

Personal information Soheila Khodakarim Date of birth: 22 Dec 1981 Email: skhodakarim@sums.ac.ir khodakarimsoheila@gmail.com		
Position	2021-now	Associate Professor, Department of Biostatistics, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.
	2018-2021	Associate Professor in Biostatistics, Faculty of Public Health and Safety, Faculty of Paramedical Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran
	2012-2018	Assistant Professor in Biostatistics Faculty of Public Health, Faculty of Paramedical Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran
Education	Aug 2012	PhD in Biostatistics, Shahid Beheshti University of Medical Sciences, Tehran, Iran
		Thesis Title: Study and development of correlation structure in gene set analysis Supervisor: Hamid Alavi Majd(PhD)
	Jan 2007	Master Science in Biostatistics, Shiraz University of Medical Sciences, Shiraz, Iran
		Thesis Title: Calculation of conditional Norms of Longitudinal Anthropometric Measurements of shiraz infants Supervisor: SMT Ayatollahi
Teaching Experiences	Jul 2004	Bachelor Degree in Statistics, Shiraz University, Shiraz, Iran
	2021-now	Longitudinal data Analysis, PhD students in Biostatistics
	2021-now	Biostatistical Methods III, MS students in Biostatistics
	2012-now	Survival Analysis, PhD students in Biostatistics and Epidemiology
	2012-now	Mathematical Statistics, PhD students in Epidemiology
	2007- now	Biostatistics I & II, MPH, MS and PhD students in Health and Safety School
	2025*	Evaluation of factors related to longitudinal CD4 count and the risk of death among HIV-infected patients using Bayesian joint models
	2024*	<i>The effect of obesity phenotype changes on cardiovascular outcomes in adults older than 40 years in the prospective cohort of the Tehran lipids and glucose study (TLGS): joint model of longitudinal and time-to-event data.IF(4.5)</i>
	2024*	<i>Association between metabolic syndrome and myocardial infarction among patients with excess body weight: a systematic review and meta-analysis IF(4.5)</i>
	2024	<i>Optimizing the electrospinning parameters in polyvinyl chloride nanofiber fabrication using CCD</i>
	2024	<i>Classification and Diagnostic Prediction of Colorectal Cancer Mortality Based on Machine Learning Algorithms: A Multicenter National Study Ionic liquid-supported Cuo-ROD nanocomposite by</i>

		<i>dispersive solid phase extraction for sample preparation of some phthalates in bottled water</i>
	2023	<i>Irrational prescription and its costs in neonatal surfactant therapy: public and private hospitals of Iran in 2018</i> BMC Pediatrics. , 2023, 23(1), 251
	2023	<i>Burden of injury due to occupational accidents and its spatiotemporal trend at the national and subnational levels in Iran, 2011–2018</i> International Archives of Occupational and Environmental Health
	2023	<i>The effect of education based on health belief model on hand hygiene behavior in the staff of Tehran dentistry centers: A quasi-experimental intervention study</i> Health Science Reports. , 2023, 6(7), e1408
	2023*	<i>Cost-effectiveness analysis of infliximab versus CinnoRA in the treatment of moderate to severe ulcerative colitis in Iranian patients</i> Immunopathologia Persa
	2023*	<i>Spatiotemporal variations in childhood lymphoma cancer incidence and its survival rate in Iran, 2005-2015: A cross-sectional study</i> BMJ Paediatrics .IF(2.01)
Articles	2022*	Epidemiology of pediatric sarcoma in Iran
	2022	Age at Natural Menopause; A Data Mining Approach (Data from the National Health and Nutrition Examination Survey 2013–2014)
	2022	The Functional Regression With Reconstructed Functions From Hybrid Principal Components Analysis: With EEG-fMRI Application
	2022	The Effect of Educational Intervention Based on The Who Food Safety Manual on Knowledge, Attitude, And Behavior of Women Referred to Health Services Centers
	2022	Survey of public exposure to extremely low-frequency magnetic fields in the dwellings
	2022	The Effect of Educational Intervention Based on Health Belief Model on Smoking Preventive Behaviors Among Female Students
	2022	Demographic and Medical History of Patients with Colorectal Neoplasia: A Descriptive Study based on Colonoscopy Findings
	2022	The Influence of Vitamin E and Omega-3 Fatty Acids on Reproductive Health Indices Among Male Workers Exposed to Electromagnetic Fields
	2022	Cost-effectiveness analysis of infliximab versus CinnoRA in the treatment of moderate to severe ulcerative colitis in Iranian patients
	2022	Investigation of the Hourly and Spatial Patterns of

		Tra cO enses DuringMarch-April2019inIranUsingBivariateGeneralizedAdditive ModelsandIntegratedNestedLaplaceApproximation
	2022	Investigating the Effect of Exposure to Whole Body Vibration on Mental Performances of 20-29 Years Old Male
	2022	Selective Determination of n-Hexane and Methyl Ethyl Ketone (MEK) in Urine by Magnetic-Silica Aerogel-Based Molecularly Imprinted Polymers (MIPs) with Gas Chromatography – Flame Ionization Detection (GC-FID)
	2021*	Epidemiology of small intestine cancer in Iran
	2021	<i>Nomogram to Predict the Overall Survival of Colorectal Cancer Patients: A Multicenter National Study</i>
	2021	<i>Machine learning algorithms to predict seizure due to acute tramadol poisoning</i>
	2021	<i>The effects of combined exposure to noise and heat on human salivary cortisol and blood pressure</i>
	2021	<i>The emerging epidemic of inflammatory bowel disease in Asia and Iran by 2035: A modeling study</i>
	2021	<i>Effect of tonal noise and task difficulty on electroencephalography and cognitive performance</i>
	2021*	<i>Response to Fluvoxamine in the Obsessive-Compulsive Disorder Patients: Bayesian Ordinal Quantile Regression</i>
	2021	<i>Patients' attitude toward informal payments in Iran: an application of the cluster analysis method</i>
	2021*	<i>The Prevalence of Addiction to Social Networ12k Among Students in Iran and its Factors Related: A Study Cond13ucted in 2020</i>
	2021	Relationship between occupational exposure to whole-body vibration and noise with sex hormone levels: An empirical assessment in an automobile parts manufacturing plant
	2021	<i>Assessment of sexual hormones in foundry workers exposed to heat stress and electromagnetic fields</i>
	2021	Urbanization Levels and Its Association with Prevalence of Risk Factors and Colorectal Cancer Incidence
	2021	<i>Internet addiction theorybased intervention among university students: A case of health belief model</i>
	2021	<i>Design and Construction of An Aerosol Particle Classification System Based on Electrical Mobility</i>
	2021	Comparison of pre-hospital emergency services time <i>intervals in patients with heart attack in Arak, Iran</i>
	2020	Tracing the physiological response and behavioral performance of drivers at different levels of mental workload using driving simulators

Articles	2020	Estimation of direct and indirect effects of risk behaviors on HCV infection among people who inject drugs in Kermanshah, Iran: a path analysis study
	2020*	Estimating the cure proportion of colorectal cancer and related factors after surgery in patients using parametric cure models
	2020	Guessability of U.S. pharmaceutical pictograms in Iranian prospective users
	2020	Relationship between heat stress exposure and some immunological parameters among foundry workers
	2020	Comparison of Y and ZSM-5 zeolite modified with magnetite nanoparticles in removal of hydrogen sulfide from air
	2019*	Mismeasured Covariate in the Long-Term Survival of Colorectal Cancer
	2019*	Predictive model for the cure rate of NICU admitted preterm neonates: the mixture cure model
	2019*	Validation of classification models and data reduction methods based on gene expression data
	2019	The concentration of potentially toxic elements (PTEs) in the onion and tomato irrigated by wastewater: A systematic review; meta-analysis and health risk assessment
	2019	Socioeconomic inequality in mortality from road traffic accident in Iran
	2019	Degradation of bisphenol a from aqueous solutions using Fe_3O_4 as a persulfate activator
	2019	Analyzing inappropriate magnetic resonance imaging (MRI) prescriptions and resulting economic burden on patients suffering from back pain
	2019	Shoulder pain prevalence and risk factors in middle-aged women: A cross-sectional study
	2019	The effect of noise exposure on cognitive performance and brain activity patterns
	2019	Correlation pattern of factors related to domestic violence against married women in tehran-iran
	2019	Determining the levels of urbanization in Iran using hierarchical clustering
	2019	Incidence of pressure ulcers in intensive care units and direct costs of treatment: Evidence from Iran
	2019	Effects of noise on mental performance and annoyance considering task difficulty level and tone components of noise
	2019	Investigating the relationship between heat stress and workers' blood parameters in a foundry
	2019	A Novel Effect of White Noise on Auditory and Visual Attention using Biomedical Signals on Petrochemical Control Room Operators
	2019	Estimation of direct and indirect effects of risk behaviors on HCV infection among people who inject drugs in

Articles		Kermanshah, Iran: a path analysis study
	2019	Effects of hypothetical interventions on ischemic stroke using parametric G-formula
	2019	Epidemiological trends in cesarean section rate in Qom province, Iran during 2005-2017; A joinpoint regression analysis
	2019	The effects of combined exposure to noise and heat on human salivary cortisol and blood pressure
	2019	Investigation of geographical and socioeconomic inequalities in mortality from road traffic accidents in corpses referred to legal medicine organization of Iran
	2019	An attempt to describe the features of patients with chronic renal failure and the factors associated with this disease among hemodialysis patients in a hospital in Tehran in 2016
	2019	Prevalence and effect factors of HBV among injection drug users in Kermanshah, Iran in 2016
	2019	Occupational and biological monitoring of workers exposed to airborne dust in Gol-e-Gohar Iron Ore mine
	2019	Oxidative stress markers in early pregnancy loss: A case-control study
	2019*	Associated factors with major depression: a path analysis on NHANES 2013–2014 study (correspond a
	2018*	Analyzing the long-term survival of patients with colorectal cancer: A study using parametric non-mixture cure rate models (cor
	2018	Studying the factors related to refractive error regression after PRK surgery
	2018*	Familial aggregation and linkage analysis with covariates for metabolic syndrome risk factors(First Author)
	2018*	The impact of ambient temperature on acute myocardial infarction admissions in Tehran, Iran
	2018*	Associations between dietary risk factors and ischemic stroke: a comparison of regression methods using data from the Multi-Ethnic Study of Atherosclerosis
	2017	Urban-rural differences in the prevalence of self-reported diabetes and its risk factors: The WHO STEPS Iranian noncommunicable disease risk factor surveillance in 2011
	2017	Investigation of the relationship between the incidence of colorectal cancer and the human development index in Iran: An ecologic study
	2016	Correlation between Heat Strain Score Index and WBGT Index with Physiological Parameters in a Glass Manufacturing Plant INTERNATIONAL JOURNAL OF OCCUPATIONAL HYGIENE
	2016	Executive functions of patients under methadone and buprenorphine maintenance treatment Koimesh
	2016	The estimated survival rates for colorectal cancer and related factors in Iran from 1384 to 1388 using the Aalen's additive risk model Iranian Journal of Epidemiology

Articles	2016	Using support vector machines in predicting and classifying factors affecting preterm delivery Journal of Paramedical Sciences (JPS)
	2016	Grading of Glioma Tumors by Analysis of Minimum Apparent Diffusion Coefficient and Maximum Relative Cerebral Blood Volume Caspian J Neurol Sci
	2016	Prediction of the Thromboembolic Syndrome: an Application of Artificial Neural Networks in Gene Expression Data Analysis Journal of Paramedical Sciences (JPS)
	2016	A case-control study on risk factors for unintentional childhood poisoning in Tehran.
	2016	Child unintentional injury prevention in Eastern Mediterranean Region. Int J Crit Illn Inj Sci.
	2015	Does temporary location of ambulances (fluid deployment) affect response times and patient outcome? International Journal of Emergency Medicine
	2014*	The Multivariate Nonparametric Methods for Identifying Gene Sets with Differential Expression (First Author)
	2014*	Assessment of Gene Set analysis methods based on microarray data (First Author).
	2013*	A Comparison of Univariate and Multivariate Gene Set Analysis in Acute Lymphoblastic Leukemia (First Author).
	2015	Examining the correlation of adherence to warfarin therapy with demographic characteristic
	2015	Differences in cervical extensor muscles thickness in subjects with normal head posture and forward head posture: an ultrasonography study. Journal of Rehabilitation Sciences and Research
	2015	Factors Associated with Self-care Behavior in Patients with Type II Diabetes J Mazandaran Univ Med Sci
	2014	Improved Method for Analysis of Airborne Asbestos Fibers Using Phase Contrast Microscopy and FTIR Spectrometry Tanaffos
	2014	Radiographic changes of lumbar spine and pelvis in chronic spinal injury Tehran University Medical Journal
	2013	Biclustering Algorithm for Embryonic Tumor Gene Expression Dataset: LAS Algorithm. Journal of Paramedical Sciences (JPS)
	2013	Biomarker Profiling (ErbB2, P53, and PR) for Stage I of Breast Cancer. <i>Journal of Paramedical Sciences (JPS)</i>
	2012*	Gene sets involved in prostate cancer based on differential expression
	2012	A Study of Growth Failure and its Related Factors in Children from 0 to 2 Years in Tehran, Iran. Turk J Pediatr
	2012	Long-term exposure to low frequency electro-magnetic fields of 50- and 217-Hz leads to learning and memory deficits in mice. JPS
	2015	Predicting of effective dose as Biomarker for Cytotoxicity

		using Partial Least Square-Fourier Transform Infrared Spectroscopy. Iranian Journal of Pharmaceutical Research
		*: Corresponding or First Author
Conferences	2017	Validation of classification and data reduction methods based on gene expression data.38th Annual conference of the International Society for clinical Biostatistics. Vigo, Spain, 9-17 July 2017
	2015	Using Data Mining Instead of Gene Set Analysis, Is It O.K? 6 th Word DNA and Genome Day (WDD-2015) Nanjing, Chin, 25-28 April.
	2014	Temporary stationed ambulances save lives: A Comparison between temporary and permanent stationed ambulances. 8th European Congress on Emergency Medicine. Westergasfabrik, Amesterdam 28 Sept-1 Oct 2014
Executive Experience	2018- 2020	Deputy Editor-in-chief: Archives of Advances in Biosciences
	2014-now	Associate Editor: International Journal of Cancer Management
	2017-2024	Member of Ethics committee, Mofid children's Hospital
	2021-now	Member of Ethics committee, Shiraz University of Medical Sciences
	2012-2019	Director of Research, School of Public Health and Safety, Shahid Beheshti University of Medical Sciences Tehran, Iran