**مقالات مرکز سلولی و مولکولی سال2021**

1. Porphyrin-Based Nanostructures for Cancer Theranostics: Chemistry, Fundamentals and Recent Advances
2. Unexpected dihydropyridinium derivatives using a multicomponent reaction containing unprotected amino acids
3. Novel perspectives towards rna-based nano-theranostic approaches for cancer management
4. Theranostic advances of bionanomaterials against gestational diabetes mellitus: A preliminary review
5. Quantum dots: Synthesis, antibody conjugation, and her2-receptor targeting for breast cancer therapy
6. In vitro and in vivo anticancer effect of pH-responsive paclitaxel-loaded niosomes
7. New Insights into the Importance of Long Non-Coding RNAs in Lung Cancer: Future Clinical Approaches
8. Relationship Between CASP9 and CASP10 Gene Polymorphisms and Cancer Susceptibility: Evidence from an Updated Meta-analysis
9. HIF-1alpha and VEGF polymorphisms and systemic lupus erythematosus susceptibility
10. The Association study of eNOS 4a/b and G1190T variant with Iranian male infertility: A case-control study and computational analysis
11. Amino acids, peptides, and proteins: Implications for nanotechnological applications in biosensing and drug/gene delivery
12. Genetic variants of HOTAIR are associated with susceptibility to recurrent spontaneous abortion: A preliminary case-control study
13. New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases
14. Nanomaterials in the management of gram-negative bacterial infections
15. CoNi alloy nanoparticles for cancer theranostics: synthesis, physical characterization, in vitro and in vivo studies
16. Application of nanoparticles in cancer therapy with an emphasis on cell cycle
17. Withania coagulans extract attenuates oxidative stress-mediated apoptosis of cerebellar purkinje neurons after ischemia/reperfusion injury
18. Preparation of pH-Responsive Vesicular Deferasirox: Evidence from in Silico, in Vitro, and in Vivo Evaluations
19. Synthesis, characterization, toxicity and morphology assessments of newly prepared microemulsion systems for delivery of valproic acid
20. Multi-functionalized nanomaterials and nanoparticles for diagnosis and treatment of retinoblastoma
21. Simulation, in vitro, and in vivo cytotoxicity assessments of methotrexate-loaded ph-responsive nanocarriers
22. The role of autophagy in controlling SARS-CoV-2 infection: An overview on virophagy-mediated molecular drug targets
23. An updated review on implications of autophagy and apoptosis in tumorigenesis: Possible alterations in autophagy through engineered nanomaterials and their importance in cancer therapy
24. Long-term administration of metformin ameliorates age-dependent oxidative stress and cognitive function in rats
25. SIRT1 functional polymorphisms (rs12778366, rs3758391) as genetic biomarkers of susceptibility to type 2 diabetes mellitus in Iranians: a case-control study and computational analysis
26. Chromium (III) Complexes of 4,5-diazafluoren-9-one Ligand as Potential Anti-proliferative Agents: Synthesis, Characterization, DNA Binding, Molecular Docking and In-vitro Cytotoxicity Evaluation
27. Polymorphism of the DNA repair gene XDP increases the risk of systemic lupus erythematosus but not multiple sclerosis in the Iranian population
28. Conizn and conife nanoparticles: Synthesis, physical characterization, and in vitro cytotoxicity evaluations
29. Nanotechnology for inflammatory bowel disease management: Detection, imaging and treatment
30. Significant association of LXRbeta (NR1H2) polymorphisms (rs28514894, rs2303044) with type 2 diabetes mellitus and laboratory characteristics
31. Effect of pre-meal water intake on the serum levels of Copeptin, glycemic control, lipid profile and anthropometric indices in patients with type 2 diabetes mellitus: a randomized, controlled trial
32. 8-Alkylmercaptocaffeine derivatives: antioxidant, molecular docking, and in-vitro cytotoxicity studies
33. Functional miR29a polymorphism is associated with protection against recurrent spontaneous abortion: A case-control study and bioinformatics analysis
34. Functional miR143/145 Cluster Variants and Haplotypes Are Associated with Chronic Kidney Disease: a Preliminary Case-Control Study and Computational Analyses
35. Application of Nanobiotechnology for Early Diagnosis of SARS-CoV-2 Infection in the COVID-19 Pandemic
36. F127/cisplatin microemulsions: In vitro, in vivo and computational studies
37. Biochemical, ameliorative and cytotoxic effects of newly synthesized curcumin microemulsions: Evidence from in vitro and in vivo studies
38. Salivary lactate dehydrogenase, c-reactive protein, and cancer antigen 125 levels in patients with oral lichen planus and oral squamous cell carcinoma
39. Assessment of SnFe2O4 nanoparticles for potential application in theranostics: Synthesis, characterization, in vitro, and in vivo toxicity
40. Recent advances in nanotechnology-based diagnosis and treatments of human osteosarcoma
41. Deferasirox-loaded pluronic nanomicelles: Synthesis, characterization, in vitro and in vivo studies
42. Application of nanotechnology for sensitive detection of low-abundance single-nucleotide variations in genomic dna: A review
43. Recent advances in iron oxide nanoparticles for brain cancer theranostics: from in vitro to clinical applications
44. Relationship between Functional miR-143/145 Cluster Variants and Susceptibility to Type 2 Diabetes Mellitus: A Preliminary Case-Control Study and Bioinformatics Analyses
45. Active targeted nanoparticles for delivery of poly(Adp ribose) polymerase (parp) inhibitors: A preliminary review
46. Relationship between miR-143/145 cluster variations and cancer risk: proof from a Meta-analysis
47. Long non-coding RNA ANRIL polymorphisms in papillary thyroid cancer and its severity
48. Relationship between p2xr4 gene variants and the risk of schizophrenia in south-east of Iran: A preliminary case-control study and in silico analysis
49. Association between common variants in vitamin D receptor gene and susceptibility to Non-Hodgkin's lymphoma: a case-control study
50. Association of IL-1 beta, NLRP3, and COX-2 Gene Polymorphisms with Autoimmune Thyroid Disease Risk and Clinical Features in the Iranian Population
51. Association of a novel KIF26B gene polymorphism with susceptibility to schizophrenia and breast cancer: A case-control study
52. Cannabinoid receptor type-1 and its correlation with CB1 gene polymorphism-1359G/A in ectopic pregnancy compared to the control group
53. IL1A and IL1B gene polymorphisms and keratoconus susceptibility: evidence from an updated meta-analysis
54. 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
55. Relationship between common interleukin 1-beta gene polymorphisms and the risk of gestational disorders: An updated meta-analysis
56. An evaluation of Short-term Treatment Outcomes of Cricothyroid Visor Maneuver: A Proof-of-Concept Pilot Study
57. The Effect of Renalase rs2576178 and rs10887800 Polymorphisms on Ischemic Stroke Susceptibility in Young Patients (<50 Years): A Case-Control Study and in Silico Analysis