


[ISID Link](#)

Professional Summary

I am Zahra Karimian, Associate Professor in Department of e-Learning in Medical Sciences at Shiraz University of Medical Sciences, with over 20 years of experience in teaching and research in higher education, medical education, and e-learning.

I love *Teaching* because I get to work with students, and my greatest ongoing need is *Learning*; Always, at All times, and in Any subject that learning it makes me better.

Educational Certificate

Modular Course in Blended Learning, 2024

Blended Learning in Medical Sciences, Basic and Advance Level, SUMS, 2024

Fellowship in Cultural Studies, 2019

Peace and Freandship, Cultural Affair
Shiraz University of Medical Sciences

Fellowship in Research Methods, 2018

Research and Technology Affair
Shiraz University of Medical Sciences

E-Content Development Courses, 2018

Center of Excellence in e-Learning
Shiraz University of Medical Sciences

Fellowship in Medical Education, 2017

Medical Education Development Center
Shiraz University of Medical Sciences

Fellowship in Electronic Learning, 2016

Center of Excellence in e-Learning
Shiraz University of Medical Sciences

Academic Certificates, 2005 – Present

More than 1000 ^{Hours} Educational Course
Shiraz University of Medical Sciences

Languages

Persian (Native)

English (Good)

Interests



Zahra Karimian

Associate Professor, Shiraz University of Medical Sciences

Virtual School and Center of Excellence in e-Learning
Sadra & Sina Halls, Neshat Street, Shiraz, Iran

Contact Number: (+98)71-32300037 (2021)

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ORCID ID: [0000-0002-5631-6448](#)

Google Scholar: [Link](#)

Research ID: V-1646-2017 [Link](#)

Researchgate: [Link](#)

Employment Experience

Faculty Member of Shiraz University of Medical Sciences

Vice- Chancellor for Research and Technology, Virtual School and Center of Excellence in e-Learning, SUMS, 2015 –2022

Deputy Director of Virtual Education Development, Virtual School and Center of Excellence in e-Learning, SUMS, 2015 –2022

Administrator of Education Development Office (EDO), Virtual School and Center of Excellence in e-Learning, SUMS, 2015 –2022

Academic Expert in Education and Research

Medical Education Development Center, SUMS, 2001 –2014

Educational Background

Ph.D in Higher Education Administration

Faculty of Education and Psychology

Shahid Beheshti University, 2008 -2013

Title of Thesis: Development of Scholarship Management Model in the Iranian Public Universities. Score: .(excellent: 19.75)

MSc in Medical Education

Faculty of Medicine

Shiraz University of Medical Sciences, 2010-2013

Title of Thesis: An Investigation about the effectiveness of Evidence Based Medicine course and finding factors that affects on its deployment from residents' viewpoints.(excellent: 20)

MA in Higher Education Planning and Administration

Faculty of Education and Psychology

Shahid Beheshti University, 2005 -2008

Title of Thesis: An Investigation of research activities' Obstacles based on faculty members' viewpoints. .(excellent: 20)

Bachelor of Science in Health Services Administration

Faculty of Management and Medical Informatics

Shiraz University of Medical Sciences, 1996-2000

Associated degree in Anesthesia

Faculty of Medicine

Isfahan University of Medical Sciences,1991-1993



Employment History

Associate Professor, Department of e-Learning in Medical Sciences

Virtual School and Center of Excellence in e-Learning

Shiraz University of Medical Sciences

2015 – Present

Vice- Chancellor for Research and Technology in Virtual School and Center of Excellence in Medical Sciences

Virtual School and Center of Excellence in e-Learning

Shiraz University of Medical Sciences

2022 – Present

Deputy Director of Virtual Education Development

Virtual School and Center of Excellence in e-Learning

Shiraz University of Medical Sciences

2015 – 2022

Administrator of Education Development Office (EDO) in Virtual School

Virtual School and Center of Excellence in e-Learning

Shiraz University of Medical Sciences

2016 – 2022

Academic Expert in Education and Research

Medical Education Development Center

Shiraz University of Medical Sciences

2001 – 2015

Publication

- English for the Students of e-Learning and Health Information Technology, Shokrpour N, Farahmansi A, Jafari MJ, **Karimian Z**, Mehrabi M, Zarifsanayei N, Shiraz University of Medical Sciences, 2022 (145 Pages).
- What a Medical Teacher Shoud Know, MosalaNejad L, **Karimian Z**, Abdolahi Fard S, FarhangZar M, , Jahrom, Biiniz Publication, 2018, (194 Pages).
- Equity in Health System, Bagheri Lankarani K, Lotfi F, **Karimian Z**, , Health Policy Research Center, Shiraz: Navid Pubication, 2010, (64 Pages).
- Scientific Olympiads for Medica Sciences' Students, Azarpira N, Ebrahimi S, Amini M, Deghani MR, Kojuri J, **Karimian Z**, Lotfi F, , Shiraz: Kooshamehr Pubication, 2010, (98 Pages).



Research Project

- **Karimian Z**, An analysis of the structural equations of the effect of quality, quantity and infrastructure of scientific functions of the university Based on the faculty members viewpoints
Reseach Code 27706
- **Karimian Z**, Chartangi F, Comparison of educational agility components in face-to-face and virtual environments From the point of view of Shiraz University of Medical Sciences students
Reseach Code 26347
- **Karimian Z**, Chartangi F, Shabooni Z, Phenomenological analysis of the lived experience of postgraduate students from e-learning during the corona pandemic in Shiraz public universities (Shiraz University and Shiraz University of Medical Sciences) *Reseach Code 26135*
- **Karimian Z**, Design, Implementation and Evaluation of the Effectiveness of Game and Gamification Course with Scenario-based Approach from the Participants' Point of view, *Reseach Code 24549*
- **Karimian Z**, Farokhi MR, Medical Education and COVID-19 Pandemic: A Crisis Management Model towards an Evolutionary Pathway Shiraz Universities of Medical Sciences, 2020, [Finished] Reseach Code: [99-01-116-22518](#)
- **Karimian Z**, Farokhi MR, Evaluating the Effectiveness of the First e-Learning Summer School in Shiraz University of Medical Education, Shiraz Universities of Medical Sciences, 2018, [Finished] Reseach Code: [1396-01-116-15936](#)
- **Karimian Z**, Farokhi MR, Situational Analysis of the of Virtual Education Development in the 5th Macro regions Universities and providing development strategies Based on the SWOT model, , Shiraz Universities of Medical Sciences, 2018, [Finished] Reseach Code: [97-01-116-17186](#)
- Amini Mitra, Kojuri Javad, Lotfi Farhad, **Karimian Zahra**, Sadeghi Hasan Abadi Ai, Research Priority in Medical education in EMRO, Collaborative research with World Health Organization (WHO), 2008-2009 [Finished].

Journal article

Original Research

1. **Karimian Z**, Mokarram P, Zarifsanaiey N. Comparison of the teaching clinical biochemistry in face-to-face and the flex-flipped classroom to medical and dental students: a quasi-experimental study from IRAN. *BMC Med Educ.* 2024 Feb 13;24(1):137. doi: [10.1186/s12909-024-05051-8](#). PMID: 38350863; PMCID: PMC10863239. [IF=3.6]
2. Karandish M, **Karimian Z***✉, Parastar M. Dental students in an orthodontic course flipped classroom: A semi-experimental study on knowledge, practice, attitude, and satisfaction. *Clinical and Experimental Dental Research* [Whelly]. 2024 Mar 3;10(2). <https://doi.org/10.1002/cre2.868> [IF=2]
3. Barzehkar A, **Karimian Z***✉, Mehrabi M. Investigating the Current and Desired Status of Factors Influencing the Medical Universities' Participation in the Development of Moocs from the Virtual Education Experts' Viewpoints. *RME.* 2024;16 (1):1-11.
4. Barzekar A, Salehi N, **Karimian Z***✉, Mehrabi M. Exploring the Factors Influencing Massive Open Online Courses Development: A Qualitative Study of E-Learning Experts' Perspectives on Iranian Universities of Medical Sciences. *Interdiscip J Virtual Learn Med Sci.* 2024;15(1):33-47. doi: 10.30476/IJVLMS.2024.101164.1280.
5. Khojasteh L, Zarifsanaiey N, **Karimian Z**. Bichronous scientific writing course for medical faculty during Covid-19: a SWOT analysis experience. *Frontiers in Education* [Internet]. 2024 Feb 20;9. <https://doi.org/10.3389/educ.2024.1327087> [IF=2]



6. **Karimian, Z***✉, Moradi, M., Zarifsanaiey, N. *et al.* Which educational messengers do medical students prefer for receiving health information? Development and psychometrics of using health messengers questionnaire. *BMC Public Health* **24**, 139 (2024). <https://doi.org/10.1186/s12889-023-17400-1> [IF=4.6]
7. Zarifsanaiey, N., Farrokhi, M.R., **Karimian, Z.** *et al.* Lesson learned from assessing teachers' and students' perspectives regarding the quality of e-learning in medical education during the pandemic: a mixed-methods study. *BMC Med Educ* **24**, 171 (2024). <https://doi.org/10.1186/s12909-024-05160-4> [IF=3.6]
8. Ahmady, S., Zarifsanaiey, N., **Karimian, Z.**, Shahbazi, S. Design, Implementation, and Evaluation of Online Open-Book Exams: Insights from Medical Students' Perspectives. *Interdisciplinary Journal of Virtual Learning in Medical Sciences*, 2023; 14(4): 330-336. doi: 10.30476/ijvlms.2023.101003.1276
9. Chahartangi F, **Karimian Z***✉. A Comparative Study of the Educational Agility's Dimensions in Face-to-face and Virtual Spaces Based on Medical Students' Views: Experiencing a Change. *jha* 2023; 26 (2) :146-171 URL: <http://jha.iums.ac.ir/article-1-4408-fa.html>
10. **Karimian Z**, Mosallanezhad L, Fakhrzad N, Fakhrzad M. Design, Implementation and Evaluation of Online Scenario- based Gamification Workshop on Participants' Learning and Satisfaction. *RME* 2023; 15 (3) :51-60 URL: <http://rme.gums.ac.ir/article-1-1292-fa.html>
11. **Karimian, Z.**, Barkhor, A., Mehrabi, M. *et al.* Which virtual education methods do e-students prefer? Design and validation of Virtual Education Preferences Questionnaire (VEPQ). *BMC Med Educ* 23, 722 (2023). <https://doi.org/10.1186/s12909-023-04687-2>. [IF=3.66]
12. Mosalanejad, L., Dastpak, M., **Karimian, Z***✉. Acceptance of Gamified Web-Based Education in Mental Illness Courses: A Survey of Medical Students' Perceptions Over 5 Years. *Interdisciplinary Journal of Virtual Learning in Medical Sciences*, 2023; 14(3): 225-237. doi: 10.30476/ijvlms.2023.99871.1253
13. Bahmie N, Mosalanejad L, **Karimian Z**, Emadi N. Ethical faults in cyberspace on the team-based visual art in medical netiquette: A thematic analysis in a five-years experience. *JMED* 2023; 16 (51) :65-75 URL: <http://edujournal.zums.ac.ir/article-1-1735-en.html>
14. Masoudi M, **Karimian Z***✉, Mehrabi M. Investigating the components of virtual education development based on the four-frame model of organizational development. *JMED* 2023; 16 (50) :40-50 URL: <http://edujournal.zums.ac.ir/article-1-1599-en.html>
15. Moradi M, **Karimian Z***✉, Zarifsanaiey N. A Survey Study on the Impact of Contextual Variables on Medical Students' Use of Health Messenger Media. *Interdiscip J Virtual Learn Med Sci*. 2023;14(2):2- 14. doi: 10.30476/ IJVLMS.2023.99255.1237.
16. Khojasteh L, **Karimian Z***✉, Farahmandi AY, Nasiri E, Salehi N. E-content development of English language courses during COVID-19: a comprehensive analysis of students' satisfaction. *J. Comput. Educ.* 2023;10(1):107–33. doi: 10.1007/s40692-022-00224-0. Epub 2022 Mar 26. PMID: PMC8956454. [IF=6.1]
17. Riasatian M, **Karimian Z**, Mohsenpour MA, Faghieh S. Effects of nutrition education via a mobile-based game on nutritional knowledge, dietary habits and anthropometric indices in preschool children: A study protocol. *MethodsX*. 2023 Mar 2;10:102104. doi: 10.1016/j.mex.2023.102104. PMID: 36970028; PMCID: PMC10034486. [IF=1.9]
18. **Karimian Z**, Zare R, Zarifsanaiey N, Salehi N. The effect of video-based multimedia training on knowledge, attitude, and performance in breast self-examination. *BMC Womens Health*. 2022 Jul 18;22(1):298. doi: 10.1186/s12905-022-01877-w. PMID: 35850913; PMCID: PMC9289655. [IF=2.5]
19. Kian L, Zarifsanaiey N, **Karimian Z**. Effect of the e-flipped learning approach on the knowledge, attitudes, and perceived behaviour of medical educators. *BMC Res Notes*. 2022 Jun 27;15(1):227. doi: 10.1186/s13104-022-06119-8. PMID: 35761372; PMCID: PMC9235143. [IF=1.8]



20. Zarifsanaiey N, Sajjadian R, **Karimian Z***✉, Khojasteh L, Shahraki HR. Investigating the effectiveness of Case-Based Technology-Enhanced workshops (e-Flipped vs. Online) among health worker nurses during the COVID-19 pandemic. *Nurs Open*. 2023 Apr;10(4):2329-2337. doi: 10.1002/nop2.1486. Epub 2022 Nov 23. PMID: 36417447; PMCID: PMC10006584. [IF=2.3]
21. **Karimian Z**, Farrokhi MR, Moghadami M, Zarifsanaiey N, Mehrabi M, Khojasteh L, Salehi N. Medical education and COVID-19 pandemic: a crisis management model towards an evolutionary pathway. *Educ Inf Technol (Dordr)*. 2022;27(3):3299-3320. doi: 10.1007/s10639-021-10697-8. Epub 2021 Sep 20. PMID: 34566468; PMCID: PMC8450917. [IF=5.5]
22. Ranjbar Kouchaksaraei S, Keshtkaran Z, **Karimian Z**. The Effect of Training Health Care Providers Using Gamification Method on Social Skills of Preschool Children, *Iran J Psychiatry Behav Sci*. 15(2): e108610. doi: 10.5812/ijpbs.108610 [IF=1]
23. Zare, R., **Karimian***✉, Z., Zarifsanaiey, N. Attitude Barriers to Breast Self-Examination from the Perspective of Women Referred to Health Centers Affiliated with Shiraz University of Medical Sciences. *Women's Health Bulletin*, 2021; 8(1): 10-17. doi: 10.30476/whb.2020.87453.1086
24. Dastghaib S, Shahsavari Z, **Karimian Z**, Mokarram P. Rapid and Cost-Effective RNA Extraction of Rat Pancreatic Tissue. *J Vis Exp*. 2020 Sep 19;(163). doi: 10.3791/61255. PMID: 33016937. [IF=1.2]
25. **Karimian Z***✉. Impact of Summer school e- learning with a Blended Approach On Knowledge , Skill and attitude of Participating Students. *RME*. 2020; 12 (2) :39-49 URL: <http://rme.gums.ac.ir/article-1-913-fa.htm> [Persian].
26. **Karimian Z***✉. Identification of the Determinants of the Academic Functions Quality Based on the Glassick's Six Criteria for Scholarship. *J Med Educ Dev*. 2020; 13 (37) :1-12 URL: <http://zums.ac.ir/edujournal/article-1-1261-fa.html>
27. **Karimian, Z.** *✉, Applicability and Necessity of e-Learning Courses based on participants' viewpoints in the Summer School, *IJVLMS*. 2018; 9 (3) : e81061 URL: <http://ijvlms.com/en/articles/81061.html>
28. **Karimian, Z.** *✉, Farokhi, M. Eight Steps in the Development of Virtual Education in Educational Innovation Plan in Medical Sciences Universities, A review of an experience. *Journal of Medicine and Cultivation*, 2018; 27(2): 101-112 [Persian]. URL: http://www.tebvatazkiye.ir/article_69001_en.html
29. **Karimian Z***✉, Abolghasemi M. Comparison between the Viewpoints of Faculty Members Regarding the Share of Scholarship Functions in Different Disciplines. *J Med Educ Dev*. 2018; 11 (29) :63-76 URL: <http://zums.ac.ir/edujournal/article-1-943-en.html>
30. **Karimian Z***✉, Kojouri J, Sagheb M M. The Review of Barriers to Implementation and Institutionalization of Evidence Based Medicine in Clinical Wards from Residents and Clinical Attending Attending Physicians Viewpoints. *J Med Educ Dev*. 2016; 8 (20) :87-98 URL: <http://zums.ac.ir/edujournal/article-1-482-en.html>
31. **Karimian Z***✉, Abolghasemi M, Sabaghian Z, Pardakhtchi MH. Development of the Concept of Scholarship with Emphasis on the Scholarship of Teaching and Learning; a Qualitative Study in Iranian Universities. *Interdiscip J Virtual Learn Med Sci*. 2015 ; 4(4):69-84. URL: <http://ijvlms.com/en/articles/58987.html> [Persian].
32. **Karimian Z***✉, Kojouri J , Sagheb M M ., A Review of Evidenced-based Medical Education at Universities in and outside Iran, *Interdiscip J Virtual Learn Med Sci*. 2015 ; 6(1):e59069. [Persian]. URL: <http://ijvlms.com/en/articles/59069.html>
33. **Karimian Z***✉, Kojouri J, Salehi A, Amiri B, Clinical Residents' Viewpoints on Their Knowledge and Practical Capabilities: The Effect of an EBM Course on Focus, *Interdiscip J Virtual Learn Med Sci*. 2015 ; 7(3): e12177. doi: 10.5812/ijvlms.12177 URL: <http://ijvlms.com/en/articles/12177.html>



34. Kojuri J, Amini M, **Karimian Z**, et al. Needs assessment and evaluation of a short course to improve faculties teaching skills at a former World Health Organization regional teacher training center. *J Adv Med Educ Prof.* 2015;3(1):1-8. PMID:25587548 PMCID: PMC4291502
URL: <https://www.ncbi.nlm.nih.gov/pubmed/25587548>
35. **Karimian Z***✉, Kojuri J, Sagheb MM, Mahboodi A, Saber M, Amini M, Dehghani MH. Comparison of residents' approaches to clinical decisions before and after the implementation of Evidence Based Medicine course. *J Adv Med Educ Prof.* 2014;2(4):170-5. PMCID: PMC4235562 PMID: 25512942
URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4235562>
36. **Karimian Z**✉, Abolghasemi M, Sabaghian Z, Pardakhtchi MH. Scholarship criteria in higher education from expert's viewpoints: A qualitative study. *J. Adv Med&Prof.* 2013;1(4):129-135. 5[Persian].
URL: <http://jamp.sums.ac.ir/index.php/JAMP/article/view/25>
37. Amini M, Kojuri J, Mahbudi A, Lotfi F, Seghatoleslam A, **Karimian Z**, Shams M. Evaluation of the Integration Program at Shiraz Medical School. *J. Adv Med&Prof.* 2013;1(1):21-27.
URL: <http://jamp.sums.ac.ir/index.php/JAMP/article/view/40>
38. **Karimian, Z***✉., Ahmadvand, A. Information Society, Cultural Identity and Missions of Universities. *Journal of Iran Cultural Research*, 2012; 5(3): 47-76. doi: 10.7508/ijcr.2012.19.003 [Persian]. URL: http://www.jicr.ir/article_249_en.html
39. **Karimian Z***✉, Sabbaghian Z., Salehi A. & Sedghpour, B.S. Obstacles to undertaking research and their effect on research output: a survey of faculty members' views at Shiraz University of Medical Sciences. *EMHJ*, 2012;18 (11), 1143-1150, 2012 URL: <http://www.who.int/iris/handle/10665/118492> [IF=2.1]
40. Amini M, Kojuri J, Lotfi F, **Karimian Z**, Abadi AS. Research priorities in medical education in the Eastern Mediterranean Region. *East Mediterr Health J.* 2012 Jul;18(7):687-92. PMID: 22891514 URL: <https://www.ncbi.nlm.nih.gov/pubmed/22891514> [IF=2.1]
41. Azarpira N, Amini M, Kojuri J, Pasalar P, Soleimani M, Hossein Khani S, Ebrahimi M, Niknejhad H, **Karimian Z**, Lotfi F, Shahabi S, Saadat I, Dehghani MR, Mohagheghi MA, Adibi P, Bagheri Lankarani K. Assessment of scientific thinking in basic science in the Iranian second national Olympiad. *BMC Res Notes.* 2012;5:61. Published 2012 Jan 23. doi:10.1186/1756-0500-5-61. PMCID: PMC3292993 PMID: [22270104](https://pubmed.ncbi.nlm.nih.gov/22270104/) URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3292993> [IF=1.8]
42. **Karimian Z***✉, Kojouri J, Lotfi F, Amini M. Higher Education Administration and Accountability the Necessity of Autonomy and Academic Freedom from Faculties' Viewpoint. *Iranian Journal of Medical Education.* 2012; 11 (8) :855-863 [Persian]. URL: <http://ijme.mui.ac.ir/article-1-1358-fa.html>
43. **Karimian Z***✉, Sabbaghian Z, Saleh Sedghpour B, Lotfi F. Internal Obstacles in Research Activities: Faculty Members' Viewpoints in Shiraz University of Medical Sciences. *Iranian Journal of Medical Education.* 2012; 11 (7) :750-763 [Persian]. URL: <http://ijme.mui.ac.ir/article-1-1171-en.html>
44. Amini M, Kojuri J, **Karimian Z**, Lotfi F, Moghadami M, Dehghani MR, et al. Talents for future: Report of the second national medical science Olympiad in Islamic republic of Iran. *Iranian Red Crescent Medical Journal.* 2011;13:377-81. URL: http://ircmj.portal.tools/?page=article&article_id=1535 [IF=0.4]
45. Amini, M., Jafari, S., Lotfi, F., Bazrafkan, L., **Karimian, Z.** The Effect of team-based learning on study skill course of Nutrition Students of Shiraz University of Medical Sciences. *Future of Medical Education Journal*, 2011; 1(1): 3-7. doi: 10.22038/fmej.2011.527
URL: https://journal.sanjesh.org/article_15130_en.html
46. Amini M, Dehghani M R, Kojuri J, Safaee Ardekani G R, Sagheb M M, Saber M, Bazrafkan L, **Karimian Z** ,. The Participants' Point of View about the First National Interdisciplinary Summer



- School regarding Achievement of Educational Objectives, Shiraz, Iran. Strides Dev Med Educ. 2010; 6 (2) :185-188 [Persian]. [Persian]. URL: <http://sdmej.ir/article-1-387-fa.html>
47. **Karimian Z***, Sabbaghian Z, Saleh Sedghpour B, Lotfi F. University, Researchers and Society Relationships and their Impacts on Sciences Production in Universities. rme. 2010; 2 (1) :1-9 [Persian]. URL: <http://rme.gums.ac.ir/article-1-66-fa.html>
48. **Karimian Z***, Sabaghian Z, Saleh Sedghpour B. The Barriers and Challenges of Research and Production of Science in Medical Universities, Iranian Journal of Higher Education(IJHE). 2011; 3(4) [Persian].URL: <http://ihej.ir/article-1-647-fa.html>
49. Amini M, Dehghani M R, Kojuri J, Mahbudi A, Bazrafkan L, Saber M, **Karimian Z**, Safaee Ardekain Gh, A qualitative study of factors associated with medical student academic success in Shiraz University of Medical Sciences Journal of Social Sciences 4 (4): 347-351, 2008 367-351.
UR: <https://thescipub.com/pdf/10.3844/jssp.2008.347.351>

Review Articles/Others

1. Pourmaveddat K, **Karimian Z***. A Review of the Book: Online Children and Their Right to Comprehensive Security in the Virtual Space. Interdiscip J Virtual Learn Med Sci. 2023;14(2):2-5. [doi: 10.30476/ IJVLMS.2023.99174.1235](https://doi.org/10.30476/IJVLMS.2023.99174.1235). [Book Review]
2. **Karimian, Z***. Impact of Innovative Educational Technologies on the SPICES Model in Medical Education. Interdisciplinary Journal of Virtual Learning in Medical Sciences, 2023; 14(1): 75-79. [doi: 10.30476/ijvlms.2023.98690.1223](https://doi.org/10.30476/ijvlms.2023.98690.1223) [Commentary]
3. **Karimian Z**, Kojouri J, Sagheb M M, A Review of the Evidence-Based Medicine Realm Based on Two Factors: The Nature of Science and Decision Making Situation, Interdiscip J Virtual Learn Med Sci. 2015 ; 6(2):e59110. URL: <http://ijvlms.com/en/articles/59110.html> [Review]
4. **Karimian, Z**, Abolghasemi, M. Faculty Development in Universities of Medical Sciences; Review of Yesterday, Vision from Tomorrow. Higher Education Letter, 2012; 5(17): 49-76. URL: https://journal.sanjesh.org/article_15130.html [Review]

Major report

- Amini Mitra, Kojuri Javad, Lotfi Farhad, **Karimian Zahra**, Sadeghi Hasan Abadi Ai, Research Priority in Medical education in EMRO, Collaborative research with World Health Organization (WHO), 2008-2009 [English].
- Virtual School and Center of Excellence in Electronic Learning At a glance; Mission, Goals and Functions Virtual School Center of Excellence in Electronic Learning Vice Chancellor for Education Shiraz University of Medical Sciences, October 2018[Persian].

Presentations

International Conferences

1. Nikseresht Shokoufe, Amini Mitra, Bazrafkan Leyla, **Karimian Zahra**, delavari Somay, The study of effective features of an instructor from the viewpoint of Nursing and Midwifery students of Shiraz University of Medical Sciences, AMEE Medica Education Congress, Amsterdam, 2011[Poster]



2. Amini Mitra, Lotfi Farhad, **Karimian Zahra**, Tajamul Saima survey on study habits of medical students in Shiraz Medical School, AMEE Medica Education Congress, Austeria, 2011 [\[Poster\]](#)
3. Fallahzadeh Mohamad Hosein, Dehghani Mohamad Reza, **Karimian Zahra**, Which courses should be though for the student of the medicine in pediatrics department, AMEE Medica Education Congress, Amsterdam, Netherland, 30 Agust – 3 September, 2005 [\[Poster\]](#)
4. Keshtkar Vahid, Dehghani Mohamad Reza, Dehbozorgian Marzieh, **Karimian Zahra**, Educational staff and their expectation from educational committee of the vice chancellor of Shiraz University of Medical Sciences, International Medica Education Congress of AMEE, Amsterdam, Netherland, 30 Agust – 3 September, 2005 [\[Poster\]](#)
5. Fallahzadeh Mohamad Hosein, Dehghani Mohamad Reza, Kadivar Mohamad Rahim, **Karimian Zahra**, A survey of diseases leading to hospitalization and death children, 7th International Congress of Gographic Medicine, Renal Diseases and Hypertention, November 23-25, 2004, Shiraz, Iran [\[Lecture\]](#)
6. Fallahzadeh Mohamad Hosein, Dehghani Mohamad Reza, **Karimian Zahra**, Renal diseases leading to admition and death in children during the 3 years, 7th International Congress of Gographic Medicine, Renal Diseases and Hypertention, November 23-25, 2004, Shiraz, Iran [\[Lecture\]](#)
7. Rezaee Rita, Nikseresht Alireza, **Karimian Zahra**, Comparative study of the educational condition of the hospitals of Shiraz University of Medical Sciences, International Medical Education Conference, University of Copenhagen and Lund University, WHO, UNESCO, WFME, 2002 [\[Poster\]](#)

National Conferences

1. **Karimian Z***, Haghighi Bemani N, Virtual education development in the context of Spatial planning, a review of the effectiveness and efficiency of in-person and online courses during the COVID-19 pandemic, Conference of Productivity process in the field of health system, Jundi shapur University of Medical Sciences, Ahvas, Iran, 2023 [\[Poster\]](#)
2. Zeinalzadeh-Ghouchani B, **Karimian Z**, Mashaikhi M, Occupational therapy interventions in children with learning disabilities and the coexistence of ADHD with normal IQ, 5th National Conference of Clinical Case Studies, Alborz University of Medical Sciences, Karaj, Iran, 2023 [\[Poster\]](#)
3. Zeinalzadeh-Ghouchani B, **Karimian Z**, Arman-Mehr L, Effectiveness Of Occupational Therapy Interventions On Acceptance Of School Entrance Screening Exam In A Child With Autism And ADHD, 5th National Conference of Clinical Case Studies, Alborz University of Medical Sciences, Karaj, Iran, 2023 [\[Lecture\]](#)
4. **Karimian Z***, Bahrani MR, Zeinalzadeh-Ghouchani B, A case study of an 8-year-old child with schizophrenic symptoms and an analysis of the child's drawings, 5th National Congress of Clinical Case Reports, Alborz University of Medical Sciences, Karaj, Iran, 2023 [\[Poster\]](#)
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11. **Karimian Z**, Masoodi M, Mehrabi M. Factor analysis of e-learning components from the perspective of faculty members in Shiraz University of Medical Sciences, First Conference on E-learning in millennial universities of Medical Sciences, 23-25 November 2021. Hormozgan University of Medical Sciences, Hormozgan, Iran [[Lecture](#)]
12. **Karimian Z**, Zare R, ZarifSanaiei N. Compare the effect of breast self-examination training on the knowledge, Skills and attitude of women referring to Shiraz sanitary bases through virtual education and in-person, First Conference on E-learning in millennial universities of Medical Sciences, 23-25 November 2021. Hormozgan University of Medical Sciences, Hormozgan, Iran [[Lecture](#)]
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19. **Karimian Zahra***, The need for re-architecture in the functions of the university based on the opinion of experts, 21th National Congress of Medical Education, Tehran University of Medical Sciences, Tehran, Iran, , 2020 [[Lecture](#)]
20. **Karimian Zahra***, The effect of Structural, political, cultural and scientific factors on the university's Scholarship environment 21th National Congress of Medical Education, Tehran University of Medical Sciences, Tehran, Iran, , 2020 [[Lecture](#)]
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Teaching Experiences

Teaching for Students

Title of Courses	Level
Organizational Behavior and Human Relationship	Undergraduate
Principles of Management in Educational and Health Care Institutions	Postgraduate: MSc



Design, implementation and evaluation of the workshops	Postgraduate: MSc
Strategic planning in education	Postgraduate: MSc
Theories of Psychology in Learning	Postgraduate: MSc
Research methods in e-learning	Postgraduate: MSc
Measuring and educational evaluation	Postgraduate: MSc
Educational Program and quality control in e-Learning	Postgraduate: MSc
Ethics in Information Technology	Postgraduate: MSc
Multimedia and e-Content development	Postgraduate: MSc
Apprenticeship in field of hospital management	Postgraduate: MSc
Apprenticeship in field of e-Learning	Postgraduate: MSc
Seminar in e-Learning Challenges	Postgraduate: MSc
Qualitative research	Postgraduate: Ph.D.
Quantitative Research	Postgraduate: Ph.D.
Theories of Psychology in Medical Education	Postgraduate: Ph.D.
Future studies in medical education	Postgraduate: Ph.D.
Economy studies in medical education	Postgraduate: Ph.D.
Educational Leadership	Postgraduate: Ph.D.
Introductions and concepts of e-learning	Postgraduate: Ph.D.
Planning in e-learning	Postgraduate: Ph.D.
Hardware and software requirements of e-learning	Postgraduate: Ph.D.
Evaluation in e-learning	Postgraduate: Ph.D.

Designing the Short Term Courses (Scientific Secretary)

Title of Courses	Year	Time (Hours)	Freq
National Summer School of e-Learning in medical sciences	2017 - Present	50 Hours	7
Modular courses in e-learning and e-content software	2018 - Present	80 Hours	>15
National Modular course (Flagship of blended learning) in basic and advanced level, for faculty members in universities of Medical Sciences	2022 - Present	100 Hours	>4

Workshops

Designing and Teaching in National course and workshop

Modular Course - Designing and development an advanced e-learning and virtual education course for Shiraz University of Medical Sciences (2022-Present)



- Modular Course - Designing and development of Blended course in e-Learning and virtual education for Rafsanjan university of Medical Sciences (2023)
- Workshop – e-Content Development whit Ispring software (More than 20 time), 2015-Present, Iran
- Workshop - Principles of application design along with practical training of Inventor software, for Behbahan University of Medical Sciences, 2023
- Workshop - Principles of application design along with practical training of Inventor software, for Ghazvin University of Medical Sciences, 2023
- Workshop – Game and Gamification in Education, for Dezful University of Medical Sciences, 2023
- Workshop - AR-VR-MR New e-Simulation methods, for Urmia University of Medical Sciences, 2023
- Workshop - Principles of application design along with practical training of Inventor software, 5th Conference of Mobile Health, Shiraz, 2023
- Workshop - Principles of application design along with practical training of Inventor software, 24th Conference of Medical Education, Tehran, 2023
- Workshop - Micro-Learning + SPARKOL Software, 23th Conference of Medical Education, Tehran, 2022
- Workshop - Games and Gamification, a creative approach to classroom management, 22th Conference of Medical Education, Tehran, 2021
- Workshop - Blended learning models in the educational design of a classroom, 21th Conference of Medical Education, Tehran, 2020
- Workshop - Principles of scenario design and e-content Development, 20th Conference of Medical Education, Tehran, 2019
- Workshop - Familiarity with the concepts of Game and Gamification, in creative management of education, 23 November 2021. Hormozgan University of Medical Sciences, Hormozgan, Iran
- Modular Course - Designing and development an advanced e-learning and virtual education course for Macro Region universities (Region 5) 9 Courses
- Modular Course - Design and implementation of the National Summer School for e-learning, for students, From 2017 – Now

E-Content Development

Title	Year	Multimedia	Handout
Learning Theories: Concept of Learning and factors affecting it	2018	*	*
Learning Theories: Theories of Learning (<i>Behaviorism, Cognitivism, Constructivism</i>)	2018	*	*



Learning Theories: Connectivism Theory	2018	*	*
Learning Theories: Experimental studies in behaviorism	2018	*	*
Learning Theories: Memory and Cognitive Theory	2018	*	*
Learning Theories: Gestalt and Cognitive Theory	2018	*	*
Learning Theories: The Azubel and Bandura Cognitive Theory	2018	*	*
Learning Theories: Vygotsky, Bruner and Piaget's theories	2018	*	*
Learning Theories: Theory of Motivation	2018	*	*
Learning Theories: Learning Styles	2018	*	*
Learning Theories: Adult education and lifelong learning	2018	*	*
Learning Theories: Principles of Media in learning	2018	*	*
Strategic Management: Concepts and definitions of strategic planning	2018	*	*
Strategic Management: Conceptual Models	2018	*	*
Strategic Management: Mission, Vision, Objectives and Values and SWOT	2018	*	*
Strategic Management: Situational Analysis Techniques	2018	*	*
Strategic Management: Assessment and selection of strategies	2018	*	*
Strategic Management: Operational Planning and Performance Indicators	2018	*	*
Program Evacuation: Concepts and definitions	2018	*	*
Program Evacuation: Educational Evaluation Approaches	2018	*	*
Program Evacuation: Educational Evaluation Models - CIPPO	2018	*	*
Program Evacuation: Educational Evaluation Models - Kirk Patrick	2018	*	*
Program Evacuation: Educational Evaluation Models - ROI	2018	*	*
Program Evacuation: Meta evaluation	2018	*	*
Research Methods: Quantitative Research Methods	2018	---	*
Research Methods: Qualitative Research Methods	2018	---	*
Research Methods: Sampling and sample size determination	2018	---	*
Research Methods: Research Tools	2018	---	*
Research Methods: Validity and Reliability of the Research Tool	2018	---	*
Research Methods: Internal and External validity of research	2018	---	*
Research Methods: Reporting the research	2018	---	*
Research Methods: Ethics in research	2018	---	*
Ethics and Information Technology: Theories of ethics	2018	---	*
Ethics and Information Technology: The challenges of ethics in cyberspace	2018	---	*

... E-Content Development

Title	Year	Multimedia	Handout
Web-based interactive tools in education	2018	*	*
e-Logbook and e-Portfolio in Medical Education	2018	*	*



Validity and Reliability of tests	2018	*	*
Test Analysis (Differential index, Difficulty Index, Correlation)	2018	_	*
Performance Evaluation and clinical Assessment in medical education	2018	_	*
e-Content Software - Ispring	2018	_	*
Web; Concepts and definitions	2018	_	*
Principles of designing the Web site	2018	_	*
Psychology of colors in website design	2018	_	*
SEO and website development	2018	_	*
Mobile Application Criteria	2022	*	*
Micro Learning, Concept and Application	2022	*	*
AR-VR-MR New Simulation methods	2022	*	*
Simulation based education and evaluation	2022		
Game and Gamification in Classroom Management	2022	*	*

Writing Scenarios for Medical e-Contents

- Metabolism of Lipid - digestion and absorption of Lipid
- Metabolism of Lipid - Cholesterol
- Ex Post Factor Research
- Family Physician Package - Schizophrenia
- Family Physician Package - OCD
- Family Physician Package - Dyspepsia
- Family Physician Package - Gastro esophageal reflux
- Family Physician Package - Patient education
- Distal Radius Fraction
- Health Information System 1
- Health Information System 2
- Health Economy
- Cardio vascular Disease: Normal electrocardiogram
- Cardio vascular Disease: Atrial Arrhythmia1
- Cardio vascular Disease: Atrial Arrhythmia2
- Cardio vascular Disease: Sinus Arrhythmia1
- Cardio vascular Disease: sinus arrhythmia 2
- Cardio vascular Disease: PVC ventricular Dysrhythmia
- Cardio vascular Disease: Dysrhythmia Treatment
- Kidney stones
- Kidney and urethra
- Lumbar disc disease 1
- Lumbar disc disease 2
- Cardiovascular diseases and nutrition
- Additives and nutrition

Reward

National Educational Festivals

2013- Clinical reasoning with self-directed learning approach; A step in teaching critical thinking and Evidence Based Medicine; Jamshid Roozbeh, Javad Kojuri, **Zahra Karimian**, Mitra Amini, Mohammad Reza Dehghani, Mahboobeh Saber, Leila Bazrafkan. 6th Shahid Motahari National Festival, Tehran.



- 2011- Summer School; A Step in the Interdisciplinary Education Development, Ali Sadeghi Hassan Abadi, Mohammad Reza Dehghani, Mitra Amini, Leila Bazrafkan, **Zahra Karimian**, Farhad Lotfi, Hajar Shieh. 4th Shahid Motahari Nationa Festival, Mashhad.
- 2011- Promoting Quran teachings in education, creativity based research on exploratory learning; Steps towards increasing religious knowledge and student identity; Javad Kojouri, Mitra Amini, **Zahra Karimian**, Farhad Lotfi, Mohammad Reza Dehghani, Leila Bazrafkan, Abbas Ghods. 4th Shahid Motahari Nationa Festival, Mashhad.
- 2010- Qualitative and Quantitative Evaluation of the Integration of Basic Medicine Sciences in Shiraz University of Medical Sciences, Javad Kojouri, Mitra Amini, Mohsen Moghadami, Farhad Lotfi, **Zahra Karimian**, Masoom Masumpour, Mesbah Shams, Atefeh Saghatol-Islam, Mohammad Bagher Khosravi, Mohammad Mehdi Sagheb , Mohammad Reza Dehghani, Leila Bazrafkan, Mahboubeh Saber, Zohreh Esmaeilzadeh, Fatemeh Mir, Hajar Shieh. 3th Shahid Motahari Nationa Festival, Tehran.
- 2010- Promoting the hidden counseling of academic culture through the dissemination of mentoring, Mohammad Hadi Imaniyeh, Leila Bazrafkan, Javad Kojuri, Farhad Lotfi, **Zahra Karimian**, Mitra Amini, Mahboobeh Saber, Sedigheh Ebrahimi, Rita Rezaee, Mohammad Reza Dehghani. 3th Shahid Motahari Nationa Festival, Tehran.