

Parvin Sarbakhsh



Ph.D.

Professor of Biostatistics

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1. EDUCATIONAL QUALIFICATIONS

Institution	Highest Qualification
Shahid Beheshti University of Medical Sciences, Tehran, Iran	Ph.D. – Biostatistics (2008 to 2013) Thesis title: Extension of Logic Regression to Longitudinal data (logic regression analysis, longitudinal data interaction effect, SNP)
Leiden University Medical Center (LUMC), Leiden, the Netherlands	Scholarship by Ministry of Health and Medical Education of Iran to 6-month sabbatical for Ph.D. of Biostatistics at Leiden University Medical Center (LUMC), Leiden, the Netherlands, 2012-2013
Shahid Beheshti University of Medical Sciences, Tehran, Iran	M.Sc. – Biostatistics (2005 to 2008) Thesis title: Logic regression and its Application in Predicting Diabetes among the population of 20 years old and over in district 13 of Tehran (logic regression analysis, Diabetes. interaction effects)
Tabriz University, Tabriz, Iran	B.Sc. – Statistics (2001 to 2005) Final project title: Epidemiologic Assessment of Migraine Headache among Medical Students of Tabriz University of Medical Sciences in 2005

2. PROFESSIONAL EXPERIENCE

February 2025 – Present
Professor

Tabriz University of Medical Sciences (TBZMED), Tabriz, Iran

Responsibilities:

- Lecturing in high level Biostatistics to M.Sc. and Ph.D. Students
- Supervising and advising M.Sc. and Ph.D. students theses
- Performing various workshops on statistical modelling
- Designing research projects and managing research budgets
- Data analysis and writing scientific manuscripts

August. 2020 – February 2025
Associate Professor

Tabriz University of Medical Sciences (TBZMED), Tabriz, Iran

Responsibilities:

- Lecturing in high level Biostatistics to M.Sc. and Ph.D. Students
- Supervising and advising M.Sc. and Ph.D. students theses
- Performing various workshops on statistical modelling
- Designing research projects and managing research budgets
- Data analysis and writing scientific manuscripts

November. 2013–August. 2020
Assistant Professor

Tabriz University of Medical Sciences (TBZMED), Tabriz, Iran

Responsibilities:

- Lecturing in Intimidate level Biostatistics to M.Sc. Students
 - Lecturing in Biostatistical methods, research methodology to B.Sc. Students
 - Supervising and advising M.Sc. students theses
 - Performing various workshops on statistical modelling
 - Designing research projects and managing research budgets
 - Data analysis and writing scientific manuscripts
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3. AWARDS, HONORS & GRANTS

- **Top Researcher of faculty of health**, Tabriz university of medical sciences, Tabriz, Iran, 2023.
 - **Awarded Mah Banoo Tata award**, Iranian Statistical Society, 2023.
 - **Top and Distinguished Student Award**, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2008
 - **Among those nominated by Shahid Beheshti University of Medical Sciences for the selection of the country's exemplary student in 2008**
 - **Top student of faculty award**, Paramedical school of Shahid Beheshti university of medical science in 2008
 - **Top student of university award**, Shahid Beheshti university of medical science award in 2008
 - **Scholarship** by Ministry of Health and Medical Education of Iran to 6-month sabbatical for Ph.D. of Biostatistics at Leiden University Medical Center (LUMC), Leiden, the Netherlands, 2012-2013
 - **Third Ranked Student** in high-competitive National M.Sc. Entrance Exam, 2004
 - **Third Ranked Student** in high-competitive National Ph.D. Entrance Exam, 2006
 - **Awarded the best paper** in 10th students' International Conference on Biomedical and Interdisciplinary Research, Tehran, Iran
 - **Awarded of the best paper** in 4th educational festival of Shahid Beheshti university of medical science
 - **Awarded the best paper** in Shahid Motahri Festival for the educational process of "Epidemiology Skills Laboratory", Tabriz university of Medical sciences
 - **Awarded the title of the best educational department** of Tabriz university of Medical sciences in the university research festival in the field of research
 - **Grant of university's active researcher**, Tabriz University of Medical Sciences (TBZMED): 2022, 2021, 2020
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4. RESEARCH PUBLICATIONS & BIBLIOGRAPHY

Citations: 2081 (last update: 2023/5/16)

H-index (Scopus): 25

Google Scholar: <https://scholar.google.com/citations?user=J3GMxj0AAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-4213-5152>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=27968099600>

4.1 Selected Journal Articles (From the most recent) (Totally more than 300 articles)

1. Tohidifar F, Mohammadzadeh M, Shaseb E, Beheshtirouy S, Sarbakhsh P, Ghaffary S. Evaluating the Effect of Oral Famotidine in Preventing Hypersensitivity Reactions in Individuals Receiving Platinum-Based Agents or Taxanes. *Asia-Pacific Journal of Clinical Oncology*. 2025.
2. Nearagh FK, Ghasemi S, Shariatpanahi S, Dabaghi S, Sarbakhsh P. The effects of an educational intervention based on the Campinha-Bacote model on cultural competence among nursing students: an experimental study. *BMC nursing*. 2025;24(1):228.
3. Mousazadeh Y, Sarbakhsh P, Arbabisarjou A, Tolouei M, Mousavi H, Najafi E. The general health status and its relationship with life skills among service recipients of comprehensive health service centers in Iranian setting: a descriptive-analytical study. *BMC Research Notes*. 2025;18(1):140.
4. Mousazadeh Y, Sarbakhsh P, Arbabisarjou A, Tolouei M, Mousavi H, Molaei S. Association between health-promoting lifestyle and electronic health literacy among Iranian university students. *BMC Medical Education*. 2025;25(1):1-10.
5. Malekzadeh M, Dehghanzadeh R, Ebrahimi SM, Sarbakhsh P, Fathifar Z, Aslani H. Occurrence, sampling, identification and characterization of microplastics in tap water: A systematic review and meta-analysis. *Ecotoxicology and Environmental Safety*. 2025;299:118347.
6. Lotfabadi AM, Ghaderi F, Moghadam SN, Kianifar HR, Sarbakhsh P. Investigating the effects of using tecartherapy with biofeedback compared to biofeedback alone in the treatment of fecal incontinence in children aged 4 to 16 years: a Randomized Clinical Trial Study. *Gastroenterology and Hepatology from Bed to Bench*. 2025;18(1).
7. Khazani Y, Manesh SF, Shaseb E, Sarbakhsh P. Comparing the Effect of Beractant (Beraksurf™) with That of Poractant Alfa (Curosurf®) on the Need for Intermittent Positive Pressure Ventilation in Neonatal Respiratory Distress Syndrome by Adopting a Semi-parametric Approach: Re-Analyzing Data of a Randomized Controlled Trial. *BMC pediatrics*. 2025;25(1):142.
8. Jafari N, Akbari H, Maghsoodi A, Sarbakhsh P. The attitude of the unvaccinated children's parents toward pediatric COVID-19 vaccination in Tabriz, Iran. *BMC pediatrics*. 2025;25(1):248.
9. Gholipour M, Dadashzadeh A, Jabarzadeh F, Sarbakhsh P. Challenges of Clinical Decision-making in Emergency Nursing: An Integrative Review. 2025.
10. Beilankouhi EAV, Safaralizadeh R, Nejati B, Sanaat Z, Esfahani A, Gholami N, et al. miRNAs as emerging predictors of tamoxifen resistance in breast cancer. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2025:1-17.
11. Baghdadi G, Shidfar F, Mokhtare M, Sarbakhsh P, Agah S. Effect of Pomegranate Peel Consumption on Liver Enzymes, Lipid Profile, Liver Steatosis, and Hs-CRP in Patients With Non-alcoholic Fatty Liver Disease: A Double-Blind, Placebo-Controlled, Randomized Clinical Trial. *Phytotherapy Research*. 2025;39(2):619-29.
12. Amooyi L, Alizadeh L, Sarbakhsh P, Shojaei-Zarghani S, Gharekhani A. The Effects of Adding Probiotic, Alone and in Combination With Zinc, to Routine Treatment on Recurrence of Hepatic Encephalopathy, Quality of Life, and Sleep Quality in Patients With Cirrhosis: An Open-Label Randomized Controlled Trial. *Food Science & Nutrition*. 2025;13(1):e4636.
13. Alizadeh S, Nourizadeh R, Mohamadi E, Vedadhir A, Mehrabi E, Sarbakhsh P, et al. Women's perceptions of medicalised pregnancy and childbirth: an exploratory sequential mixed-method protocol study. *BMJ open*. 2025;15(3):e095152.
14. Zare M, Shoaee N, Karimian J, Nouri M, Zare S, Leilami K, et al. Effect of a plant-based diet on oxidative stress biomarkers in male footballers. *Scientific Reports*. 2024;14(1):3700.

15. Zare M, Shateri Z, Shakeri M, Nouri M, Zare S, Sarbakhsh P, et al. The association between diet quality indices and oxidative stress biomarkers in male footballers and healthy active controls. *BMC Research Notes*. 2024;17(1):195.
16. Zahedi H, Sajjadi SL, Sahebiagh MH, Sarbakhsh P. Association between loneliness and cigarette smoking attitudes among university students in Iran: a cross-sectional study. *BMJ open*. 2024;14(5):e079593.
17. Shabestari MM, Tabrizi FJ, Roshangar F, Ghahramanian A, Zamanzadeh V, Sarbakhsh P, et al. Nurses' perception of uncertainty in clinical decision-making: A qualitative study. *Heliyon*. 2024;10(16).
18. Sarbakhsh P, Mohammadpoorasl A, Bagheri A, Akbari H. Survival, Mortality and Epidemic Risk Status of COVID-19: A Population-Based Study in Golestan Province, Iran. 2024.
19. Sarbakhsh P, Khalilian EN, Salahzadeh Z, Karimipour B, Azghani MR, Rezaei M, et al. Reproducibility of trunk and lower extremities alignment in subjects with abnormal head posture using photogrammetry. 2024.
20. Sarbakhsh P, Ghaffary S, Shaseb E, Akbarnejad R. Predicting ICU Admission for Hospitalized COVID-19 Patients by Artificial Neural Network Combined with Elastic Net. *Journal of Iranian Medical Council*. 2024.
21. Şahin F, Farshbaf-Khalili A, Alihosseini S, Sarbakhsh P, Pirouzpanah MS, Ayşan E, et al. The efficacy of topical sodium pentaborate formulation on hemorrhoid disease: A randomized, double-blind, placebo-controlled trial. *Heliyon*. 2024;10(5).
22. Sahebiagh MH, Hosseinzadeh M, Mirghafourvand M, Sarbakhsh P, Nemati H. Challenges of smoking cessation in users of non-invasive stimulation technologies in Iran: a parallel convergent mixed-methods study. *BMJ open*. 2024;14(12):e091253.
23. Sahebiagh MH, Hosseinzadeh M, Mirghafourvand M, Sarbakhsh P, Nemati H. Preferences of Iranian smokers regarding smart smoking cessation technologies: a parallel convergent mixed methods study. *BMC Public Health*. 2024;24(1):2163.
24. Rezadoost L, Khosroshahi HT, Farnood F, Sarbakhsh P, Behzad H, Gharakhani A. Effects of Pentoxifylline on Inflammatory Factors and Quality of Life in Maintenance Hemodialysis Patients. *Pharmaceutical Sciences*. 2024;30(3):304-11.
25. Nouri M, Ghasemi S, Dabaghi S, Sarbakhsh P. The effects of an educational intervention based on the protection motivation theory on the protective behaviors of emergency ward nurses against occupational hazards: a quasi-experimental study. *BMC nursing*. 2024;23(1):409.
26. Nikkhah M, Vafa M, Abiri B, Golgiri F, Sarbakhsh P, Alaei-Shahmiri F. The Effect of Some Micronutrients Multi-Supplementation on Thyroid Function, Metabolic Features and Quality of Life in Patients Treating With Levothyroxine and Vitamin D: A Double-blind, Randomized Controlled Trial. *Medical Journal of the Islamic Republic of Iran*. 2024;38:133.
27. Naghizadeh S. Lifestyle Subgroups and its Relationship with the Incidence of Hypertension in the Population of Azar Cohort: A Latent Class Analysis: Tabriz University of Medical Sciences, School of Health; 2024.
28. Naeimzadeh F, Sadeghi A, Saghaleini S, Sarbakhsh P, Mahmoodpoor A, Gharekhani A. Effect of parenteral L-carnitine in hospitalized patients with moderate to severe COVID-19: A randomized double-blind clinical trial. *BioImpacts*. 2024;15(1):30261-.
29. Mousazadeh Y, Ranjbar A, Sarbakhsh P, Lonbar AK. Willingness of hospitalized Iranian patients to participate in self-safety. *Journal of Education and Health Promotion*. 2024;13(1):155.
30. Laghousi D, Aminsani N, Hooshmand E, Asghari-Jafarabadi M, Sarbakhsh P, Shamshirgaran M. Validity of the Physical activity scale for the elderly: results from the Neyshabur Longitudinal Study on Ageing. *Medical Journal of Tabriz University of Medical Sciences*. 2024;46(4):407-18.
31. Kourehpaz N, Pakdel F, Katebi K, Sarbakhsh P, Baghaei TA, Milani FH, et al. Comparison of consequences of operculectomy using conventional surgical knife and laser: A systematic review and meta-analysis. *Crescent Journal of Medical and Biological Sciences*. 2024;11(2).
32. Khiali S, Taban-Sadeghi M, Sarbakhsh P, Khezerlouy-Aghdam N, Entezari-Maleki T. Empagliflozin and colchicine in patients with reduced left ventricular ejection fraction following ST-elevation myocardial infarction: a randomized, double-blinded, three-arm parallel-group, controlled trial. *European Journal of Clinical Pharmacology*. 2024;80(1):93-104.
33. Khiali S, Taban-Sadeghi M, Sarbakhsh P, Khezerlouy-Aghdam N, Entezari-Maleki T. Correction to: Empagliflozin and colchicine in patients with reduced left ventricular ejection fraction following ST-elevation myocardial infarction: a randomized, double-blinded, three-arm parallel-group, controlled trial. *European Journal of Clinical Pharmacology*. 2024;80(2):301-3.

34. Kashiri F, Sarbakhsh P, Mohammadpoorasl A, Seyedghasemi NS, Bagheri A, Akbari H. Survival, mortality and epidemic risk status of COVID-19: a population-based Study in Golestan province, Iran. *Archives of Public Health*. 2024;82(1):105.
35. Kahe D, Sabeti Z, Sarbakhsh P, Shakerkhatibi M, Gholampour A, Goudarzi G, et al. Effect of PM2.5 exposure on adhesion molecules and systemic nitric oxide in healthy adults: The role of metals, PAHs, and oxidative potential. *Chemosphere*. 2024;354:141631.
36. Jamali-Dolatabad M, Sadeghi-Bazargani H, Salemi S, Sarbakhsh P. Identifying interactions among factors related to death occurred at the scene of traffic accidents: Application of "logic regression" method. *Heliyon*. 2024;10(11).
37. Jafari N, Akbari H, Khayatadeh S, Nobakht-Nojehdeh H, Sarbakhsh P. COVID-19 Vaccination Adverse Events in Children: An Investigation with a Control Group in Tabriz Metropolitan City. *Archives of Razi Institute*. 2024;79(5).
38. Hiaq SSM, Tabrizi FJ, Parvan K, Sarbakhsh P, Dickens G. Relationship between burnout and occupational fatigue exhaustion and recovery among orthopaedic nurses in Tabriz, Iran: a cross-sectional survey. *BMJ open*. 2024;14(8):e084522.
39. Hayat PT, Gargari BP, Sarbakhsh P. The association between diet quality index-international and dietary diversity score with preeclampsia: a case-control study. *BMC Women's Health*. 2024;24(1):193.
40. Hanaee J, Ghaffari R, Afandideh N, Sarbakhsh P, Shaghaghi A. The Components of the Personality Dimensions of the Faculty Members of Universities: A Meta-Synthesis. *Depiction of Health*. 2024;15(3):270-84.
41. Hamidi F, Hamishehkar H, Markid PPA, Sarbakhsh P. Identifying factors related to mortality of hospitalized COVID-19 patients using machine learning methods. *Heliyon*. 2024;10(15).
42. Ghahremaninasab P, Nadrian H, Ghassab-Abdollahi N, Sarbakhsh P, Zarghami F. Doing Housework with a Walker? No Way!": Exploring the Perceptions of Community-Dwelling Frail Older Adults and Their Informal Caregivers on "Informal Caregiver-Induced Forced Immobility. *Journal of the Korean Academy of Family Medicine*. 2024.
43. Ghaffary S, Javidnia A, Beheshtirouy S, Sadeghi J, Akbari AM, Hamishehkar H, et al. Comparison of global decolonization efficacy with mupirocin nasal drop and chlorhexidine mouthwash in acute leukemia patients: randomized clinical trial. *Supportive Care in Cancer*. 2024;32(1):42.
44. Darvish Mohammadi P, Ghalami Nobar A, Shaseb E, Hosseini M, Sarbakhsh P, Mostafa Gharabaghi M. Effects of Beracsurf and Curosurf in the Treatment of Respiratory Distress Syndrome in Preterm Infants. *Iranian Biomedical Journal*. 2024;28(7):128-.
45. Behzad H, Mashayekhi S, Asham H, Sarbakhsh P, Entezari-Maleki T. Evaluating the effects of empagliflozin in preventing myocardial injury in patients undergoing percutaneous coronary intervention: A double-blind, randomized clinical trial. *Journal of Cardiovascular and Thoracic Research*. 2024;16(2):113.
46. Barzegar V, Sarbakhsh P, Valizadeh R, Gholampour A. Air Quality Variations and Influence of COVID-19 Lockdown Restrictions on it in Tabriz, Iran. *International Journal of Environmental Research*. 2024;18(6):109.
47. Baradarani T, Roshangar F, Jabbarzadeh Tabrizi F, Sarbakhsh P, Parvan K. Diagnostic thinking and its association with clinical competence among Iranian nurses in emergency departments. *Journal of Research Development in Nursing and Midwifery*. 2024;21(2):33-6.
48. Aziznejhad E, Dadashzadeh A, Sarbakhsh P, Asghari E, Tabrizi FJ. The Presence of Women in Pre-Hospital Emergency Medical Services from the Perspective of the Staff: A Cross-Sectional Feasibility Study. *Journal of Critical Care Nursing*. 2024;17(1).
49. Azari H, Morovati A, Gargari BP, Sarbakhsh P. An Updated Systematic Review and Meta-Analysis on the Effects of Probiotics, Prebiotics and Synbiotics in Autism Spectrum Disorder. *Review Journal of Autism and Developmental Disorders*. 2024;11(3):489-503.
50. Asghari E, Shakeri M, Parvan K, Sarbakhsh P, Davoodi A. Emergency nurses' knowledge and adherence to tissue plasminogen activator guidelines for patients with stroke. *Hayat*. 2024;30(1):48-61.
51. Asghari E, Jabarzadeh F, Sarbakhsh P, Kajabadi A, Davoodi A. Clinical reasoning and its relationship with innovation in nurses working in emergency departments of Tabriz teaching hospitals. *Iran Journal of Nursing*. 2024;36(146):576-89.
52. Asghari E, Dadashzadeh A, Sarbakhsh P, Aziznejhad E. Engagement of female staff in prehospital emergency medical services from the perspective of service recipients: development and psychometric testing of the scale. *Journal of Research in Applied and Basic Medical Sciences*. 2024;10(1):35-46.

53. Amrahi Tabieh A, Sarbakhsh P, Namjoo S, Akbari H, Allahverdipour H. Investigating the Relationship Between Sleep Quality, Sleep Duration, and Frailty Syndrome Among Older Adults in Naqadeh, 2020. *Iranian Journal of Epidemiology*. 2024;19(4):280-9.
54. Zare M, Shateri Z, Nouri M, Sarbakhsh P, Eftekhari MH, Pourghassem Gargari B. Association between urinary levels of 8-hydroxy-2-deoxyguanosine and F2a-isoprostane in male football players and healthy non-athlete controls with dietary inflammatory and antioxidant indices. *Frontiers in nutrition*. 2023;9:1101532.
55. Zare M, Nouri M, Zare S, Leilami K, Sarbakhsh P, Eftekhari MH, et al. Plant-based diet index among male footballers and their non-athlete controls. Is it associated with oxidative stress biomarkers? 2023.
56. Zare M, Makhtoomi M, Mansouri F, Nouri M, Sarbakhsh P, Eftekhari MH, et al. Diet diversity and food quality score in male football players and healthy non-athlete controls in relation to oxidative stress biomarkers: a descriptive-analytical study. *BMC Sports Science, Medicine and Rehabilitation*. 2023;15(1):136.
57. Teymouri P, Sarbakhsh P, Taghipour H, Roshani M, Dehghanzadeh R. Modeling fuel consumption and emissions by taxis in Tabriz, Iran: uncertainty and sensitivity analyses. *Environmental Science and Pollution Research*. 2023;30(33):80655-75.
58. Shaseb E, Ghaffary S, Vaez H, Sarbakhsh P, Khani E. Clustering of Deceased Patients with COVID-19 in Iran Based on Clinical Features in Hospitalization. *Journal of Pharmaceutical Care*. 2023.
59. Shabestari MM, Ghahramanian A, Roshangar F, Tabrizi FJ, Zamanzadeh V, Sarbakhsh P. Measuring Nurses' Uncertainty in Clinical Decision-making: An Integrative Review. *The Open Nursing Journal*. 2023;17(1).
60. Sarbakhsh P, Jafari N, Salemi S, Akbarnejad R. Predictors of pediatric COVID-19 vaccination: a case-control study in Tabriz, Iran. *BMC pediatrics*. 2023;23(1):379.
61. Sarbakhsh P, Ghaffary S, Shaseb E. Evaluation of factors related to the survival of hospitalized patients with COVID-19: Survival analysis with frailty approach. *Disaster Medicine and Public Health Preparedness*. 2023;17:e30.
62. Sarbakhsh P, Adigozali H, Rezaei M, Hemati A, Salahzadeh Z, Qorbanalipour K. The Comparative Evaluation of the Neck and Trunk Muscle Endurance in Females and Males with and without Forward Head Posture. 2023.
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68. Moslemi E, Dehghan P, Khani M, Sarbakhsh P, Sarmadi B. The effects of date seed (*Phoenix dactylifera*) supplementation on exercise-induced oxidative stress and aerobic and anaerobic performance following high-intensity interval training sessions: a randomised, double-blind, placebo-controlled trial. *British Journal of Nutrition*. 2023;129(7):1151-62.
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74. Khiali S, Taban-Sadeghi M, Sarbakhsh P, Khezerlouy-Aghdam N, Namdar H, Salehi R, et al. Empagliflozin and colchicine in patients with reduced left ventricular ejection fraction following ST-elevation myocardial infarction undergoing primary percutaneous coronary intervention: a study protocol for a randomized, double-blinded, three-arm parallel-group, controlled trial. *Trials*. 2023;24(1):645.
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85. Esmealy L, Allahbakhshian A, Gholizadeh L, Khalili AF, Sarbakhsh P. Effects of early mobilization on pulmonary parameters and complications post coronary artery bypass graft surgery. *Applied Nursing Research*. 2023;69:151653.
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300. Delnavaz S, Dadashzadeh A, Hasankhani H, Roshangar F, Sarbakhsh P, Fathiazar E. A SURVEY ON KNOWLEDGE AND PRACTICE LEVEL OF THE NURSING STUDENT ABOUT EMERGENCY SEVERITY INDEX TRIAGE.
301. Asli AI, asr St V. Final Sensitivity and Specificity of Different Test Combinations in Screening.

4.2 International conference oral/ poster presentation (from the most recent)

1. Beheshti Roy S, Mohammadzadeh P, **Sarbakhsh, P**, Shasab E, Sannat Z, Gholami N, Bostani,F, Akbari F, Ghaffari S. Effect of memantine in taxane-induced neuropathy in patients with breast cancer-randomized clinical trial. The first international congress and the 21st annual congress of the Iranian Medical Oncology and Hematology Association. Tabriz,Iran; 2022.
2. Matin H, Nadrian H, **Sarbakhsh P**, Shaghaghi A. Factorial Structure and Psychometric Analysis of the Persian Version of Perceived Competence Scale for Diabetes; 10th International Conference on Health, Treatment and Health Promotion, the Georgia; 2022.
3. Janani, Jannat doost, Seyed rasuli, Valizadeh, **Sarbakhsh P**, Comparison of side effects in two methods of endotracheal suctioning (open and closed) in premature infants under mechanical. 5th International Society for Evidence-Based Healthcare Congress, Kish Island, Iran, 2017.
4. Rezaii M. Salahzadeh Z, Talebi m, **Sarbakhsh P**, Azghani M. Evaluating the posture of the head, cervical spine, thoracic spine and shoulder girdle in patients with and without chronic headache. The 3rd International Physiotherapy Congress of Iran. Tehran, Iran; 2019.
5. Shafi' A, Mohammadzadeh Z, Amiri SH, Arfai A, **Sarbakhsh P**, Safi S, working memory and executive functions in patients with internet addiction disorder, 24th International Conference on Safe Community. Tabriz, Iran; 2019.
6. Rezaii M. Salahzadeh Z, **Sarbakhsh P**. Neck and trunk flexor and extensor muscle endurance in forward head posture. International Physiotherapy Congress. Tehran, Iran; 2018.
7. Janani R, Jannat doost A, Seyed rasuli E, Valizadeh L, **Sarbakhsh P**. Comparison of side effects in two methods of endotracheal suctioning (open and closed) in premature infants under mechanical. 5th International Society for Evidence-Based Healthcare Congress, Kish Island, Iran, 2017.
8. Bakhtari F, Bidar M, **Sarbakhsh P**, Nadrian H, Matlabi H, Factor associated with delivery type among Iranian women. the 3rd international and 8th national congress on Health Educationand Promotion. 2017.
9. Shamizadeh T, Jahangiri L, **Sarbakhsh P**. Screening for pre diabetes and risk assessment among rural population, The 3rd international and 8th national congress on Health Educationand Promotio, 2017.

10. Shamizadeh T, Jahangiri L, **Sarbakhsh P**. A physical activity intervention program for rural pre diabetic population: the study protocol for a randomized controlled trial, The 3rd international and 8th national congress on Health Education and Promotion, 2017.
11. Sarbazi E, Shamshirgaran M, **Sarbakhsh P**, Savadi Oskoei D, Mohammad Yazdchi, Predictors of intermediate-term Mortality of Ischemic Stroke Patients in East Azerbaijan, 8th Iran epidemiology congress & 1th international clinical epidemiology congress 2016.
12. Leili Faraji, Mohammad Asghari, Morteza Shamshirgaran, **Parvin Sarbakhsh**. Application of the generalized additive model for assessment of functional limitation among diabetic patients in Northwest of Iran. The 11th international congress of Endocrine disorders, 2016.
13. Shamshirgaran M, Ghafari S, **Sarbakhsh P**, Najafipour F. Prevalence of hypertension and pre-hypertension among people 35 and older in Khameneh: results of pilot phase of Azar cohort study, 2014. The 8th Iranian Epidemiology Congress and the 1st International Congress of Clinical Epidemiology, At Ilam University of Medical Sciences. Ilam, Iran; 2016.
14. Shamshirgaran M, Ghafari S, **Sarbakhsh P**, Najafipour F. Prevalence of diabetes and pre-diabetes among people 35 and older in Khameneh: results of pilot phase of Azar cohort study, 2014. The 8th Iranian Epidemiology Congress and the 1st International Congress of Clinical Epidemiology, At Ilam University of Medical Sciences. Ilam, Iran; 2016.
15. **Sarbakhsh P**, Mehrabi Y, Houwing J, Daneshpour M, Zayeri F Transition Logic regression analysis of association of gene polymorphisms with low HDL during 10 years: Tehran Lipid and Glucose Study. European Mathematical Genetics Meeting, Leiden University Medical Center; 2013; Netherlands.
16. **Sarbakhsh P**, Mehrabi Y, Daneshpour M, Zayeri F, Namdari M. Logic regression analysis for triglyceride level and some candidate gene polymorphisms: Tehran lipid and glucose study. The 9th international congress of Endocrine disorders; 2011; Iran.
17. **Sarbakhsh P**, Mehrabi Y, Zayeri F. Association analysis of some polymorphisms and low HDL with logic regression: Tehran lipid and glucose study. The 9th international congress of Endocrine disorders; Tehran, Iran; 2011.
18. **Sarbakhsh p**. Evaluation trend of prevalence of Type2 diabetes in Iranian population in 1999-2008 with Generalized estimating equations model. 11th students' International Conference on Biomedical and Interdisciplinary Research, Bandar Abbas, Iran. 2010.
19. Mehrabi Y, **Sarbakhsh P**. Logic regression and its application in predicting diabetes among population of 20-year-old and over in district 13 of Tehran. 10th students' International Conference on Biomedical and Interdisciplinary Research, Tehran, Iran. 2009.
20. Ghasemi A, **Sarbakhsh P**. Nitric oxide and clustering of metabolic syndrome components in pediatrics. 3th International conference of Quality Improvement in Clinical Laboratories. Tehran, Iran. 2007.

4.3. National conference oral / poster presentation (from the most recent)

1. Beyrami M, Soltani A, Eftekhari B, **Sarbakhsh P**, Eteraf M. Effectiveness of high-power laser in clinical and ultrasound indicators of people with rotator cuff tendonitis. The 32nd Annual Congress of the Iranian Physiotherapy Association. Tehran, Iran; 2022.
2. Nikmohamadi N, **Sarbakhsh P**, Gilani N. Introduction of Shared Frailty Cox Models with Parametric and Non-parametric Distributions and their Application in Medical data. The 15th Iran Statistics Conference. Yazd, Iran; 2020.
3. Amiri SH, Farhang S, Derakhshan S, Khaniani M, **Sarbakhsh P**. Analysis of DAT1 molecular changes in children with attention deficit hyperactivity disorder (ADHD) in response to methylphenidate treatment. 9th national conference of child and adolescent psychiatry. Tehran, Iran; 2019.
4. Jamali M, **Sarbakhsh p**, Sadeghi H, Bakhtari f, daneshvar J. Rige PLS and its application in high dimension data. The 14th Iran Statistics Conference. Shahrod, Iran; 2019.
5. Dadashzadeh A, Hasankhani H, Roshangar F, Delnavaz S, **Sarbakhsh P**. Comparing the effect of Scenario based Triage education by lecture and role playing on knowledge and practice of nursing students. The 13th Annual Congress of Emergency Medicine. Tehran, Iran; 2018.
6. Hosseini M, GhafFari S, **Sarbakhsh P**. Gentamicin utilization evaluation in preterm neonates who admitted to neonate intensive care unit (NICU). IPSC. 2017. Hamedan, Iran, 2017.
7. Akhlaghi P, **Sarbakhsh P**, Amini I. Determination of CT calibration curve using Stoichiometric method for radiotherapy treatment planning. the second optimization conference in radiation therapy. Mashhad, Iran; 2017.
8. Iranpour A, Yazdani Sh, **Sarbakhsh P**. Determination of clinical decision rule for estimation of bone mineral density in women. The 7th annual research of students of Shahid Beheshti University of Medical Sciences. Tehran, Iran; 2012.
9. **Sarbakhsh P**. Associations between vitamin D and cardiovascular outcomes; Tehran Lipid and Glucose Study. The 7th annual research of students of Shahid Beheshti University of Medical Sciences. Tehran, Iran; 2012.
10. Hosseini M, Ghasemi S, **Sarbakhsh P**. Comparison of health promotion behaviors of people with coronary artery disorders hospitalized and those referred to health centers in Tehran. the 5th national seminar of midwifery nurses and research; 2012.
11. **Sarbakhsh P**, Mehrabi Y, Zairi F, Daneshpour M. Extending of Logic Regression for Longitudinal Data Analysis. 11th Iranian Statistics Conference. Tehran, Iran; 2012.
12. Namdari M, Taheri T, Abdi A, **Sarbakhsh P**. Application of fuzzy logistic regression in modelling food pattern. 11th Iranian Statistics Conference. Tehran, Iran; 2012.
13. **Sarbakhsh P**. Using logic regression to identify the interaction effects of some gene polymorphisms and other risk factors on low HDL level. 8th annual research congress of students of Shahid Beheshti University of Medical Sciences. Tehran, Iran; 2012.

14. **Sarbakhsh P**, Mehrabi Y. Analysis of association of genes polymorphisms with High Cholesterol using Logic regression: Tehran lipid and glucose study. The first student symposium on the role of basic science in health promotion, Shahid Beheshti School of Allied Medical Sciences. Tehran, Iran; 2011.
15. **Sarbakhsh P**, Mehrabi Y. Prediction of diabetes using logical regression, the 6th annual research conference of students of Shahid Beheshti University of Medical Sciences. Tehran, Iran; 2011.
16. **Sarbakhsh P**. Evaluation trend of prevalence of Type2 diabetes in Iranian population in 1999-2008 with Generalized estimating equations model. The 11th Congress of Medical Sciences Students of Iran. **Sarbakhsh P**. Bandar Abbas, Iran; 2010.
17. Mehrabi Y, **Sarbakhsh P**. Introduction of logic regression and its application for predicting the prevalence of diabetes. The 10th Iran Statistics Conference. Tabriz, Iran; 2009.
18. **Sarbakhsh P**. Prediction of diabetes in the population over 20 years old in the 13th district of Tehran using logic regression (Award winning article of the congress). The 10th Congress of Iranian Medical Sciences Students, Tehran, Iran University of Medical Sciences. 2009.
19. **Sarbakhsh P**. prevalence and etiology of diarrhea in children in developing countries: A Meta-Analysis. 9th Iranian Statistical Conference; Esfahan, Iran; 2007.
20. Shabani M, Rambad M, Hamaili H, **Sarbakhsh P**, Esfahani F, Hossein Panah F. The relationship between changes in body mass index and the risk of cardiovascular diseases. The first congress on obesity and its prevention. Tehran, Iran; 2007.

4.4 Books

1. Behnaz Abiri, Paul C. Guest, **Parvin Sarbakhsh**, and Mohammadreza Vafa. Physical Exercise and Natural and Synthetic Products in Health and Disease, chapter Testing the Physical and Molecular Effects of Nutritional Supplements and Resistance Exercise in Middle-Aged Females. Humana press, 2021.ISBN: 978-1-0716-1558-4 (book chapter)

4.5 Grants

My Most recent research grants:

Funding body	Grant number	Project title	Year
TBZMED		Grant of university's active researcher	2025
TBZMED		Grant of university's active researcher	2024
TBZMED		Grant of university's active researcher	2023

TBZMED	2269	Grant of university's active researcher	2022
TBZMED	17872	Grant of university's active researcher	2021
TBZMED	3645	Grant of university's active researcher	2020
TBZMED	70419	Determining factors affecting the death of hospitalized patients with Covid-19 based on machine learning methods	2023
TBZMED	69652	Evaluation of complications of Covid-19 vaccination in children 5 to 12 years old in Tabriz	2022
TBZMED	68967	Investigating the performance of the semi-parametric method in adjusting auxiliary variables and comparing it with the parametric method in increasing the efficiency of estimating the effect of surfactant on the treatment of respiratory distress syndrome in premature infants	2022
TBZMED	67691	Predicting Intensive Care Unit Admission among Hospitalized COVID-19 Patients by artificial neural network method	2021
TBZMED	66223	Clustering of pedestrians died in East Azarbaijan in the last 10 years based on factors related to traffic accidents: humans, environment, vehicle	2020
TBZMED	65975	Evaluation of factors affecting the survival time of patients with Covid19 hospitalized in Imam Reza Hospital of Tabriz: Survival analysis with with frailty models approach	2020
TBZMED	65870	Using clustering methods to determine the behavioural pattern of pedestrians and comparing their efficiency	2019
TBZMED	62580	Spatiotemporal data clustering based on mixture model and its application in clustering of air pollutants data registered in the air quality monitoring stations of Tabriz	20192
TBZMED	59390	Interactions between risk factors of road injury related to mortality based on data of traffic injury	2018
TBZMED	59410	Application of Partial least squares-based methods to analyse traffic data and comparison their performance with common method	2017
TBZMED	60517	Statistical methods to identify optimal biomarker combinations and their application in classification of biomedical data	2016

5. PROFESSIONAL ACTIVITIES

- **Professor of Biostatistics**, Academic member of Department of Statistics and Epidemiology: February 2025 – present, Tabriz University of Medical Sciences
 - **Associate Professor of Biostatistics**, Academic member of Department of Statistics and Epidemiology: August 2020 – present, Tabriz University of Medical Sciences
 - **Assistant Professor of Biostatistics**, Academic member of Department of Statistics and Epidemiology: November 2013- August 2020, Tabriz University of Medical Sciences
 - **Dean of Department** of Statistics and Epidemiology: 18August 2020 – 2 November 2022
 - **Dean of Department** of Statistics and Epidemiology: 18May2018 – 18 August 2020
 - **Cooperation with Clinical Development Research Center** of Shohada Hospital, as biostatistician Tabriz University of Medical Sciences, Tabriz, Iran, since 2018 to present.
 - **Cooperation with Clinical Development Research Center** as of Razi Hospital as biostatistician, Tabriz University of Medical Sciences, Tabriz, Iran, since 2018 to present.
 - **Cooperation with Women's Health Research center** as principal biostatistician, Tabriz University of Medical Sciences, Tabriz, Iran, during 2015-2016
 - **Cooperation with Research Institute of Endocrine Sciences** as principal biostatistician, Shahid Beheshti University of Medical Science, Tehran, Iran. 2005-2012
 - **The executive secretary of the one-day seminar on spirituality and health.** Tabriz University of Medical Sciences; 2013.
 - **Counselor and supporter of Talented students**, Tabriz University of Medical Sciences. Since 2017 to present.
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6. CONTRIBUTION TO SCIENCE

6.1 Reviewer for peer-review International Journals such as:

- Health Promotion Perspectives (HPP)
- International Journal of Endocrinology and Metabolism
- Archive of clinical infectious diseases
- Research and Development in Medical Education (RDME)
- Plus One (PONE)
- Journal of Research in Medical Sciences (JRMS)
- Clinical Epidemiology and Global Health
- Complementary Therapies in Medicine
- Phytotherapy research
- International Journal of Cancer Management
- Iranian Journal of Public Health (IJPH)
- Iranian Journal of Cancer Prevention
- International Journal of Endocrinology and Metabolism
- Computational and Mathematical Methods in Medicine
- BMJ Paediatrics Open
- Pharmaceutical sciences
- Heliyon

- Koomesh
- JOURNAL OF CHILD AND ADOLESCENT PSYCHIATRIC NURSING
- Journal of Biostatistics and Epidemiology
- Journal of Multidisciplinary Healthcare
- Journal of health research in community

6.2 Ph.D. Student Thesis Marking: More than 20 Thesis

6.3 M.Sc. Student Thesis Marking: More than 100 Thesis

6.4 Research Plans reviewer: More than 100 plans

6.5 Co-working in Research Plans: More than 200 projects

6.6 Workshops Executed (selected. More than 30 Workshop)

- Workshop on “Sample Size Determination for Clinical Trials” for Students in Tabriz Medical University, 2022, Tabriz, Iran
- Workshop on “Structural Equation Modelling” for Ph.D. Students of Tabriz Medical University, 2019, Tabriz, Iran
- Workshop on “Introduction to SPSS level 1” for post-graduate Students of Tabriz Medical University, 2017, Tabriz, Iran
- Workshop on “Introduction to SPSS level 2” for post- graduate Students of Tabriz Medical University, 2017, Tabriz, Iran
- Workshop on “R Software” for Academic member of statistics and epidemiology department, Tabriz Medical University, 2015, Tabriz, Iran
- Workshop on “validity and reliability of instruments” for statistics students. National Statistics conference 2015, Tehran, Iran.
- Workshop on “Meta-Analysis” for Academic Members Tabriz Medical University, 2015, Tabriz. Iran
- Workshop on “Statistics using SPSS” for Ph.D. student of Shahid Beheshti University of Medical sciences, 2010 Tehran, Iran.

6.7 Workshops Participated (selected. More than 30 Workshop)

- Workshop on “New lifestyle”. Management of cultural affairs, Tabriz University of Medical Sciences. Tabriz, Iran; 2022.
- 6-month course (67 hours) on “Ethics in Research and Publication”, Tabriz University of Medical Sciences, Tabriz, Iran, 2019.
- Workshop on “Moral intelligence in research”, Resaerch and Develpoment Coordination Centet (RDCC), Tabriz University of Medical Sciences, Tabriz, Iran, 2019.
- Workshop on “Principles of correspondence with scientific journals”, Tabriz University of Medical Sciences, Tabriz, Iran, 2019.
- Workshop on “relative survival analysis using R”, research center of Modelling in Health, Kerman University of Medical Sciences, Kerman, Iran, 2019.
- Workshop on “longitudinal data analysis”, research center of modelling in Health, Kerman University of Medical Sciences, Kerman, Iran, 2019.
- Workshop on “Academic skills training course”, Tabriz University of Medical Sciences, Tabriz, Iran, 2018.
- Workshop on “Knowledge Translation”, Resaerch and Develpoment Coordination Centet (RDCC), Tabriz University of Medical Sciences, Tabriz, Iran, 2018.
- Workshop on systematic review, The Joanna Briggs Institute, Tabriz University of Medical Sciences, Tabriz, Iran; 2017

- Safety and traffic instructor training course. Tabriz University of Medical Sciences, Tabriz, Iran, 2018.
- Workshop on “Thought Banquet”, Education Development Center (EDC), Tabriz University of Medical Sciences, Tabriz, Iran, 2014.
- Workshop on “Association analysis Advanced Genetic”, Leiden University Medical Centre, Leiden, Netherlands; 2013.
- Workshop on “Thought Banquet”, Education Development Center (EDC), Tabriz University of Medical Sciences, Tabriz, Iran, 2011.
- Biomedical informatics workshop. Shahid Beheshti University of Medical, Tehran, Iran; 2010.
- Advanced workshop on research methods in clinical sciences. Shahid Beheshti University of Medical. Tehran, Iran; 2008.

7. TEACHING EXPERIENCE

7.1 I have been involved in the teaching of the following subjects (2006 – present): (more than 300 credits)

1. Statistics and Probability for **B.Sc.** Students
2. Statistical Computations with Computer for **B.Sc.** Students
3. Medical Statistics for **M.Sc.** Students
4. Biostatistics for **M.Sc.** Students
5. Biostatistics for **B.Sc.** Students
6. Biostatistical Methods in Epidemiology for **B.Sc.** Students
7. Scientific Writing for **M.Sc.** Students
8. Applied Multivariate Statistics for **M.Sc.** Students
9. Introduction to Categorical Data Analysis for **M.Sc.** Students
10. Applied Linear Statistical Models for **M.Sc.** Students
11. Survival Analysis for **M.Sc.** Students
12. Design and analysis Clinical trial for **M.Sc.** Students
13. Statistical Modelling for **Ph.D.** Students
14. Applied Linear Statistical Models for **Ph.D.** Students
15. Advanced Biostatistics for **Ph.D.** Students
16. The Design and Analysis of Experiments for **Ph.D.** Students
17. Advanced Multivariate Analysis for **Ph.D.** Students

7.2 Graduate Thesis Main Supervisor of:

- 1) **Khazani Y.** Adjustment of covariates to increase the efficacy of estimating the effect of intervention in randomized controlled clinical trials based on a semi-parametric approach. MSc. Project, Faculty of Health Sciences, Tabriz University of Medical Sciences Tabriz University of Medical Sciences, Tabriz, Iran, 2022.

- 2) **Nikmohamadi, N.** Health care providers' effect on long-term mortality after the first-ever stroke: Application of shared frailty survival model, M.Sc. Project, Faculty of Health Sciences, Tabriz University of Medical Sciences, Tabriz, Iran, 2020.
- 3) **Saipoure P,** Spatiotemporal data clustering based on mixture model and its application in the clustering of air pollutant data registered in the air quality monitoring stations of Tabriz. MSC. Project. Faculty of Health Sciences, Tabriz University of Medical Sciences, Tabriz, Iran, 2019.
- 4) **Jamali-dolatabad J.** Application of PLS based methods to analyze traffic data and comparison their performance with common methods. M.Sc. Project, Faculty of Health Sciences, Tabriz University of Medical Sciences, Tabriz, Iran, 2017.
- 5) **Faraji L.** Statistical methods for determining optimal combinations of biomarkers and their application in medical data classification. M.Sc. Project, Faculty of Health Sciences, Tabriz University of Medical Sciences, Tabriz, Iran, 2015.
- 6) **Jabari S,** Validity and Reliability of the Persian Version of the Henry Ford Hospital Headache Disability Inventory Questionnaire, M.Sc. Project, Faculty of Rehabilitation, Tabriz University of Medical Sciences, Tabriz, Iran, 2015
- 7) **Taghizadeh A,** Evaluating the effects of PAXLOVID oral medication on coronavirus disease: a systematic review and meta-analysis. Doctor of pharmacology Project, Faculty of pharmacology, Tabriz University of Medical Sciences, Tabriz, Iran, 2022.
- 8) **Hassanzadeh R,** Application of machine learning variable selection methods to identify related genes with survival time of lung cancer patients. MSc. Project, Faculty of Health Sciences Tabriz University of Medical Sciences, Tabriz, Iran; 2023.

7.3 Graduate Thesis Advisor of:

- PhD Students: More than 30 theses
- MSc and MD Students: More than 200 theses

8. MEMBERSHIP OF SCIENTIFIC SOCIETY

- Member of the research ethic committee of Tabriz University of medical sciences. 14/December/2017 - present
- Member of the research and educational committee of Health faculty of Tabriz University of medical sciences. 18/May/2019- present
- Member of Research committee of road traffic accident Injury Prevention Center, Tabriz University of Medical Sciences; 2018 - 2019.

- Member of Iranian Biostatistics Society; since 2019.
 - Member of Iranian statistics Society; since 2012.
 - Member of the women committee of Iranian Statistics Society; 2024-present
 - Member of the committee to review the scientific aspects of the covid-19 disease, Tabriz University of medical sciences; since 2020 to present
 - Member of Covid-19 research committee, Tabriz University of medical sciences . since 2022-present
 - Member of the traffic health and safety review team; since 2022-present
 - Member of Health faculty of Tabriz University of medical sciences evaluation committee; Since 2021-present
 - Member of Health Faculty of Tabriz University of medical sciences Curriculum Planning Committee; 2011-present.
 - Member of the national committee for the evaluation of educational resources for health and traffic safety; 2015-2016.
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 - Member of Education management team and medical science education and educational accreditation committee of Shohada Hospital, Tabriz University of medical sciences. Since 2022-present.
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9. LANGUAGE ABILITIES

Azeri (Native Language), Persian (National Language), English (Professional Language)

10. COMPUTER LITERACY AND PROFICIENCY SKILLS SUMMARY

Computer literacy and proficiency in Microsoft Office, Web tools, EndNote, and statistical software:

R, SPSS, MINITAB, SAS, SPLUS, STATISTICA, STATA, LISREL, Prism (GraphPad), EQS, PLS, AMOS, MPlus, NCSS, PASS, STATDIRECT, Comprehensive Meta-Analysis, AHP, PS, Epi-Info, G-Power, Random Allocation Software, E-Views, MATLAB, smart PLS.

11. REFEREES

1. Professor Yadolla Mehrabi

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