DR MOZHGAN TANHAPOUR

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📍 Medical Informatics Department, School of Allied Medical Sciences, Nazlou Campus, Urmia University of Medical Sciences, Urmia, Iran.

MEMBER OF ACADEMIC ASSOCIATIONS

- • Iranian Association of Medical Informatics

PERSONAL DETAILS

- **Date of Birth** : 30/12/1998

- **Biography** : I was born in Kermanshah, I live in Karaj, Alborz. I have a Ph.D. in Medical Informatics from the Tehran University of Medical Sciences, Tehran, Iran. I work as an assistant professor at Urmia University of Medical Science.

- **Scholar Link** : https://scholar.google.com/citations?user=H5tY3GMAAAAJ&hl=en&oi=ao

- **ISID Link** : https://isid.research.ac.ir/Mozhgan_Tanhapour

EDUCATION

2008-2012	**Bachelor of Sciences (B.Sc.) in Computer Engineering (Software), Razi University, Kermanshah, Iran** Bachelor Supervisor: Mahmood Ahmadi, Associate Professor, Department of Computer Engineering and Information Technology, Razi University, Kermanshah, Iran
2014-2017	**Master of Science (M.Sc) in Medical Informatics, Tarbiat Modares University, Tehran, Iran** Master Supervisor: Ali Asghar Safaei, Associate Professor of Medical Informatics, Department of Medical Informatics, School of Medical Sciences, Tarbiat Modares University, Tehran, Iran
2019-2024	**Ph.D. of Medical Informatics, Tehran University of Medical Sciences, Tehran, Iran.** Ph.D Supervisors: 1. Niloofar Mohammadzadeh, Associate Professor of Health Information Management, Department of Health Information Management, School of Allied Medical Sciences, Tehran University of Medical Sciences, Tehran, Iran 2. Sharareh Rostam Niakan Kalhori, Associate Professor of Medical Informatics, Department of Health Information Management, School of Allied Medical Sciences, Tehran University of Medical Sciences, Tehran, Iran

SKILLS

- • Programming Languages: C++, C#, MATLAB (Beginner), Python (Beginner)
- • Designing software: IBM Rational Rose, StarUML, Edraw Max, etc.
- • Statistical Software: SPSS
- • Datamining Software: RapidMiner, Weka
- • Reference Manager Software: Mendeley, EndNote
- • Meta-Analysis Software: CMA, MetaDiSc

LANGUAGES

- Persian
- English

WORK EXPERIENCE

- • Member of the Executive Committee of the Second National Congress of Medical Informatics and the Seventh Iranian Conference on e-Health, July 2018, Tarbiat Modares University, Tehran, Iran
- • Cooperation as a representative of the graduates in the internal evaluation of the field of medical informatics of Tarbiat Modares University, 2021

TEACHING EXPERIENCE

- • "Statistical Analysis of Biological Data Using SPSS", 17th National and 8th International Congress of Biochemistry and Molecular Biology on August 23-26, 2022 at Tehran University of Medical Sciences
- • "Statistics and SPSS Training", Research Diploma Course, on March 9-11, 2021, Students' Scientific Research Center, Tehran University of Medical Science
- • "SPSS", Webinar of Research School of Dental Students Scientific Research Center (DSSRC), October 22, 2021, Tehran University of Medical Science

HONORS

- • Top Ph.D Student of the School of Allied Medical Sciences, Tehran University of Medical Sciences, 2024
- • Superior Workshop Speaker, "Statistical Analysis of Biological Data Using SPSS", 17th National and 8th International Congress of Biochemistry and Molecular Biology on August 23-26, 2022 at Tehran University of Medical Sciences
- • Superior Thesis of Iran's best theses festival, special award for Professor Hasabi, 2020, Thesis Title: Design and Modeling of Health Social Network as a Personal Health Record System, Master Thesis
- • Superior Researcher of Iran's best theses festival, special award for Professor Hasabi, 2020, For Master Course

BOOK PUBLICATIONS

- Book
  • Editor of the proceeding book of Second National Congress of Medical Informatics and the Seventh Iranian Conference on e-Health, July 2018, Tarbiat Modares University, Tehran, Iran, http://mieh-2018.modares.ac.ir/page/93/%DA%A9%D8%AA%D8%A7%D8%A8%DA%86%D9%87-%D9%85%D9%82%D8%A7%D9%84%D8%A7%D8%AA
- Book Chapter
  • Tanhapour M, Niakan Kalhori SR. Early Warning System for Emergency Care: Designing a Timely Monitoring Mobile-Based System. In: Accident and Emergency Informatics, Deserno TM. et al. (Eds.), 2022, 88-102, IOS Press, https://ebooks.iospress.nl/ISBN/978-1-64368-275-4.

RESEARCH PROJECTS

- 1. "Design and Implementation of a Framework for Development of Virtual/Augmented Reality- Based Medical Education Applications", For National Agency for Research in Medical Education (NASR), 2018
- 2. "Expansion Modeling and Activity Level Prediction for COVID-19 using Twitter Social Network Data", For Tehran University of Medical Science, 2020-2022, Role: Co-PI
- 3. "Social Networks Data Analysis Methods and Application in Viral Infectious Epidemics: A Systematic Review", For Tehran University of Medical Science, 2020-2022
- 4. "E-health Literacy and Associated Factors Among Type 2 Diabetes Patients: A Cross-Sectional Survey", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2022-Present
- 5. "Empathy, Communication, and Shared Decision-Making: A Recipe for Better Therapeutic Relationships", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2022-Present
- 6. "Development and Evaluation of a Recommender System for Improving the Level of Self-care Care for Patients with Type 2", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, and The School of Allied Medical Science, Tehran University of Medical Science, 2022-Present, Role: Co-PI

- 7. "Design and Evaluation of a Mobile-Based Self-Care Monitoring System for Type 2 Diabetes Patients with Caregivers' Network Collaboration", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2022-Present, Role: Co-PI

- 8. "Usability Evaluation and Cultural Adaptation of a Patient Decision Aid for Type 2 Diabetes in Iran", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2022-Present

- 9. "Assessing the Power of Complete Blood Count Derived Inflammatory Indices in the Prediction of Diabetic Nephropathy and Developing Machine Learning Diagnostic Models", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2023-Present

- 10. "Factors Associated with Diabetes Distress in Patients with Type 1 and Type 2 Diabetes: A Systematic Review and Meta-Analysis", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2023-Present

- 11. "A systematic review of game-based digital systems for training healthy nutrition to patients with diabetes" For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2024-Present, Role: Co-PI

- 12. "Evaluating the effect of multimedia education programs on the performance and self-care in diabetic patients", For Diabetes Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Science, 2024-Presen

JOURNAL PAPERS

- 1. Tanhapour M, Mohammadzadeh N, Rostam Niakan Kalhori SH, Shakibian H, Peimani M, Nasli Esfahani E, Individualized Self-Care Training Systems for Type 2 Diabetes Patient: A Systematic Review on Characteristics of Randomized Controlled Trials (RCTs), Universal Access in the Information Society, Accepted 2024 July 26

- 2. Peimani M, Tanhapour M, Bandarian F, Nasli-Esfahani E, Ostovar A. Measuring electronic health literacy in the context of diabetes care: psychometric evaluation of a Persian version of the condition-specific eHealth literacy scale for diabetes. BMC Medical Informatics and Decision Making. 2024 Jul 5;24(1):189.

- 3. Tanhapour M, Peimani M, Rostam Niakan Kalhori S, Nasli Esfahani E, Shakibian H, Mohammadzadeh N, Qorbani M. The effect of personalized intelligent digital systems for self-care training on type II diabetes: a systematic review and meta-analysis of clinical trials. Acta Diabetologica. 2023 Aug 4:1-33.

- 4. Tanhapour M, Safaei AA, Shakibian H. Personal health record system based on social network analysis. Multimedia Tools and Applications. 2022 Aug;81(19):27601-28.

- 5. Tanhapour M, Keikha L, Maghooli K, Rostam Niakan Kalhori S. Determining the progression stages of liver fibrosis in patients with chronic hepatitis B. Koomesh 2022; 24 (5) :639-647.

- 6. Kolivand P, Saberian P, Tanhapour M, Karimi F, Kalhori SR, Javanmard Z, Heydari S, Talari SS, Mousavi SM, Alidadi M, Ahmadi M. A systematic review of Earthquake Early Warning (EEW) systems based on Artificial Intelligence. Earth Science Informatics. 2024 Feb 24:1-28.

- 7. Safdari R, Gholamzadeh M, Saeedi S, Tanhapour M, Rezayi S. An evaluation of the quality of COVID-19 websites in terms of HON principles and using DISCERN tool. Health Information & Libraries Journal. 2022 Aug 10.

- 8. Mohammadzadeh N, Rezayi S, Tanhapour M, Saeedi S. Telecardiology interventions for patients with cardiovascular Disease: A systematic review on characteristics and effects. International Journal of Medical Informatics. 2022 Feb 1;158:104663.

- 9. GHAZI SM, Tanhapour M. Telemedicine System: A Mandatory Requirement in Today', s World. Journal of Payavard Salamat, 2022: 490-507.

- 10. Safdari R, Gholamzadeh M, Rezayi S, Tanhapour M, Saeedi S. Telehealth and telemedicine in response to critical coronavirus: A systematic review. Iranian Red Crescent Medical Journal. 2021 Sep 14;23(9).

- 11. Safdari R, Rezayi S, Saeedi S, Tanhapour M, Gholamzadeh M. Using data mining techniques to fight and control epidemics: A scoping review. Health and Technology. 2021 Jul;11:759-71.

- 12. Kalhori SR, Tanhapour M, Gholamzadeh M. Enhanced childhood diseases treatment using computational models: Systematic review of intelligent experiments heading to precision medicine. Journal of Biomedical Informatics. 2021 Mar 1;115:103687.

- 13. Tanhapour M, Safaei AA. Specification of a social network-based PHR. International Journal of Electronic Healthcare. 2018;10(4):249-74.

- 14. Tanhapour M, Safaei AA. Designing and Modeling Personal Health Record Systems Based on Health Social Network. Journal of Health and Biomedical Informatics. 2017 Dec 10;4(3):168-80.

- 15. Tanhapour M, Safaei AA. Offering the Efficient Command and Control Organizational Architecture Framework base on Social Network Analysis for Crisis Management in Iran, Journal of Command and Control, 2016:1-15.
- 16. Tanhapour M, Safaei AA. Specification of requirements for health social-network as Personal Health Record (PHR) system. Tehran University Medical Journal. 2015 Sep 1;73(6).

INTERNATIONAL CONFERENCE PAPERS:

- 1. Tanhapour M, Rostam Niakan Kalhori SH, Ayyoubzadeh SM, Shahry P, Mobile Health Apps to Mental Support of Pregnant Women: Review and Content Analysis using Mobile Application Rating Scale (MARS), In 6th International Congress on Mobile Health, 18-20 Feb, 2025, Shiraz, Iran
- 2. Mahmoudi B, Rahimi B, Feizollahzadeh S, Lotnezhad Afshar H, Tanhapour M, Exploring AI Models in m-Health Geolocation-based Applications for Self-Managing of Respiratory Allergic Diseases: A Systematic Review, In 6th International Congress on Mobile Health, 18-20 Feb, 2025, Shiraz, Iran
- 3. Mahmoudi B, Feizollahzadeh S, Lotnezhad Afshar H, Tanhapour M, Rahimi B, Design, Development and Evaluation of a Mobile Application for Alerting and Reducing Allergic Patient's Exposure to Environmental Pollutants in the City of Urmia, In 6th International Congress on Mobile Health, 18-20 Feb, 2025, Shiraz, Iran
- 4. Kashani K, Amini B, Samimi T, Hosseini SM, Tanhapour M, Veisi S, Hosseini E, Evaluation of Mobile Applications for Pregnancy Health Using the MARS Tool, In 6th International Congress on Mobile Health, 18-20 Feb, 2025, Shiraz, Iran
- 5. Rostam Niakan Kalhori SH, Tanhapour M, Deserno TM, Unobtrusive Monitoring of Clinical Deterioration in Smart Homes, Accepted in 34th Medical Informatics Europe Conference, 2024, Aug, Greece
- 6. Saeedi S, Kalhori SR, Rezayi S, Tanhapour M, Gholamzadeh M. Medical Informaticians' Skills and Competencies to Achieve Roles and Opportunities: A Qualitative Study. In Digital Professionalism in Health and Care: Developing the Workforce, Building the Future 2022 Aug 1 (pp. 66-72). IOS Press.

NATIONAL CONFERENCE PAPERS:

- 1. Tanhapour M, Safaei AA, Internet of Things in Healthcare: Applications and Challenges, In the Second National Congress of Medical Informatics and the Seventh Iranian Conference on e-Health, July 2018: 30-31, http://mieh-2018.modares.ac.ir/page/93/%DA%A9%D8%AA%D8%A7%D8%A8%DA%86%D9%87-%D9%85%D9%82%D8%A7%D9%84%D8%A7%D8%AA
- 2. Tanhapour M, Safaei AA, A Web 2.0 Framework for Medicinal Herb and Traditional Medicine, Array. ActaHealthMedica. 2017 Jan 3;2(1):157. http://ichsmt.org/Journals/ojs/index.php/AHM/article/view/558