.
- Effect of Caralluma Tuberculata Hydroalcoholic Extract on Cell Viability Of PC3 Prostate Cancer Cell Line. Presented in the 3rd International Nastaran Cancer Symposium, placed in Mashhad, Iran, from November 29 to December 1, 2017.
- Selective targeting of cancer cells, the conception and application of synthetic lethality. Presented in the 3rd International Nastaran Cancer Symposium, placed in Mashhad, Iran, from November 29 to December 1, 2017.
- A mini-review on antioxidant and anticancer potentials of poly (ADP ribose) Polymerase inhibitors. Presented in the 12th international congress of Medical Lab and Clinic, placed in Tehran, Iran, December 12-14, 2019.
- Nano-biosensors as Novel Approach for the Detection of MicroRNAs in Cancer Patients. Presented in the 12th international congress of Medical Lab and Clinic, placed in Tehran, Iran, December 12-14, 2019.

- Association of FOXO3 rs2253310 polymorphism with risk of type 2 diabetes mellitus: A case-control study. Presented in the 17th National and 8th International Congress of Biochemistry and Molecular Biology, placed in Tehran, Iran, August 23-26, 2022.
- Achillea Wilhelmsii C. Koch Hyoalcoholic Extract Induces Apoptosis and Alters LIN28B and p53 Gene Expression in Hela Cervical Cancer Cells. Presented in the 17th National and 8th International Congress of Biochemistry and Molecular Biology, placed in Tehran, Iran, August 23-26, 2022.
- Effects of carfilzomib alone and in combination with cisplatin on the cell death in cisplatin-sensitive and cisplatin-resistant ovarian carcinoma cell lines. Presented in the 17th National and 8th International Congress of Biochemistry and Molecular Biology, placed in Tehran, Iran, August 23-26, 2022.
- Magnetic nanoparticles as a multifunctional theranostic nanoplatform against brain cancer. Presented in the 6th International Congress on Biomedicine, placed in Tehran, Iran, November 9-14, 2022.
- The efficiency of titanium dioxide nanoparticles as contrast agents in radiotherapy of tumor. Presented in the 6th International Congress on Biomedicine, placed in Tehran, Iran, November 9-14, 2022.

REVIEWING EXPERIENCE

Invited reviewer for several high-rank Journals published in Springer, Elsevier, Frontiers, Wiley, Dove Press, De Gruyter, Mary Ann Liebert, Hindawi, Techno-Press, and BMC including:

BMC Cancer, PLOS ONE, Journal of Photochemistry & Photobiology, B: Biology, Journal of Nanobiotechnology, Nanofabrication, International Journal of Nanomedicine, Advances in Nano Research, Scientific Reports, Microscopy Research and Technique, Infection and Drug resistance, Biomedical and Environmental Sciences, Environmental Health and Preventive Medicine, Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, Journal of Paediatric Infectious Diseases, Heliyon, Biomarkers in Medicine, Personalized medicine, DNA and Cell Biology, Journal of International Medical Research, Human Gene, BMC Pregnancy and Childbirth, Nucleosides, Nucleotides & Nucleic Acids, International Journal of Immunogenetics, Gene Reports, International Journal of Biological Macromolecules, Disease Markers, Biomarker Research, Molecular Biology reports, Frontiers in Bioengineering, Frontiers in Medicine, Frontiers in Nutrition, Journal of Pharmaceutical Research International, Current Applied Sciences, Genetic Testing and Molecular Biomarkers, Frontiers in Molecular Biosciences, International Journal of Immunopathology and Pharmacology, Frontiers in Public Health, Molecular Biology Reports, Infection and Drug Resistance, Iranian Journal of Basic Medical Sciences, BioMed Research International, Pharmaceutical Patent Analyst, Canadian Journal of Diabetes, GENE, Journal of Medical Virology, Middle East Journal of Cancer, F1000 Research, Neuropsychiatric Disease and Treatment, etc.

EDITORIAL MEMBERSHIP

- Review editor for Frontiers in Chemistry (https://loop.frontiersin.org/people/1289129/editorial)
- Guest associate editor - Frontiers in Bioengineering and Biotechnology (https://www.frontiersin.org/journals/bioengineering-and-biotechnology/editors)

COURSES TAUGHT

- An Introduction to Biochemistry
- Advanced Biochemistry
- Clinical Biochemistry
- Biochemistry & Drugs
- Molecular Biology
- Endocrinology
- Terminology for Medical Students
- Terminology for Medical Laboratory Technicians

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