**Curriculum Vitae**



**Personal data:**

First Name: Sina

Last Name: Vakili

Nationality: Iranian

Gender: Male

Date of Birth: September 14, 1989

Place of birth: Firuzabad, Fars, Iran

Marital Status: Married

Children: A son

Email: Sinavakili68@gmail.com

Phone Number: +989177388506

Address: Infertility Research Center, Shiraz University of Medical Sciences, Shiraz,

 Iran

**Education:**

-High School Diploma, Sadra School, Firuzabad, Fars, Iran, 2006.

- B.Sc. in Medical Laboratory Sciences, Fasa University of Medical Sciences, Fasa, Iran, 2008-2012.

- M.Sc. in Clinical Biochemistry, Kerman University of Medical Sciences, Kerman, Iran, 2012-2016

-PhD in Clinical Biochemistry, Shiraz University of Medical Sciences, Shiraz, Iran, 2016-2020

**Research experience**

**Thesis:**

**M.Sc.**

Development of a Nano-bio Sensor Based on Surface Plasmon Resonance of Gold Nanoparticles for Diagnosis of *Brucella Melitensis* Infection in Human andLivestock

**PhD**

Effect of Quercetin and Vitamin E and Estrogen on Bone Apoptosis and Autophagy in Ovariectomy-induced Osteoporosis in Female Rats.

**Publications**

**H index: 9 (Scopus:7), Citations: 354**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Indexed in:**  | **Journal**  | **Year** | **Title** |  |
| ISI, Scopus, PubMed | Cell Biochemistry and Function | 2021 | microRNAs in female infertility: An overview | 1 |
| ISI, Scopus, PubMed | BMC gastroenterology | 2021 | Correlation between HDL2, HDL3 and serum ferritin levels with fatty liver and NAFLD activity score (NAS) in liver histology of organ donors | 2 |
| ISI, Scopus, PubMed | BioMed Research International | 2021 | The effect of oral vitamin E on semen parameters and IVF outcome; a double-blinded randomized placebo-controlled clinical Trial | 3 |
| ISI, Scopus, PubMed | Nanoscale Research Letters | 2021 | Gold Nanobiosensor Based On The Localized Surface Plasmon Resonance Is Able To Diagnose Human Brucellosis, Introducing A Rapid and Affordable Method | 4 |
| Scopus | Journal of Health Sciences & Surveillance System | 2021 | Clinical guidelines on the use of assisted reproductive technology during Covid-19 pandemic: a minireview of the current literature | 5 |
| ISIScopus | Molecular Biology Reports | 2021 | The regulation of CD47-SIRPα signaling axis by microRNAs in combination with conventional cytotoxic drugs together with the help of nano-delivery: a choice for therapy? | 6 |
| Scopus | Journal of Health Sciences & Surveillance System | 2021 | A Report of an Iranian COVID-19 Case in a Laparoscopic Cholecystectomy Patient: A Case Report and Insights | 7 |
| ISIScopus | Kuwait Journal of Science | 2021 | Design and construction of a localized surface plasmon resonance based gold nanobiosensor for rapid detection of brucellosis | 8 |
| ISI, Scopus, PubMed | Mediators of inflammation | 2021 | The Association of Inflammatory Biomarker of Neutrophil-to-Lymphocyte Ratio with Spontaneous Preterm Delivery: A Systematic Review and Meta-analysis  | 9 |
| ISI, Scopus, PubMed | Gynecological Endocrinology | 2021 | Effects of quercetin, vitamin E, and estrogen on Metabolic-Related factors in uterus and serum of ovariectomized rat models | 10 |
|  | Sadra Medical Journal | 2021 | The Effects of Satureja Khuzestanica on Lipid Profile, Liver Enzymes, and Oxidative Stress Markers in Male Hamsters with High Fat Diet | 11 |
| ISI(ESCI)PubMed | Galen Medical Journal | 2021 | A Simple Method for Extraction of Lipopolysaccharides from *Brucella Melitensis* | 12 |
| ISI, Scopus, PubMed | Journal of Cellular Physiology | 2021 | Quercetin and vitamin E alleviate ovariectomy‐induced osteoporosis by modulating autophagy and apoptosis in rat bone cells | 13 |
| ISI, Scopus | Archives of biological sciences | 2020 | Effects of quercetin and vitamin E on ovariectomy-induced oxidative stress in rat serum and tibia | 14 |
| ISI, Scopus, PubMed | Archives of Medical Research | 2020 | Laboratory Findings of COVID-19 Infection are Conflicting in Different Age Groups and Pregnant Women: A Literature Review | 15 |
| ISI, Scopus, PubMed | Cell Communication and Signaling | 2020 | TGF-β and WNT signaling pathways in cardiac fibrosis: non-coding RNAs come into focus | 16 |
| ISI, Scopus, PubMed | Archives of Physiology and Biochemistry | 2020 | Effect of folic acid and vitamin E on promoter DNA methylation and expression of TGF-β1, ESR-1 and CDH-1 in the uterus of STZ-induced diabetic rats | 17 |
| ISI, Scopus, PubMed | Life sciences | 2020 | The role of cytokine profile and lymphocyte subsets in the severity of coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis | 18 |
| ISI, Scopus, PubMed | Journal of Stroke and Cerebrovascular Diseases | 2020 | Hookah Smoking: A Potentially Risk Factor for First-Ever Ischemic Stroke | 19 |
| Scopus | Clinical Pulmonary Medicine | 2020 | Clinical and Laboratory Findings on the Differences Between H1N1 Influenza and Coronavirus Disease-2019 (COVID-19): Focusing on the Treatment Approach | 20 |
| ISI, Scopus | Neurology Asia | 2020 | Evaluation of plasma soluble CD137 level in relapsing-remitting multiple sclerosis patients in comparison with healthy controls in Isfahan Province, Iran | 21 |
| ISI, Scopus, PubMed | International Journal of Immunogenetics | 2019 | Male microchimerism in peripheral blood from women with multiple sclerosis in Isfahan Province | 22 |
| ISI, Scopus, PubMed | European journal of pharmacology | 2019 | The effects of probiotic and synbiotic supplementation on inflammatory markers among patients with diabetes: A systematic review and meta-analysis of randomized controlled trials | 23 |
| ISI, Scopus, PubMed | Probiotics and antimicrobial proteins | 2019 | The Effects of Probiotic Supplementation on Clinical Symptom, Weight Loss, Glycemic Control, Lipid and Hormonal Profiles, Biomarkers of Inflammation, and Oxidative Stress in Women with Polycystic Ovary Syndrome: a Systematic Review and Meta-analysis of Randomized Controlled Trials | 24 |
| Scopus | Journal of Environmental Treatment Techniques | 2019 | In-Silico Molecular Docking Study of Coumarin Derivatives in order to Investigate the Inhibitory Effects of Human Monoamine Oxidase Enzyme and DFT Studies | 25 |
| ISI, Scopus, PubMed | Phytotherapy Research | 2019 | The effects of curcumin‐containing supplements on biomarkers of inflammation and oxidative stress: A systematic review and meta‐analysis of randomized controlled trials | 26 |
| ISI, Scopus, PubMed | Hormone and Metabolic Research | 2018 | The Effects of Vitamin D Supplementation on Markers Related to Endothelial Function Among Patients with Metabolic Syndrome and Related Disorders: A Systematic Review and Meta-Analysis of Clinical Trials | 27 |
| ISI, Scopus, PubMed | Current Pharmaceutical Design | 2018 | The effects of curcumin on glycemic control and lipid profiles among patients with metabolic diseases: a systematic review and meta-analysis of randomized controlled trials. | 28 |
| ISI, Scopus, PubMed | Journal of cellular biochemistry | 2018 | Atorvastatin and losartan may upregulate renalase activity in hypertension but not coronary artery diseases: The role of gene polymorphism | 29 |
| ISI, Scopus, PubMed | BMC Cardivascular Disorders | 2018 | Association of Klotho gene polymorphism with hypertension and coronary artery disease in an Iranian population | 30 |
| ISI, Scopus | Acta Endocrinologica-Bucharest | 2018 | The Effects of Opium Addiction on Thyroid and Sex hormones in Diabetic and Non-Diabetic Male and Female Rats | 31 |
| PubMed | Addiction and Health | 2018 | The Effects of Opium Addiction on Some Biochemical Factors in Diabetic and Non-Diabetic Male and Female Rats | 32 |
| DOAJ | Trends in Pharmaceutical Sciences | 2017 | The effects of saffron consumption on lipid profile, liver enzymes, and oxidative stress in male hamsters with high fat diet | 33 |

**Teaching experience:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | General biochemistry | For students of Fasa Medical University | 2 courses  |
| 2 | Biochemistry laboratory  | For B.Sc. students of Kerman Medical University | 2 courses  |
| 3 | Biochemistry laboratory  | For students of Shiraz Medical University | 4 courses |

**Skills:**

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| --- | --- |
| 1 | DNA extraction |
| 2 | RNA extraction |
| 3 | PCR |
| 4 | Real-time PCR |
| 5 | Western blotting  |
| 6 | Enzyme assays and spectrophotometric assays |
| 7 | SDS-polyacrylamide gel electrophoresis and agarose gel electrophoresis |
| 8 | LPS extraction from bacteria |
| 9 | ELISA and florescent ELISA  |
| 10 | Working with laboratory auto analyzers |
| 11 | Working with laboratory cell counters |
| 12 | Working with electrolyte analyzers  |
| 13 | Urine analysis and urine culture |
| 14 | Ovarectomy in rats |
| 15 | Word, PowerPoint, Prism, SPSS |
| 16 | Primer design  |
| 17 | Quality control management in medical diagnostic laboratories |
| 18 | Nanoparticle synthesis and characterization  |

**Reviewer of journals:**

Frontiers in Medicine

Personalized medicine

Galen medical journal

Revista da Associação Médica Brasileira

Journal of Health Sciences & Surveillance System

Journal of Reports in Pharmaceutical Sciences

**Reviews:**

|  |  |
| --- | --- |
| 1 | Apelin-13 Protects Human Neuroblastoma SH-SY5Y Cells against Amyloid–beta Induced Neurotoxicity: Involvement of Anti-Oxidant and Anti-Apoptotic Properties  |
| 2 | Curcumin and Matrix Metalloproteinase genes expression: An in vitro study |
| 3 | The effect of adding curcumin to sodium valproate in treatment of patients with bipolar disorder in the acute phase of mania: a clinical trial. |
| 4 | Evaluating the Effect of Electroconvulsive Shock and Duloxetine Combination Therapy on Behavioral, Cardiovascular, and Brain Oxidative Stress Markers in the Rats |
| 5 | The effect of short term omega3 fatty acids supplementation on appetite in healthy adult athletes: a randomized double-blinded controlled clinical trial |
| 6 | Examining the Association between Opium Use, Cigarette Smoking and Alcohol Consumption with the Liver Enzyme Levels in a population-based study: Fasa PERSIAN COHORT data |
| 7 | Examining the Association between Opium Use, Cigarette Smoking and Alcohol Consumption with the Liver Enzyme Levels in a population-based study: Fasa PERSIAN COHORT data |
| 8 | Effect of sodium butyrate and epigallocatechin-3-gallate (EGCG) on the genes of intrinsic apoptotic pathway (BAX, BAK and APAF1, Bcl-2, and Bcl-xL), p21, and p53 gene expression, cell viability, and apoptosis in human pancreatic cancer cell lines PA-TU-8902, CFPAC-1, CAPAN-1 |
| 9 | Effects of Vitamin E on Doxorubicin Cytotoxicity in Human Breast Cancer Cells in Vitro |
| 10 | Effect of sodium butyrate and epigallocatechin-3-gallate (EGCG) on the genes of intrinsic apoptotic pathway (BAX, BAK and APAF1, Bcl-2, and Bcl-xL) , p21, and p53 gene expression, cell viability, and apoptosis in human pancreatic cancer cell lines PA-TU-8902, CFPAC-1, CAPAN-1 |
| 11 | The level of attention to life skills in the social sciences curriculum of elementary school from the perspective of teachers in Sothern of Iran |
| 12 | Wearing cotton-polyester gloves under surgical latex gloves in improving the symptoms of hand dermatitis of operating room’s staff |
| 13 | Episodic Memory in Obsessive-Compulsive Disorder: Comparison with Healthy Controls |
| 14 | Attributional styles between high and low-grade point students among medical students of Isfahan University of Medical Sciences: A descriptive study |
| 15 | Psychometric Properties of Designing of tool for measurement of preventive behaviors against coronavirus in the lifestyle of Iranian society |
| 16 | Inter-individual variability in diabetic patients’ response to opium poppy: an overviewof impressive factors |
| 17 | Effect of Lactobacillus species on apoptosis-related genesBCL2, BAX, and caspase3 in the testes of gamma-irradiatedrats |
| 18 | The Effect of Group Hope Therapy on Self-efficacy of Adolescents with Type 1 diabetes |
| 19 | Immune response, viral shedding time and clinical characterization in COVID-19 patients with gastrointestinal symptoms |
| 20 | COVID-19 cardiac manifestations and Scent perception genes in hearts of SARS-Cov-2 infected patients: A Meta-Analysis of Gene expression data |