Azadeh Aletaha, PhD

Dr Azadeh Aletaha, PhD
Assistant Professor in Evidence Synthesis and Health Research Methodology

Evidence synthesis specialist with expertise in systematic reviews, meta-analysis, evidence mapping, clinical effectiveness research, and evidence-informed healthcare decision-making

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Research profile

Academic Employment and research Experience

Assistant Professor in Medical Information Science

Faculty of Allied Medical Sciences, Tehran University of Medical Sciences (TUMS), Tehran, Iran 2023–Present

Research and Academic Responsibilities

- Conduct research in evidence synthesis, systematic review methodology, medical information science, and evidence-informed healthcare.
- Lead and collaborate on systematic reviews, meta-analyses, evidence mapping studies, and methodological research projects.
- Develop research protocols, design search strategies, conduct evidence appraisal, and support rigorous synthesis of healthcare evidence.
- Collaborate with multidisciplinary teams including clinicians, researchers, statisticians, and health information specialists.
- Supervise undergraduate and postgraduate students in research projects, particularly systematic reviews and evidence-based healthcare topics.
- Contribute to curriculum development and teaching of Evidence-Based Medicine (EBM), systematic review methodology, critical appraisal, biomedical information retrieval, and research methods.

Senior Researcher

Evidence-Based Medicine Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran. 2011–Present

Research Contributions

- Conduct and coordinate evidence synthesis projects, including systematic reviews, meta-analyses, network meta-analyses, and evidence mapping studies.
- Provide methodological expertise in literature searching, study selection, risk-of-bias assessment, data extraction, and evidence interpretation.
- Support researchers and clinicians in developing evidence-based research projects and translating evidence into healthcare decision-making.
- Collaborate on multidisciplinary research initiatives in clinical medicine, public health, and health information science.
- Contribute to research training activities in evidence-based medicine and systematic review methodology

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Research Leadership and Project Experience

As a research lead, I actively contribute to all stages of evidence synthesis projects, including developing research questions, designing protocols, developing search strategies, supervising screening and data extraction processes, conducting methodological assessments, interpreting findings, and supporting publication and knowledge translation

Evidence Synthesis and Systematic Review Research Leadership

- Led and collaborated on multidisciplinary evidence synthesis projects, including systematic reviews, meta-analyses, network meta-analyses, and evidence mapping studies.
- Developed research protocols, structured clinical questions, designed comprehensive search strategies, and applied rigorous methods for evidence identification, appraisal, synthesis, and interpretation.
- Coordinated collaboration among clinicians, researchers, statisticians, and health information specialists to conduct high-quality evidence synthesis projects.
- Provided methodological expertise in systematic review processes, including literature searching, study selection, risk-of-bias assessment, data extraction, and evidence interpretation.

Research Lead – AI and Automation in Evidence Synthesis

- Development of Automated Approaches for Improving Evidence Synthesis and Clinical Research Reporting

- Developed research approaches investigating the application of artificial intelligence and automated information extraction methods to improve systematic review workflows.

- Designed and evaluated an automated outcome extraction framework for randomized controlled clinical trials.
- Investigated methodological challenges related to extraction of clinical outcomes, trial reporting quality, and efficient evidence generation.
- Developed expertise at the intersection of evidence synthesis methodology, medical informatics, and artificial intelligence.

Selected Evidence Synthesis Projects

- Systematic Review and Network Meta-analysis of Probiotics, Prebiotics, and Synbiotics for Type 2 Diabetes Management

Role: Lead Researcher / Evidence Synthesis Investigator

- Conducted comparative evaluation of interventions using systematic review and network meta-analysis methodology.
- Applied advanced evidence synthesis approaches to assess comparative effectiveness and safety of interventions.
- Contributed to evidence generation for clinical decision-making in metabolic health.

Systematic Review and Meta-analysis of Herbal Medicines in Obesity and Metabolic Syndrome

Role: Evidence Synthesis Investigator

- Conducted systematic review and quantitative synthesis of clinical evidence.
- Evaluated intervention effectiveness and methodological quality of included studies.
- Contributed to evidence-based evaluation of complementary interventions.

Systematic Review and Meta-analysis of Motor Control Training for Lumbar Disc Herniation

Role: Evidence Synthesis Investigator

- Applied systematic review methodology to evaluate clinical effectiveness of rehabilitation interventions.
- Conducted critical appraisal and synthesis of evidence from clinical studies.

Evidence Mapping and Research Evaluation Projects

- Conducted evidence mapping and research landscape analyses to identify evidence gaps and research priorities.
- Applied bibliometric and scientometric approaches to evaluate research trends, impact, and knowledge development.
- Contributed to improving understanding of evidence availability and research priorities in healthcare domain.

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Teaching Experience and Educational Leadership
Assistant Professor / Faculty Member

Tehran University of Medical Sciences, Iran
2011–Present
Delivered and developed undergraduate, postgraduate, faculty development, and professional training programmes in evidence-based healthcare, health information science, research methodology, digital health, and medical education.

Evidence-Based Medicine and Evidence Synthesis

- Teach Evidence-Based Medicine (EBM), systematic review methodology, and evidence synthesis approaches for healthcare students, researchers, and clinicians.
- Provide training in advanced literature searching, biomedical databases, evidence retrieval, critical appraisal, risk-of-bias assessment, and evaluation of randomized controlled trials.
- Advise researchers on designing systematic review projects, developing research questions, selecting appropriate methodologies, and conducting evidence synthesis.
- Conduct workshops on scientific writing, research methodology, literature review development, and evidence-based research practices

Biomedical Information Retrieval and Digital Health Education

- Teach advanced searching strategies in biomedical databases, including PubMed, Scopus, Web of Science, and evidence-based medicine resources.
- Deliver training on information retrieval techniques, search strategies, and research source management tools (e.g., EndNote).
- Teach digital library concepts, medical databases, health information systems, and electronic learning approaches.
- Provide education on telemedicine tools, tele-clinical librarian services, and digital approaches supporting healthcare information access

Medical Informatics, Scientometrics and Research Evaluation

- Teach courses in scientometrics, bibliometrics, webometrics, and altmetrics.
- Provide training in research evaluation methods and scientometric software, including HistCite, Pajek, UCINET, and VOSviewer.
- Teach concepts related to research visibility, scholarly communication, and knowledge mapping

Mobile Health, Telemedicine and Digital Healthcare

- Teach courses on mobile health (mHealth) applications for patient monitoring, including diabetes and diabetic foot care.
- Provide training on telemedicine tools for clinicians and clinical librarians.
- Contributed to implementation of tele-clinical librarian services through digital library platforms to support clinical questions from physicians in underserved areas

Faculty Development and Educational Leadership
Education Development Center, Kerman University of Medical Sciences
2008–2012

- **Supported training and empowerment of faculty members and students in digital library development and e-learning initiatives.**
- **Developed and facilitated workshops on:**
    - Digital libraries and medical portals
    - Medical database searching strategies

    - Multimedia development for e-learning
    - Information retrieval skills for healthcare education
- Contributed to development of online learning resources and educational technology initiatives.

Teaching Experience at Kerman University of Medical Sciences
2008–2012
Delivered undergraduate, postgraduate, and doctoral-level courses in:

- Medical English and academic English language skills
- TOEFL preparation courses
- Information Technology and Information Systems
- Digital libraries and health information management
- Medical databases and information retrieval
- Evidence-based medicine resources
- E-learning technologies

Teaching at Endocrinology and Metabolism Research Institute
Tehran University of Medical Sciences
2012–Present
Delivered professional development courses for researchers and faculty members in:

- Critical thinking skills and scientific reasoning
- Science, media, and democracy
- Scientometrics, bibliometrics, webometrics, and altmetrics
- Scientific writing and research communication

Selected Teaching Topics

- Evidence-Based Medicine (EBM)
- Systematic Review Methodology
- Risk of Bias Assessment
- Randomized Controlled Trials (RCTs)
- Medical Database Searching
- PubMed, Scopus, Web of Science Searching Strategies
- Scientific Writing
- Research Methodology
- Medical Education
- Digital Health
- Telemedicine
- Mobile Health (mHealth)
- Scientometrics and Research Evaluation
- Altmetrics and Research Visibility

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Selected Publications and Research Output
Research outputs include peer-reviewed publications in evidence synthesis, systematic review methodology, clinical effectiveness research, medical informatics, and evidence-informed healthcare.
Selected Peer-Reviewed Publications

Evidence Synthesis and Clinical Effectiveness Research

1. **Aletaha A, et al.**
   Comparative efficacy and safety of probiotics, prebiotics, and synbiotics for type 2 diabetes management: a systematic review and network meta-analysis.
   Diabetes & Metabolic Syndrome: Clinical Research & Reviews, 2024.

Contribution:

- Led evidence synthesis activities including systematic review methodology, comparative effectiveness assessment, and interpretation of findings

2. **Payab M, Aletaha A**, et al.
   Effect of herbal medicines on obesity and metabolic syndrome: a systematic review and meta-analysis.
   Phytotherapy Research, 2020.

Contribution:

- Contributed to systematic review design, evidence appraisal, and quantitative synthesis of clinical evidence

3. **Pourahmadi M, Aletaha A**, et al.
   Motor control training for lumbar disc herniation: systematic review and meta-analysis.
   British Journal of Sports Medicine, 2022.

Contribution:

- Contributed to evidence synthesis evaluating effectiveness of rehabilitation interventions

4. **Jayedi A, Aletaha A, Zeraattalab-Motlagh S, Shahinfar H, Mohammadpour S, Mirrafiei A, Jibril AT, Soltani A, Shab-Bidar S.**

Comparative efficacy and safety of probiotics, prebiotics, and synbiotics for type 2 diabetes management: a systematic review and network meta-analysis.
Diabetes & Metabolic Syndrome: Clinical Research & Reviews. 2024;18(1):102923.

Contribution:

- Contributed to advanced evidence synthesis using systematic review and network meta-analysis methodology.
- Evaluated comparative effectiveness and safety of interventions for type 2 diabetes management

5. **Nejad SS, Golzari Z, Zangiabadian M, Khozani AA, Ebrahimi R, Nejadghaderi SA, Aletaha A. The association between zinc and prostate cancer development: A systematic review and meta-analysis.**
   PLOS ONE. 2024;19(3):e0299398.

Contribution:

- Contributed to systematic review methodology and quantitative synthesis of evidence examining nutritional factors and cancer risk.
- Supported evidence-based interpretation of associations between biomarkers and disease outcomes

6. **Zangiabadian M, Sharifian Ardestani M, Rezaee M, Saberi Sharbabaki E, Nikoohemmat M, Eslami M, Goudarzi K, Sanjari M, Namazi MH, Akbarzadeh MA, Aletaha A.**

Fragmented QRS, a strong predictor of mortality and major arrhythmic events in patients with nonischemic cardiomyopathy: A systematic review and meta-analysis.

Health Science Reports. 2024;7(2):e1888.

Contribution:

- Contributed to evidence synthesis evaluating prognostic factors and cardiovascular outcomes.
- Applied systematic review and meta-analysis approaches in clinical cardiology research

7. **Payab M, Aletaha A, et al.**

Effect of herbal medicines on obesity and metabolic syndrome: a systematic review and meta-analysis.

Phytotherapy Research. 2020.

Contribution:

- Contributed to evidence synthesis assessing effectiveness of complementary interventions in metabolic disorders

Methodological Evaluation of Clinical Evidence

Aletaha A, Malekpour MR, Keshtkar AA, Baradaran HR, et al.

A methodological quality review of citations of randomized controlled trials of type 2 diabetes in leading clinical practice guidelines and systematic reviews.

Contribution:

- Evaluated methodological quality and reporting of evidence sources used in clinical guidelines and systematic reviews.
- Investigated the reliability and transparency of evidence supporting healthcare recommendations

Clinical Evidence and Diagnostic/Prognostic Research

Javady-Nejad Z, Jamshidi AR, Aletaha A, Qorbani M, et al.

The presence of abnormal septal motion on echocardiography is a predictor of abnormal cardiac magnetic resonance in systemic sclerosis.

Contribution:

- Contributed to clinical evidence evaluation in diagnostic and prognostic research.
- Supported assessment of imaging-based predictors in complex systemic disease

Research Impact Summary

- Published peer-reviewed research in systematic reviews, meta-analyses, network meta-analysis, evidence appraisal, and clinical effectiveness research.
- Developed expertise in synthesizing evidence across metabolic diseases, oncology, cardiology, and diagnostic research.
- Contributed to methodological research improving the quality, transparency, and reliability of healthcare evidence.

- Applied evidence synthesis approaches to clinically relevant questions supporting evidence-informed decision-making

Educational Innovation and Digital Learning

Development of Digital Learning Resources and Educational Technologies

- Contributed to the development and implementation of digital learning initiatives in medical education and health information science.
- Developed and facilitated workshops on digital libraries, medical portals, e-learning resources, and information retrieval strategies for healthcare education.
- Supported faculty members and students in the use of educational technologies for accessing, managing, and applying biomedical information.
- Contributed to the development of multimedia learning materials and e-learning resources for teaching medical databases and evidence retrieval skills

Tele-clinical Librarian Services and Digital Health Education

- Implemented tele-clinical librarian services through digital library platforms to support physicians in underserved areas by answering clinical information questions.
- Developed experience in applying digital information services to improve access to evidence-based healthcare resources.
- Delivered training on telemedicine tools and digital health applications for clinicians and clinical librarians

E-learning and Online Education Development

Education Development Center, Kerman University of Medical Sciences
2008–2012

- Supported the development of e-learning programmes and digital educational resources within medical education settings.
- Provided training on:
    - Digital library development
    - Medical database searching
    - Information retrieval strategies
    - Multimedia content development for e-learning
    - Educational technology applications
- Participated in empowering faculty members and students to design and implement technology-enhanced learning activities.

Integration of Digital Health and Evidence-Based Learning

- Integrated digital health concepts, biomedical information resources, and evidence-based approaches into educational programmes.

- Developed educational activities combining health information technology, evidence retrieval, and clinical decision support.
- Promoted the use of digital resources to enhance evidence access and lifelong learning among healthcare professionals

Research Methods and Technical Skills

Evidence Synthesis and Systematic Review Methodology

- Design and conduct of systematic reviews and meta-analyses.
- Development of structured research questions using evidence-based frameworks.
- Systematic literature searching and evidence identification.
- Development and refinement of search strategies for biomedical databases.
- Study selection, data extraction, and evidence synthesis.
- Risk of bias assessment and methodological appraisal of clinical studies.
- Evaluation of randomized controlled trials (RCTs) and clinical evidence.
- Evidence mapping and identification of evidence gaps.
- Network meta-analysis methodology and comparative effectiveness assessment.

Biomedical Information Retrieval and Database Expertise

- Advanced searching in biomedical and multidisciplinary databases, including:
    - PubMed/MEDLINE
    - Scopus
    - Web of Science
    - Cochrane Library
    - Other evidence-based medicine resources
- Expertise in:
    - Boolean searching techniques
    - Controlled vocabulary and subject headings
    - Search strategy development
    - Information retrieval methods
    - Literature screening and evidence discovery

Research Methodology and Clinical Research Skills

- Research design and methodological evaluation of healthcare studies.
- Critical appraisal of clinical research evidence.
- Assessment of reporting quality and methodological limitations of studies.
- Evaluation of evidence supporting clinical guidelines and systematic reviews.
- Scientific writing and preparation of research manuscripts.
- Development of research protocols and methodological guidance for researchers.

Artificial Intelligence and Automation in Evidence Synthesis

- Research experience in applying artificial intelligence and information extraction approaches to improve evidence synthesis workflows.
- Development of an automated outcome extraction framework for randomized controlled clinical trials as part of PhD research.
- Understanding of natural language processing (NLP) approaches for extracting information from biomedical literature.
- Application of automation concepts to improve efficiency and reproducibility of evidence synthesis processes.

Bibliometrics, Scientometrics and Research Evaluation

- Conducting bibliometric and scientometric analyses to evaluate research trends, impact, and knowledge development.
- Experience with research evaluation approaches including:
    - Bibliometrics
    - Scientometrics
    - Webometrics
    - Altmetrics
- Experience with scientometric and network analysis tools:
    - VOSviewer
    - HistCite
    - Pajek
    - UCINET

Reference Management and Research Software

- Reference management:
    - EndNote
- Evidence synthesis and research workflow support:
    - Systematic review management approaches
    - Literature screening and evidence organization tools
- Data visualization and research mapping:
    - VOSviewer
    - Network visualization tools

Digital Health and Health Information Technologies

- Health information systems and digital health applications.
- Telemedicine and tele-clinical librarian services.
- Mobile health (mHealth) applications for healthcare monitoring.
- Digital libraries and electronic learning systems in healthcare education.

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BOOKS AND BOOK CHAPTERS

Book Chapters

Soltani A, Aletaha A, Larijani B. Evidence-Based Medicine in Endocrinology.
In: *Interdisciplinary Advances in Endocrinology.* Springer Nature Singapore, 2025, pp. 71–84

Books Under Development / Preparation

Aletaha A, Soltani A.
Scientific Writing Book.
Status: Under publication.

Aletaha A, Bahadini K.
Distance Clinical Information in Medicine.
Status: In final stage.

Aletaha A, Soltani A, Nemati-Anaraki L.
Guidelines for Evidence-Based Medical Searching.
Status: In final stage.

Aletaha A, Nemati-Anaraki L, Soltani A.
Clinical Information Guidebook in Hospitals.
Status: In final stage.

Aletaha A, Nemati-Anaraki L, Soltani A.
Practical Guide to Python in Health Projects.
Status: Under preparation.

International Conference Presentations

Evidence Live, University of Oxford, UK

22–24 June 2016

Oral Presentation

Global collaborative networks on randomized controlled trials (RCTs) on diabetes mellitus published in impact factor medical journals between 2004–2014: A social network analysis.

Oral Presentation

Assessment of the reporting quality of randomized controlled trial articles in the field of diabetes. 7th Conference of E-learning in Medical Education Tehran University of Medical Sciences, Iran | 2014

Poster Presentation

Teaching Electronic Evidence-Based Medicine (EBM) in Clinical Practice: The EBM E-Learning Project. 59th International Conference of Indian Library Association (ILA) Indian Institute of Technology Roorkee, India | 2014

Oral Presentation

Determining the taxonomy of common physicians' clinical questions in outpatient services and satisfaction score of tele-clinical librarian responses in rural and underserved areas of Iran.

ISDM/ISEHC International Conference, University of Sydney, Australia | 2015.

Oral Presentation

Conceptualization of Category-Oriented Likelihood Ratio: A Useful Tool for Clinical Diagnostic Reasoning. 5th International Society for Evidence-Based Healthcare Congress

Kish Island, Iran

Oral Presentation

Assessment of the quality of reporting randomized controlled trials in diabetes between high and low impact factor and SJR journals.

Oral Presentation

Critical appraisal of the reporting quality of randomized controlled trial articles in the field of diabetes in medical guidelines. School of Medicine Anniversary Conference Mashhad University of Medical Sciences | 2016

Oral Presentation

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Research Leadership and project Management

Project Manager / Research Collaborator

Tehran University of Medical Sciences – Evidence-Based Medicine Research Center & Endocrinology and Metabolism Research Institute
2010–Present

Lead and collaborate on multidisciplinary research projects in evidence synthesis, clinical research methodology, health information science, digital health, and research evaluation.

1. Evidence Synthesis and Systematic Review Research

Project Manager – Evidence Synthesis and Clinical Effectiveness Research

Selected projects include:

- Motor Control Exercise for Symptomatic Lumbar Disc Herniation: A Systematic Review and Meta-analysis
- Efficacy, Safety, and Mechanisms of Herbal Medicines Used in the Treatment of Obesity: A Systematic Review and Meta-analysis
- Comparative Effects of Tea and Coffee Consumption on Weight Loss in Adults: A Systematic Review and Network Meta-analysis
- Fragmented QRS as a Predictor of Mortality and Arrhythmic Events in Patients with Non-Ischemic Cardiomyopathy: A Systematic Review and Meta-analysis
- Predictors of Pacemaker Requirement in Patients with Implantable Loop Recorder and Unexplained Syncope
- Artificial Intelligence Methods for Differentiation of Malignant and Benign Thyroid Nodules: A Systematic Review (2025)
- Vitamin D Supplementation for Steatotic Liver Disease in Children and Adolescents: A Systematic Review and Meta-analysis (2026)

2. Evidence Synthesis Methodology and Clinical Trial Evaluation

Project Manager – Quality, Reporting, and Utilisation of Randomized Controlled Trials

Selected projects:

- Quality Assessment of Randomized Controlled Trial Publications in Diabetes: A Global Systematic Review and Meta-analysis
- Assessment of Reporting Quality of RCTs in Diabetes Across High- and Low-Impact Factor Journals
- Methodological Systematic Review of Primary Outcomes and Outcome Measures Reporting in Randomized Controlled Trials Evaluating Diabetes Interventions
- Assessment of the Use of Diabetes RCT Evidence in Clinical Guidelines and Systematic Reviews
- Global Collaboration Networks in Diabetes Randomized Controlled Trials: A Scientometric and Social Network Analysis

3. Artificial Intelligence and Automation in Evidence Synthesis

Research Lead – AI Applications in Clinical Research and Evidence Generation

Selected project:

- Automating Information Extraction in Clinical Trials and Systematic Reviews: A Scoping Review
- Development of an Evidence-Based Decision Support System (EB-DSS) for Randomized Clinical Trials and Systematic Reviews in Diabetes

Research focus:

- Automated information extraction
- Improving efficiency of evidence synthesis workflows
- Digital approaches for clinical research support

4. Scientometrics, Bibliometrics, Altmetrics and Research Evaluation

Project Manager – Research Mapping and Scholarly Impact Analysis

Selected projects:

- Bibliometric Analysis of Evidence-Based Medicine Publications of the Endocrinology and Metabolism Research Institute (EMRI) Using Scopus Database
- Highly Visible Obesity Publications of Iranian Authors in Social Media: Comparison of Altmetrics and Bibliometrics
- Altmetric Analysis of Osteoporosis Publications in Iran
- Scientific Production in Diabetes Research: Bibliometric and Altmetric Analysis with Evidence Mapping of Iran's Contribution
- Altmetric and Scientometric Analysis of Basic and Applied Clinical Sciences Studies in Stem Cells and Regenerative Medicine

Comprehensive Scientometric Analysis of Global Research Trends in:

- Low-risk Papillary Thyroid Carcinoma
- Liver Cancer (2013–2022)
- Gastric Cancer Immunotherapy
- Colorectal Cancer
- Prostate Cancer Targeted Therapy
- Thalassemia and Gene Therapy

5. Medical Education, Digital Health and Evidence-Based Learning

Project Manager

Selected projects:

- Design, Implementation and Evaluation of an Evidence-Based Medicine Course Using a Virtual Platform
- Assessment of Critical Thinking Education in Medical Curricula Worldwide: A Systematic Review
- Design of a Portal for Answering Physicians' Clinical Questions Using Digital Health Approaches

6. Clinical Decision Support and Knowledge Translation

Research Lead

- **Development of an Evidence-Based Decision Support System (EB-DSS) for Randomized Clinical Trials and Systematic Reviews in Diabetes**

Research aim:

- Supporting evidence-informed clinical research decisions
- Improving access to reliable evidence
- Integrating evidence synthesis with digital decision-support approaches

Evidence-Based Medicine and Evidence Synthesis Workshops

Introduction to Systematic Reviews and Meta-analysis

2019
Tehran University of Medical Sciences

Evidence Synthesis in Systematic Review Studies

- Delivered training on principles and methodological approaches of evidence synthesis.
- Covered systematic review design, evidence identification, appraisal, and synthesis approaches.

Literature Searching in Systematic Review Studies

September 2019
Iran University of Medical Sciences

- Training on developing search strategies and retrieving evidence from biomedical databases.

Assessing Risk of Bias in Randomized Trials (RoB)

July 2021
Iran University of Medical Sciences

- Workshop on methodological assessment of randomized controlled trials and evaluation of internal validity.

Evidence-Based Medicine: Critical Appraisal of Clinical Articles

July 2020
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

Digital Health, Telemedicine and Clinical Information Services

Introduction to Mobile Health in Controlling Diabetic Patients

October 2012
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

How to Use Telemedicine Tools to Improve Patient Care

December 2012
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

Tele-clinical Librarian Model in Digital Libraries as an Evidence-Based Medicine Service

2014
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

- Presented an innovative model for answering physicians' clinical questions through digital information services.

Research Evaluation, Scientometrics and Scholarly Communication

Introduction to Altmetrics and Social Network Analysis in Human Diseases

June 2015
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

Introduction to Scientometric Tools and Research Projects in Medicine

November 2016
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

Introduction to Social Network Analysis

October 2021
Tehran University of Medical Sciences

Introduction to Mendeley Reference Management Software

August 2018
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

Medical Education and Digital Learning

Introduction to Adobe Captivate: E-learning Tools in Medical Education

November 2018

EBM for Nursing Professionals

January 2022
School of Nursing and Midwifery, Iran University of Medical Sciences

EBM for Medical Librarians

February 2022
Iran University of Medical Sciences

Systematic Review Studies in Evidence-Based Medical Education

Scientific Writing and Research Skills Training

How to Write a Scientific Paper

June 2019
Iran University of Medical Sciences

Scientific Article Writing Training

Python Programming Language and Research Methodology Training

Specialized Workshop on Data Science in Medical Studies

Advanced Searching in Biomedical Databases

- PubMed
- Web of Science
- Scopus

CRITICAL THINKING AND SCIENCE COMMUNICATION

A Scientific Guide to Critical Thinking Skills

(Marketing, Scams, Urban Legends, Science, Media and Democracy)
November 2012
Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences

AWARDS AND HONOURS

- Selected as an Elite Student by the **National Elites Foundation, Presidency of the Islamic Republic of Iran**.
- Received an Elite Student Award from the **Gifted and Talented Students Center, Shiraz University of Medical Sciences**.

Professional membership and Academic Service

- Member, **American Society for Information Science and Technology (ASIS&T)**.
- Member, **Iranian Medical Library and Information Science Association**.
- Member, **Iranian Library and Information Science Association**.
- Member, **Iranian Scientific Association of Information Management**.
- Member, **Network of Women Scientists of the Islamic World**.
- Responsible for International Relations Board, **Iranian Medical Library and Information Association**.

Research Funding and Institutional Research Support

My **research activities have been supported through institutional research environments at Tehran University of Medical Sciences**, including:

- Evidence-Based Medicine Research Center, Tehran University of Medical Sciences
- Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences
- Faculty of Allied Medical Sciences, Tehran University of Medical Sciences

These institutional supports have facilitated research activities in:

- Evidence synthesis and systematic reviews
- Clinical research methodology
- Medical information science
- Digital health and evidence-based healthcare
- Scientometrics and research evaluation
- Artificial intelligence and automation approaches in evidence synthesis