

CURRICULUM VITAE

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Education

Ph.D in Statistics	2008	Shiraz University
MSc in Statistics	2001	Shiraz University
BSc in Stastistics	1999	Shahid Chamran University

Skills

Software R | BUGS | SPSS | T_EX
Language Persian (*native*) | English

Fields of Study

Bayesian Analysis | Survival Analysis

Presentation

1. Rasekhi, A. (2022), Cure models in survival analysis using power series distributions, *The 8th Seminar on Reliability Theory and its Applications*, Ferdowsi University, Mashhad, Iran.
 2. Rasekhi, A. (2019), Asymptotic distribution of test statistic for Testing Laplace against Cauchy, *The 12th Seminar on Probability and Stochastic Processes*, Semnan, Iran.
 3. Rasekhi, A. (2015), Testing linear against Constant Hazard Function, *The 10th Seminar on Probability and Stochastic Processes*, Yazd, Iran.
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Publications

- [1] Azar Jafari-Koulaee, Eesa Mohammadi, Mary T Fox, Aliakbar Rasekhi, and Ozra Akha. The relationships between activities of daily living, depression, and quality of life in older adults with multiple chronic conditions: A path analysis. *Clinical Gerontologist*, 49(1):108–119, 2026.
- [2] Mozghan Derakhshan-sefidi, Bita Bakhshi, Aliakbar Rasekhi, and Roya Saeidnejad. Exploring the frontier of oral nanomedicine in colorectal cancer therapy: Folate-targeted 5fu-nisin-selenium conjugates and probiotic-rich diets as a novel approach. *Asian Journal of Pharmaceutical Sciences*, page 101106, 2025.
- [3] Azar Jafari-Koulaee, Eesa Mohammadi, Mary T Fox, Aliakbar Rasekhi, and Ozra Akha. Effects of the care transition intervention on hospital readmission and quality of life in older adults with multiple chronic conditions: A mixed methods study. *International Journal of Nursing Studies*, page 105257, 2025.
- [4] Maedeh Amini, Anoshirvan Kazemnejad, Aliakbar Rasekhi, Azam Amirian, and Nourossadat Kariman. Early prediction of gestational diabetes mellitus using first trimester maternal serum pregnancy-associated plasma protein-a: A cross-sectional study. *Health Science Reports*, 7(10):e70090, 2024. <https://onlinelibrary.wiley.com/doi/full/10.1002/hsr2.70090>.
- [5] Tayebe Shahbazi, Bita Bakhshi, Aliakbar Rasekhi, Mohammad Sadegh Fazeli, and Fatemeh Fallah. Significant presence of clostridioides difficile in colorectal cancer patients by taqman real-time pcr. *Iranian Journal of Medical Microbiology*, 18(2):5–5, 2024.
- [6] Tayebe Shahbazi, Bita Bakhshi, Aliakbar Rasekhi, Mohammad Sadegh Fazeli, and Fatemeh Fallah. Significant reduction of saccharomyces cerevisiae in the gut microbiota of colorectal cancer patients from iran. *Infection Epidemiology and Microbiology*, 11(3):239–245, 2025.
- [7] Zahra Hasani, Mitra Khoobi, and Aliakbar Rasekhi. Impact of ethics education on nicu nurses competence in ethical challenges in neonatal intensive care. *Advances in Neonatal Care*, 25(5):454–464, 2025.
- [8] Elham Mehrabi, Eesa Mohammadi, Aliakbar Rasekhi, Esfandiar Asgari, and Fatemeh Rezayat. Coping strategies and related factors among patients with cancer during the covid-19 pandemic in tehran, iran (2021–2022). *Iranian Journal of Nursing and Midwifery Research*, 30(4):517–523, 2025.

- [9] Mahdi Khani, Fazlollah Ahmadi, AliAkbar Rasekhi, and Yousef Mohammadpour. Comparison of stress, anxiety, and depression levels in nurses in specialized and general ward. *Iranian Journal of Nursing and Midwifery Research*, 30(1):103–109, 2025.
- [10] Mozhgan Derakhshan-Sefidi, Bita Bakhshi, and Aliakbar Rasekhi. Vibriocidal efficacy of bifidobacterium bifidum and lactobacillus acidophilus cell-free supernatants encapsulated in chitosan nanoparticles against multi-drug resistant vibrio cholerae o1 el tor. *BMC Infectious Diseases*, 24(1):905, 2024.
- [11] Mahin Adeli, Farid Zayeri, Ali Akbar Rasekhi, Zahra Kiani, and Payam Amini. Impact of decision aids on screening prostate cancer: A systematic review with a meta-analysis. *Iranian Red Crescent Medical Journal (IRCMJ)*, 26(1), 2024.
- [12] Bahareh Bahrampour, Shadab Shahali, Minoor Lamyian, and Aliakbar Rasekhi. Sexual health literacy among rural women in southern iran. *Scientific Reports*, 14(1):17377, 2024.
- [13] Mozhgan Derakhshan-Sefidi, Bita Bakhshi, and Aliakbar Rasekhi. Thiolated chitosan nanoparticles encapsulated nisin and selenium: antimicrobial/antibiofilm/anti-attachment/immunomodulatory multi-functional agent. *BMC microbiology*, 24(1):257, 2024.
- [14] Kamel Fatemeh Sedighi, Aliakbar Rasekhi, Shahpar Haghighat, et al. Bayesian analysis of factors affecting long-term and short-term survival of breast cancer patients using the smooth semi-nonparametric mixture cure model. 2024.
- [15] Azar Jafari-Koulaee, Eesa Mohammadi, Mary T Fox, Aliakbar Rasekhi, and Ozra Akha. Predictors of basic and instrumental activities of daily living among older adults with multiple chronic conditions. *BMC geriatrics*, 24(1):383, 2024.
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