Leila Sadati

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# Personal statement

A dedicated, detailed, and capable research fellow with 20 years of experience in Perioperative Care, Wound Care, Operating Room Management, Patient Safety, Questionnaire and checklist Development, Ethics & Professionalism and Medical and Surgical Education Research (Curriculum Development, Teaching and Learning, and Student Assessment) Familiar with Quantitative, Qualitative and Mixed Methodologies in Clinical and Educational Studies.

# Current Appointments And Leadership Positions

**Assistant Professor** 2021-present

Department of Operating Room, School of Paramedical Sciences, Alborz University of Medical Sciences, Karaj, Iran

**Department Head** 2009-present

Department of Operating Room, School of Paramedical Sciences, Alborz University of Medical Sciences, Karaj, Iran

**Affiliated Faculty** 2009-present

Minimally Invasive Surgery Research Center, Iran University of Medical Sciences, Tehran, Iran

**Committee Member** 2009-present

Evaluation committee for the operating room technologist program, Ministry of Health,Iran.

# Education

**PhD** Shahid Beheshti University of Medical Sciences, *Medical Education* Dec 2021

Dissertation: “Explanation of the process of acquisition of technical and non-technical skills by surgical assistants”

**MSc** Shahid Beheshti University of Medical Sciences, *Nursing Education* Dec 2000

Thesis: “Evaluation of Preoperative Nursing Visit on recovery time in Mothers who are Candidates for Cesarian Section Surgery”

**BSc** Tehran University of Medical Sciences, *Nursing* Sep 1994

# Previous Appointments And Leadership Positions

***Academic Appointments***

**Senior Lecturer and Clinical Instructor** 2009-2024

School of Paramedical Sciences, Alborz University of Medical Sciences, Karaj, Iran

**Director of the undergraduate and graduate education** 2012-2017

School of Paramedical Sciences, Alborz University of Medical Sciences, Karaj, Iran

***Clinical Appointments***

**Nursing Manager** 2007-2009

Sajad Hospital, Iran University of Medical Sciences, Shahriar, Iran

**Founding Manager** 2001-2008

Sadat Home Care Center, Shahriar, Iran

**Operating Room Supervisor** 2000-2007

Sajad Hospital, Iran University of Medical Sciences, Shahriar, Iran

**Operating Room Nurse, Emergency Nurse, Clinical Supervisor** 1994-2000

Sajad Hospital, Iran University of Medical Sciences, Shahriar, Iran

# Honors, Awards, and, Memberships in Honorary Societies

**Best Presentation Award** 2022

Iranian National Congress of E-Learning at Millennium Medical Universities

**Scholarship Award** 2019

For creating two new medical educational products, the Iranian Conference on Health Profession Education (ICHPE 2019)

**Best Poster Award** 2018

ICHPE 2018

**Outstanding Researcher Award** 2015

Alborz University of Medical Sciences, Karaj, Iran

**Outstanding Researcher Award** 2014

Minimally Invasive Surgery Research Center, Iran University of Medical Sciences, Iran

**Member** 2010-present

## Iranian society of minimally invasive gynecology

**Member** 2010-present

Iranian Society of Medical Educationists

**Member**2023-present

NANDA International (formerly North American Nursing Diagnosis Association)

# Publications

## Journal Publications

**63.** R Norouzinia, **L Sadati**, Ghasemi, H. Perceptions of Patient Safety Culture among Operating Room Staff in Iran: A Questionnaire-Based Study. *Journal of Patient Safety & Quality Improvement*, 2024; 12(2): 87-95. doi: 10.22038/psj.2024.80321.1432

**62**. **L Sadati**, S Karami, Neglected consideration in Elderly Preoperative Care: An observational study. Journal of Gerontology Nursing. *2024,* Under review

**61.L Sadati**, S Karami, N Hajati. 5 card game, an innovation comprehensive integrative puzzle to enhance clinical reasoning in surgical technologist students”. BMC Medical Education. *2024,* Under review

**60.L Sadati**. Serious challenges with bone cement in orthopedic operating rooms: An observational study. International Journal of Orthopaedic and Trauma Nursing . *2024,* Under review

59. **L Sadati**, S Karami, M Khalilzadeh, R Abjar. “Evaluation of the Compliance of Structural, Equipment and Staff performance Standards in Post-anesthesia Care Units in the Teaching Hospitals of Alborz Province”. **Perioperative Care and Operating Room Managemen**,*2024,* accepted

58. S Mahakizadeh, S Khorasani, **L Sadati**, M Arabi, F Kermanian. Vertical integration in visual system education: A new educational experience. Strides in Development of Medical Education, 2024; (): -. doi: 10.22062/sdme.2024.198692.1226.

57. **L Sadati**, S Karami, R Abjar, Z Nouri Khanegah. “Improvement of surgical technologist students learning by development of a customize e-portfolio: A mixed-method Study”. Strides in Development of Medical Education,2024,**21**(1), 63-64.

## 56. S Karami, L Sadati****\*,**** Z Nouri Khanegah, R Abjar. “Embodying the “Patient” Role: How Immersive Simulation Enhances Surgical Positioning Skill Acquisition”, Simulation in Healthcare ,2023, Under review

55. **L Sadati,** F Edalattalab, **R** Abjar, Z Nouri Khanegah, M Khalilnegad. “Impact of Interactive Lectures and Puzzles on Learning, Retention, and Motivation of Operating Room Students in Virtual Education during COVID-19 Pandemic: A Comparative Study”. The Internet and Higher Education,2024, Under review

54. K Ghasemi, A Etebarian, **L** **Sadati**. “Challenges, Opportunities and Future Direction of Dental Education in COVID-19 Pandemic: A Qualitative Study”. Strides in Development of Medical Education, 2023,**20**(1), 179-186.

53. **L Sadati,** F Edalattalab**,** S Azarsina**, MH Bahri, N Hajati, R** Abjar. “OSABSS: An Authentic Examination for Assessing Basic Surgical Skills in Surgical Residents.” Surgery Open Science, 2024,

52. **L Sadati,** A Baradaran Bagheri, **F** Edalattalab**,** S Azarsina**, MH Bahri, N Hajati,** Z Nouri Khanegah**,** R Abjar. “Designing, Implementing, and Evaluating a Basic Surgical Skills Bootcamp: An Effective Approach to Enhance Competency in Surgical Residency Training.”Journal of the Royal Colleges of Surgeons of Edinburgh and Ireland, 2024, Under review

51. **L** **Sadati,** M Motahari pour, A Younas, H Faraj dana, F Hosseini, R Abjar. “**Development of Professional Ethics Curriculum in the Operating Room for the Current Era of Surgery: A Mixed Method Study**.” *Canadian Journal of Bioethics / Revue canadienne de bioéthique*, 2023, *6*(3-4), 57–68**.**

50. **L** **Sadati**, Z Nouri Khanegah, N Sarraf Shahri, F Edalat. “Postoperative pain experienced by the candidates for gynecological surgery with lithotomy position.” The Iranian Journal of Obstetrics, Gynecology and Infertility, 2022, **24**, 29-34.

49. **L** **Sadati**, M Motahari pour, F Adalatalab, H Faraji Dana, R Abjar. “A comparative study of the curriculum of professional ethics in the educational program of the bachelor's degree in operating room technology in Iran and similar fields in selected universities of the world.” *Journal of Medical Ethics*, 2022, **47,** 1-11.

48. **L Sadati**, S Hannani, NS Shahri, A Arabkhazaei, A Arabkhazaei. “The effect of the software of the principles of setting up surgical tables on the knowledge and practical skills of the students of operating room technology.” *Res Dev Med Educ,* 2022*,* **11**, 26-26.

47. E Nasiri, L **Sadati,** RAbjar, H Akbari. “The Effect of Deep Breathing on Anxiety, Fatigue and Sleep Quality in Operating Theater Staff.” Journal of Sabzevar University of Medical Sciences, 2022, **29,** 718-729.

46. S Karami, L **Sadati,** ZNouri Khanegha, M Rahimzadeh. “Iranian Measure of Operating Theatre Educational Climate (IMOTEC): Validity and Reliability Study.” Strides in Development of Medical Education, 2022, **19**, 150-157.

45. **L** **Sadati**, Z Nouri Khaneghah, R Abjar. “Work Experience of Surgical Technologists Under the COVID-19 Disaster: A Qualitative Study.” *Med Surg Nurs J*, 2022, **11**, e130355.

44. Z Nouri Khaneghah, **L Sadati**, M Faryab Asl, S Karami, S Fatollahi. “Effect of Blended Learning on Educational Outcome of Discontinuous Undergraduate Students of Operating Room.” *Research in Medical Education*, 2022, **14**, 24-31.

43. **L Sadati,** P Heidarpoor, B Sabet, S Yazdani. “Surgical competence in general surgery assistance: a brief report.” *Tehran Univ Med J*, 2022, **80**, 402-407.

42. **L Sadati**, S Yazdani, B Sabet, P Heidarpoor. “Explanation of The Professional Development Process of General Surgery Residents in the Operating Rooms: A Situational Analysis.” *J Adv Med Educ Prof*, 2022, **10,** 191-198.

41. **L Sadati**, Z Nouri Khanegah, N Sarraf Shahri, F Edalat. “Postoperative pain experienced by the candidates for gynecological surgery with lithotomy position.” *The Iranian Journal of Obstetrics, Gynecology and Infertility*, 2022, **24**, 29-34.

40. S Hannani, **L Sadati**, N Azadi, A Bozorgavar, E Kavi, R Mohebbi Hozesorkhi. “Effect of the Fundamentals of Laparoscopic Surgery Curriculum on Skills of Operating Room Technology Students: An Interventional Study.” *Journal of Medical Education,* 2022, **20**, e121052.

39. P Heidarpoor, S Yazdani, **L Sadati**. “Non-technical Skill Assessment Tools for Surgical Team Members in the Operating Room: A Critical Review.” *Shiraz e-Medical Journal*, 2021, **22**, e101291.

38. **L Sadati**, S Yazdani, P Heidarpoor. “Exploring the surgical residents’ experience of teaching and learning process in the operating room: A grounded theory study.” *Journal of Education and Health Promotion*, 2021, **10**, 176.

37 **L Sadati**, S Yazdani, P Heidarpoor. “Surgical residents’ challenges with the acquisition of surgical skills in operating rooms: A qualitative study.” *J Adv Med Educ Prof*, 2021, **9**, 34-43.

36. **L Sadati**, M Nafar, S Karami, M Yazdani, Z Nouri Khaneghah. “A comparison study on the effect of two educational methods on the learning of operating room students about surgical instruments (flashcard versus mobile app-based training).” *Journal of Education and Health Promotion,* 2021, **10**, 467.

35**. L Sadati**, Z Nouri, S Karami, F Edalat, R Abjar. “Explaining the experiences of Part-time undergraduate operating room students from teaching by blended learning method: A qualitative approach.” *Horizon of Medical Education Development*, 2021, **13,** 1-10.

34. **L Sadati**, Z Nouri, M Hajfiroozabadi, R Abjar. “Faculty Members’ Experiences about Virtual Education Opportunities and Challenges During the Covid-19: A Qualitative Study.” *J Med Educ Dev,* 2021, **14**, 1-10.

33. S Hannani**, L Sadati**, F Havaeji. “Evaluation of the effect of concept map training in comparison with the lecture method on the level of learning, retention and Satisfaction with teaching methods in surgical technology students*.”* ***Iranian Journal of Nursing Research,*** 2021, **16**, 101-107.

32. Z Nouri Khaneghah, **L** **sadati**, R Abjar, Z Moghadam. “Satisfaction of Operating Room Students with Preceptorship Supervision in Clinical Education.” *Nurse Midwifery J,* 2021, **19**, 551-557.

31. S Hannani, **L Sadati**, A Askarkhah. “Investigating the Compliance of Structural and Functional Standard in Sterilization Units in Educational-Therapeutic Hospitals of Guilan University of Medical Sciences in 2019-2018.” *Journal of Environmental Health Engineering*, 2020, **0 -** **HSE Special Issue**, 45-56.

30. **L Sadati**, S Hannani, N Sarraf, N Azadi. “Comparison of Task-Based Learning and Current Method of Teaching on the Knowledge and Practice Skill of Surgical Technologists in Iran University of Medical Sciences*.” Education Strategies in Medical Sciences*, 2020, **13**, 213-219.

29. **L Sadati**, A Askarkhah, S Hannani, A Arabkhazaei, A Arabkhazaei. “Assessment of staff performance in CSSD unit by 360-degree evaluation method*.” Asia Pacific Journal of Health Management*, 2o2o, **15**,71-77.

28. A Baradaran Bagheri, **L Sadati**\*, A Beyrami, S Fatollahi, Z Nouri Khanegah, Hojjat Torkamandi. “Postoperative Skin Complications after Spine Surgery in the Prone Position.” *Journal of Clinical and Basic Research*, 2019**, 3**, 18-24.

27. Sh Ahmadi, S Hannani, **L Sadati**. “Evaluate the level of observing the pre-operative standard care principles in the elderly people admitted to the surgical rooms in educational hospitals of Iran University of Medical Sciences in 2017-2018.” *J Adv Pharm Edu Res,* 2019, **9**, 174-178.

26. S Hanani, A Arab-Khazaei**, L Sadati**, A Arab-Khazaei. “Determining operating room technologists' clinical competence in educational care hospitals of Iran University of Medical Sciences in the year is 2017.” *J Adv Pharm Edu Res,* 2019, **9**, 70-75.

25.S Hanani, A Arab-Khazaei**, L Sadati**, A Arab-Khazaei. “Serious gaming technology in spinal surgery training.” *J Adv Pharm Edu Res*, 2019, **9**, 54-58.

24. **L Sadati**, R Froozesh, A Beyrami, M Faryab Asl, T Salehi. “A Comparison of Three Dressing Methods for Pilonidal Sinus Surgery Wound Healing.” *Advances in Skin and Wound Care*, 2019, **32**, 1-5.

23. S Karami, S Hannani, **L Sadati**, M Rahimzadeh. “Psychometric evaluation and localization of STEEM tool for surgical technologists in Iran.” *The Journal of Medical Education and Development*, 2019, **13**, 345-357.

22. S hannani, A arabkhazaie, **L** **Sadati**, A arabkhazaie. “The Effect of Education Based on the Spinal Fusion Surgery Simulation on the Level of Knowledge and Practical skills the 8th Students.” ***Journal of Nursing Education***, 2019**, 7**, 9-14.

21. **L Sadati,** Z Nouri, M Faryab Asl, A Elahi, S Karami, S Nosrati. “Investigation of the Effect of Dressing by Using of Hydrogel Products Compared to Simple Dressing Method on the Wound Healing Process Caused by Pilonidal Cystectomy: One Blind.” *Alborz University Medical Journal*, 2019, **8**, 216-224.

20. **L Sadati**, B Mashak, M Tayebi Arasteh, Z Nouri Khaneghah, M Faryab Asl, T Salehi. “Effect of Wearing Compression Socks on Hypotension and the Amount of Ephedrine Administration after Spinal Anesthesia in Candidates for Cesarean Section.” *Journal Clinical and Basic Research (JCBR)*, 2018, **2**, 10-18.

19. Sh Ahmadi, **L Sadati**, S Hannani. “Assessment of pre-operative fasting and its subsequent implications in elderly patients undergoing surgery.” *journal of Iranian Society of Anesthesiology and Critical Care*, 2018, **1**, 34-42.

18. S Hannani, Z Nouri Khaneghah, **L Sadati**, MF Asl. “Relationship between Emotional Intelligence and Coping-With-Stress Styles in Operating Room Technologists.” *Iranian Journal of Nursing Research*, 2018, **13**, 19-26.

17. M Shafaeiyan, F Ghods, M Rahbar, Z Daneshi, L **Sadati**, B Mashak, J Moradi, H Torkmandi. “The Effect of Warm Intravenous Fluid on Postoperative Pain: A Double-Blind Clinical Trial*.” Preventive Care in Nursing and Midwifery Journal*, 2018, **8**,16-22.

16. S Ahmady, **L Sadati**\*, Z Taiebi. “Operating Room Students, Graduates and Faculty Members’ Experiences of the Curriculum of Operating Room Noncontinuous Undergraduate Program: A Qualitative Study*.” Iranian Journal of Medical Education*, 2018, **81**, 506-517.

15**. L Sadati**, A Pazouki, Z Tamannaie, M Pishgahroudsari, E Golchini, A Montazeri. “Quality of life after surgery in candidates of laparoscopic and open cholecystectomy: A comparison study.” *Iranian Red Crescent Medical Journal*, 2017, **2**, e15917.

14. A Pazouki, **L Sadati**\*, F Zarei, E Golchini, R Fruzesh, and J Bakhtiary. “Ergonomic Challenges Encountered by Laparoscopic Surgeons, Surgical First Assistants, and Operating Room Nurses Involved in Minimally Invasive Surgeries by Using RULA Method.” *J Minim Invasive Surg Sci*, 2017, **6**, e60053.

13. R Foroozesh, **L Sadati**\*, S Nosrati, S Karami, A Beyrami and T Fasihi. “Challenges in Nursing Care of Morbidly Obese Patients: Nurses’ Viewpoints.” *Journal of Minimally Invasive Surgical Sciences*, 2017, **2**, e12040.

12. B Mashak, **L Sadati**\*, S Nosrati, R Frouzesh, H Torkmandy. “Evaluation of Two Techniques for Transverse Exposure in Obese Patients Undergoing Cesarean Section: A Comparative Study.” *JCBR*, 2017, **1**, 29-35.

11. **L Sadatiِ**, K Bakhteyar, M Saadatmand, S Saadatmand, S Asadnia. “The Relationship between Sleep Quality and Academic Achievement with Migraine Headaches among Alborz Medical Sciences University Students.” *yafte*, 2017, **18,** 59-69.

10.M Nafar, M Tayebi, **L Sadati**, B Pooragha. “Assay Quantitative Indicators of Multiple-Choice tests in some faculty members of Alborz University of Medical Sciences and its relationship with demographic variables.” *Alborz University Medical Journal*, 2017, **6**, 107-113.

9. R AbJar, **L Sadati**, A Shahbazi, M Kamali, M FaryabAsl. “Evaluation of Contamination of the Theatre Shoes in the Alborz University of Medical Sciences Hospitals in 2014-2015.” *Journal of Environmental Health Engineering*, 2017, **4**, 223-215.

8. P Farmani, L **Sadati**\*, R Foruzesh, Z Mahmoodi, T Tahamtani, A Beirami. “Comparison of the effect of two teaching methods on nurses' awareness of occupational hazards and safety measures: Lectures versus Educational Packages.” *journal of advances in medical education*, 2015**, 1**, 1-6.

7. H Avary, G Najafi Parizi, K Kabir, **L** **Sadati**, M Kohan, M Rahimzadeh Kivi. “Factors Effecting Students Academic Achievement in the Alborz Medical Sciences Faculty of Medicine in 2012-2013.” *Alborz University Medical Journal*, 2015**, 4**, 150-156.

6. **L** **Sadati**, E Golchini, A Pazouki, F Jesmi, M Pishgahroudsari. “Effect of preoperative education on recovery time of laparoscopic cholecystectomy: A randomized clinical trial.” *Tehran University Medical Journal*, 2014, **72**, 222-228.

5.S Amiri, M Hajfiroozabadi, T Bahrami Babaheidari, **L Sadati**. “Survey of Quality of Life and Influencing Factors in Alborz University of Medical Sciences Staff.” *Alborz University Medical Journal*, 2014**, 3**, 18-22.

4. **L Sadati**, A Pazouki, A Mehdizadeh, S Shoar, Z Tamannaie, Shahla Chaichian. “Effect of preoperative nursing visit on preoperative anxiety and postoperative complications in candidates for laparoscopic cholecystectomy: a randomized clinical trial.” *Scandinavian Journal of Caring Sciences*, 2013, **27**, 994-998. (citation = 163)

3. **L Sadati**, AR Pazouki, E Golchin, A Mehdizadehkashi, M Pishgahrudsari, “The Effect of Cooperative Teaching Based on Students’ Active Participation on Learning Level in the Paramedical Faculty of Alborz University of Medical Sciences.”*Biannual Journal of Medical Education*, 2013, **1**, 46-52.

2. MH Naseri, **L Sadati**\*, A Jalali, M Hajfiroozabadi, E Golchini. “Assess the status of the Karaj operating rooms in comparison with international standards in 2011.” *Alborz University Medical Journal.* 2012, **1**, 213-219.

1. T Bahrami Babaheidary, **L Sadati**\*, E Golchini. “Assessment of Clinical Education in the Alborz University of Medical Sciences from Surgical Technology and Anesthesiology Students’ Point of View.” *Alborz University Medical Journal*, 2012, **3**, 143-150.

## Books (Surgical Technology Textbooks in Persian)

Authors: **L. Sadati**, E. Golchini; Publisher: JameeNegar, Tehran

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| --- | --- |
| 1. Principles of Sterilization & Disinfection for Surgical Technologists | 2023 |
| 1. Professional Ethics in Operating Room | 2022 |
| 1. Introduction to Common Radiologic Images in the Operating Room | 2021 |
| 1. Pharmacology for The Surgical Technologist | 2020 |
| 1. Otorhinolaryngologic & Maxillofacial Surgery Technology for The Surgical Technologist | 2019 |
| 1. Ophthalmic Surgical Technology for The Surgical Technologist | 2018 |
| 1. Operating Room Leadership and Management | 2018 |
| 1. Surgical Knots and Suturing Techniques | 2017 |
| 1. Thoracic, cardiac and vascular Surgical Technology for The Surgical Technologist | 2017 |
| 1. Cosmetic & Reconstructive Surgical Technology for Surgical Technologists | 2017 |
| 1. Pediatric Surgical Technology for Surgical Technologists | 2016 |
| 1. Gynecology Surgical Technology for The Surgical Technologist | 2016 |
| 1. Medical terminology for The Surgical Technologist | 2016 |
| 1. Principle and Techniques of Circulating and Scrub Person Performance | 2015 |
| 1. Principles of Sterilization and Disinfection | 2015 |
| 1. Urology Surgical Technology for The Surgical Technologist | 2015 |
| 1. Neurosurgical Technology for Surgical Technologists | 2014 |
| 1. Orthopedic Surgical Technology for Surgical Technologists | 2014 |
| 1. Principles of Advanced Care in PACU | 2014 |
| 1. Digestive & Glandular Surgical Technology for The Surgical Technologist | 2013 |
| 1. Principles of Working in Operating Room for The Surgical Technologist | 2013 |
| 1. Perioperative Nursing Care | 2013 |
| 1. Instruments and equipment of the Operating room | 2012 |

## Conference Papers

23. L. Sadati, “Postoperative Nursing Care for Elderly Patients.”*Second Interdisciplinary Conference on Geriatric Medicine, Karaj*, 2024.

22. L. Sadati, “A comparative study of the curriculum of professional ethics in the educational program of the bachelor's degree in operating room technology in Iran and similar fields in selected universities of the world.” 10th Annual Congress of Medical Ethics.Tehran.2024.

21. L. Sadati, “**Development of Professional Ethics Curriculum in the Operating Room for the Current Era of Surgery: A Mixed Method Study**.” The 7th congress of nursing ethics. The 7th Nursing Ethics Congress Ministry of Health and Medical Education of Iran. Tehran,2024.

20. L. Sadati,” Examining the validity and reliability of the OSABSS test in evaluating the basic surgical skills of the surgical assistants of Alborz University of Medical Sciences, *Iranian Conference on Health Professions Education,* IranUniversity of Medical Sciences*,* Tehran, 2023.

19. L. Sadati, “A reform of current professional ethics course to the integration of several longitudinal curricular themes into the undergraduate operating room nurse curriculum: A mixed study”**,** *Iranian Conference on Health Professions Education,* IranUniversity of Medical Sciences*,* Tehran, 2022.

18. L. Sadati,“The challenge of the professional identity re-formation in surgical residency period”**,** *Iranian Conference on Health Professions Education, Iran* University of Medical Sciences*, Tehran. 2022.*

17. L. Sadati, “Medical Universities students’ Experiences about Virtual Education opportunities and challenges during the Covid-19: A Qualitative Study”, *The National Virtual Congress of E-Learning in Millennium*, Bandar Abbas. 2022.

16. L. Sadati. “The challenge of surgical assistant for identify formation in operating room”, *Iranian medical ethics congress*, Kerman University of Medical Sciences. Kerman. 2022.

15. L. Sadati. “Designing, implementing and evaluation of educational program ethics in virtual teaching: A Scholarship study”, *Iranian medical ethics congress*, Kerman University of Medical Sciences. Kerman. 2022.

14. L. Sadati, “Surgical residents’ challenges with the acquisition of surgical skills in operating rooms: A qualitative study”, *Iranian Conference on Health Professions Education*, Shiraz University of Medical Sciences. Shiraz. 2021.

13. L. Sadati, “Faculty Members’ Experiences About Virtual Education Opportunities and Challenges During the Covid-19: A Qualitative Study”, *Iranian Conference on Health Professions Education*, Shiraz University of Medical Sciences, Shiraz. 2021.

12. L. Sadati, “Designing, implementing and evaluation of educational program of ethics in education by scenario-based discussion: A Scholarship study”, *Iranian medical ethics congress*, Mazandaran University of Medical Sciences, Sari, 2020.

11. L. Sadati, “Exploring the surgical residents’ experience of teaching and learning process in the operating room: A grounded theory study”, *Iranian Conference on Health Professions Education*. Shiraz University of Medical Sciences, Shiraz. 2021.

10. L. Sadati, “Designing, Implementation and Evaluation of an E-portfolio for Assessment of Surgical Technologist Students in Iran: A mixed method study”, *Iranian Conference on Health Professions Education*. Iran University of Medical Sciences, Tehran, 2019.

9. L. Sadati, “Psychometric evaluation and localization of STEEM tool for surgical technologists in Iran”, *Iranian Conference on Health Professions Education*, Iran University of Medical Sciences, Tehran, 2018.

8. L. Sadati, “Explaining the experiences of Part-time undergraduate operating room students from teaching by blended learning method: A qualitative approach”, *Iranian Conference on Health Professions Education*, Iran University of Medical Sciences, Tehran, 2018.

7. L. Sadati, “Challenges in Nursing Care of Morbidly Obese Patients: Nurses’ Viewpoints “, 12th International Congress on Minimally Invasive surgery and techniques &1th International congress of Obesity Surgery, Iran University of Medical Sciences, Tehran, 2018.

6. L. Sadati, “Evaluation of postoperative pain experienced by female candidates for gynecological surgery with lithotomy position”,14th International Congress on Gynecology &Obstetrics, Iran University of Medical Sciences, Tehran, 2017.

5. L. Sadati, “The Effect of Cooperative Teaching Based on Students’ active participation on learning level in the paramedical faculty of Alborz University of Medical Sciences”, *Iranian Conference on Health Professions Education*. Iran University of Medical Sciences, Tehran, 2016.

4. L. Sadati, “Perioperative nursing care in open heart surgery”, Fourth International Congress of Iranian Cardiac Nurses Society, Tehran,2016

3. L. Sadati, “Ergonomic Challenges Encountered by Laparoscopic Surgeons, Surgical First Assistants, and Operating Room Nurses Involved in Minimally Invasive Surgeries by Using RULA Method”, *International Congress of Minimally Invasive Surgery and Techniques*, Iran University of Medical Sciences, Tehran, 2014.

2. L. Sadati, “Quality of life after surgery in candidates of laparoscopic and open cholecystectomy: A comparison study”, 11thInternational Congress on Minimally Invasive surgery and techniques Iran University of Medical Sciences, Tehran, 2014.

1. L. Sadati et. al., “Effect of preoperative nursing visit on preoperative anxiety and postoperative complications in candidates for laparoscopic cholecystectomy: a randomized clinical trial”, The Fourth International Congress on Interventional Pain and The Sixth Annual Congress of Iranian Society of Regional Anesthesia & Pain Medicine,2013.

# Research Proposals

1. “Effect of preoperative nursing visit on preoperative anxiety and postoperative complications in candidates for laparoscopic cholecystectomy: a randomized clinical trial”, Minimally Invasive Surgery Research Center, Role: PI, Ended.

2. “Explanation of the Professional Development Process of General Surgery Residents in The Operating Rooms”, Shahid Beheshti University of Medical Sciences, Role: PI, Ended.

3. “Evaluation of Surgical technologist preceptorship’ program in Alborz University of Medical Sciences”, Shahid Beheshti University of Medical Sciences, Role: co-PI, Ended.

4. “Quality of life after surgery in candidates of laparoscopic and open cholecystectomy: A comparison study”, Minimally Invasive Surgery Research Center, Role: PI, Ended.

5. “Assessment of perioperative nurses and surgical technologists’ awareness about laparoscopic nursing care”, Minimally Invasive Surgery Research Center, Role: PI, Ended.

6. “Ergonomic Challenges Encountered by Laparoscopic Surgeons, Surgical First Assistants, and Operating Room Nurses Involved in Minimally Invasive Surgeries by Using RULA Method”, Minimally Invasive Surgery Research Center, Role: PI, Ended.

7. “Comparison of the effect of two teaching methods on nurses' awareness of occupational hazards and safety measures: Lectures versus Educational Packages”, Alborz University of Medical Sciences, Role: PI, Ended.

8. “Postoperative complaints experienced by the candidates for gynecological surgery with lithotomy position”, Alborz University of Medical Sciences, Role: PI, Ended.

9. “Challenges in Nursing Care of Morbidly Obese Patients: Nurses’ Viewpoints”, Alborz University of Medical Sciences, Role: PI, Ended.

10. “Evaluation of Contamination of the Theatre Shoes in the Alborz University of Medical Sciences Hospitals in 2014-2015”, Alborz University of Medical Sciences, Role: PI, Ended.

11. “Evaluation of Two Techniques for Transverse Exposure in Obese Patients Undergoing Cesarean Section: A Comparative Study”, Alborz University of Medical Sciences, Role: PI, Ended.

12. “Effect of Wearing Compression Socks on Hypotension and the Amount of Ephedrine Administration after Spinal Anesthesia in Candidates for Cesarean Section ”, Alborz University of Medical Sciences, Role: PI, Ended.

13. “Relationship between Emotional Intelligence and Coping- With-Stress Styles in Operating Room Technologists”, Alborz University of Medical Sciences, Role: co-PI, Ended.

14. “Postoperative Skin Complications after Spine Surgery in the Prone Position”, Alborz University of Medical Sciences, Role: PI, Ended.

15. “Evaluate the level of observing the pre-operative standard care principles in the elderly people admitted to the surgical rooms in educational hospitals of Iran University of Medical Sciences in 2017-2018”, Iran University of Medical Sciences, Role: co-PI, Ended.

16. “Determining operating room technologists' clinical competence in educational care hospitals of Iran University of Medical Sciences in the year 2017”, Iran University of Medical Sciences, Role: co-PI, Ended.

17. “The Effect of Education Based on the Spinal Fusion Surgery Simulation on the Level of Knowledge and Practical skills of the 8th Students”, Iran University of Medical Sciences, Role: co-PI, Ended.

18. “Investigating the Compliance of Structural and Functional Standard in Sterilization Units in Educational-Therapeutic Hospitals of Guilan University of Medical Sciences in 2019-2018”, Iran University of Medical Sciences, Role: co-PI, Ended.

19. “Comparison of Task-Based Learning and Current Method of Teaching on the Knowledge and Practice Skill of Surgical Technologists in Iran University of Medical Sciences”, Iran University of Medical Sciences, Role: co-PI, Ended.

20. “A comparison study on the effect of two educational methods on the learning of operating room students about surgical instruments (flashcard versus mobile app-based training)”, Alborz University of Medical Sciences, Role: PI, Ended.

21. “Assessment of Clinical Education in the Alborz University of Medical Sciences from Surgical Technology and Anesthesiology Students’ Point of View Alborz University of Medical Sciences”, Alborz University of Medical Sciences, Role: PI, Ended.

22. “Assay Quantitative Indicators of Multiple-Choice Tests in Some Faculty Members of Alborz University of Medical Sciences and Its Relationship with Demographic Variables”, Alborz University of Medical Sciences, Role: co-PI, Ended.

23. “Survey of Quality of Life and Influencing Factors in Alborz University of Medical Sciences Staff ”, Alborz University of Medical Sciences, Role: co-PI, Ended.

24. “The Relationship between Sleep Quality and Academic Achievement with Migraine Headaches among Alborz Medical Sciences University Students”, Alborz University of Medical Sciences, Role: PI, Ended.

25. “Factors in Effecting Students Academic Achievement in the Alborz Medical Sciences Faculty of Medicine in 2012-2013”, Alborz University of Medical Sciences, Role: co-PI, Ended.

26. “Assess of the status of the Karaj operating rooms in comparison with international standards in 2011”, Alborz University of Medical Sciences, Role: PI, Ended.

27. “Psychometric evaluation and localization of STEEM tool for surgical technologists in Iran”, Iran University of Medical Sciences, Role: PI, Ended.

28. “Relationship between Emotional Intelligence and Coping-With-Stress Styles in Operating Room Technologists”, Alborz University of Medical Sciences, Role: PI, Ended.

29. “Operating Room Students, Graduates and Faculty Members’ Experiences of the Curriculum of Operating Room Noncontinuous Undergraduate Program: A Qualitative Study”, Alborz University of Medical Sciences, Role: PI, Ended.

30. “Investigation of the Effect of Dressing by Using Hydrogel Products Compared to Simple Dressing Method on the Wound Healing Process Caused by Pilonidal Cystectomy: One Blind clinical trial”, Alborz University of Medical Sciences, Role: PI, Ended.

31. “Comparison of Task-Based Learning and Current Method of Teaching on the Knowledge and Practice Skill of Surgical Technologists in Iran University of Medical Science ”, Iran University of Medical Sciences, Role: PI, Ended.

32. “Explaining the experiences of Part-time undergraduate operating room students from teaching by blended learning method: A qualitative approach”, Alborz University of Medical Sciences, Role: PI, Ended.

33. “Students and Faculty Members’ Experiences About Virtual Education Opportunities and Challenges During the Covid-19: A Qualitative Study”, Alborz University of Medical Sciences, Role: PI, Ended.

34. “Evaluation of the effect of concept map training in comparison with the lecture method on the level of learning, retention, and Satisfaction with teaching methods in surgical technology students”, Iran University of Medical Sciences, Role: co-PI, Ended.

35. “Satisfaction of Operating Room Students with Preceptorship Supervision in Clinical Education”, Alborz University of Medical Sciences, Role: co-PI, Ended.

36. “A comparison study on the effect of two educational methods on the learning of operating room students about surgical instruments (flashcard versus mobile app-based training)”, Alborz University of Medical Sciences, Role: PI, Ended.

37. “Comparison of the effect of two methods of teaching role-playing and lecturing on the level of knowledge and practice of students regarding the correct positioning of surgery in the operating room”, Alborz University of Medical Sciences, Role: PI, Ended.

38.” Comparison of the effect of lecture and puzzle teaching methods in virtual-based education on operating room students' learning, Remember and Academic Engagements in Alborz University of medical science.”, Alborz University of Medical Sciences, Role: PI, Ended.

39. “A reform of current professional ethics course to the integration of several longitudinal curricular themes into the undergraduate operating room technology curriculum: A mixed study”, Alborz University of Medical Sciences, Role: PI, Ended.

40. “Revision and vertical integration in anatomy and surgical technologies course in operating room technology curriculum to enhance students' learning outcomes”, Alborz University of Medical Sciences, Role: PI, Ended.

41. “Design, implementation, and evaluation of surgery resident’s basic skills curriculum”, Alborz University of Medical Sciences, Role: PI, Ended.

42. “Evaluation of the effect of visual anatomy training package with vertical integration approach on the level of knowledge of general medicine students after the basic sciences exam and then in the internship at Alborz University of Medical Sciences”, Alborz University of Medical Sciences, Role: PI, Ended.

43. “Design, Implementation, and Assessment of Electronic Portfolio in Clinical Education Development of Operating Room Students: A Scholarship Study”, Alborz University of Medical Sciences, Role: PI, Ended.

44. “Evaluation of moral sensitivity of faculty members of Alborz University of Medical Sciences”, Alborz University of Medical Sciences, Role: PI, Current.

45. “Students and Faculty Members’ Experiences About Virtual Education During the Covid-19 in School of Dentistry of Alborz University of Medical Sciences”, Alborz University of Medical Sciences, Role: PI, Ended.

45. “Evaluation of the effect of informative assessment by CIP method in internship level on operating room technology students learning and improvement of clinical reasoning in Alborz University of Medical Sciences”, Alborz University of Medical Sciences, Role: PI, Ended.

46. “Comparison of face-to-face and virtual teaching methods on the level of knowledge and attitude of Alborz selective universities students regarding assisted reproductive methods”, Alborz University of Medical Sciences, Role: PI, Current.

47.“Investigating the performance of Intensive Care Units staff related to following Standard Guideline about Decontamination Process by 360 Degree appraise in Hospitals of Guilan University of Medical Science”, Alborz University of Medical Sciences, Role: PI, Ended.

48. “Compilation of perioperative nursing process guidelines in Iran based on the standard documents of the American Operating Room Nursing Association: A mixed study”, Alborz University of Medical Sciences, Role: PI, Current.

49. “Development and psychometric Properties of the Caring Behaviors of operating room technologists’ questionnaire in IRAN: A Mixed‑Method Study”, Alborz University of Medical Sciences, Role: PI, Current.

50. “Assessment of psychometric Properties of Munro Pressure Ulcer Risk Assessment Scale to Iranian population”, Alborz University of Medical Sciences, Role: PI, Current.

51. “Explaining the views of surgical technologists regarding use of disposable instrument in reusable form in minimal invasive surgeries”, Alborz University of Medical Sciences, Role: PI, Current.

# Teaching Experience

1. *Principles of Working in Operating Room for Surgical Technologists*, Alborz University of Medical Sciences, undergraduate, 2009-present.

2. *Principle and Techniques of Circulating and Scrub Person Performance*, Alborz University of Medical Sciences, undergraduate, 2009-present.

3. *Operating Room Leadership and Management*, Alborz University of Medical Sciences, undergraduate, 2012-present.

4. *Professional Ethics in Operating Room*, Alborz University of Medical Sciences, undergraduate, 2009-present.

5. *Principles of Sterilization and Disinfection*, Alborz University of Medical Sciences, undergraduate, 2009-present.

6. *Ophthalmic Surgical Technology for the Surgical Technologist*, Alborz University of Medical Sciences, undergraduate, 2015-present.

7. *Principles of Advanced Care in PACU*, Alborz University of Medical Sciences, undergraduate, 2009-present.

8. *Medical terminology for The Surgical Technologist*, Alborz University of Medical Sciences, undergraduate, 2009-2015.

9. *Pediatric Surgical Technology for The Surgical Technologist*, Alborz University of Medical Sciences, undergraduate, 2012-2019.

10. *Thoracic, cardiac, and vascular Surgical Technology for The Surgical Technologist*, Alborz University of Medical Sciences, undergraduate, 2018-present.

11. *Introduction to operating room equipment and instruments*, Alborz University of Medical Sciences, undergraduate, 2009-present.

12. *Research methods in operating room field*, Alborz University of Medical Sciences, undergraduate, 2014-present.

13. *Clinical education in the operating room*, Alborz University of Medical Sciences, undergraduate, 2009-present.

14. *Environmental and professional Health in the operating room*, Alborz University of Medical Sciences, undergraduate, 2019-present.

15. *Perioperative nursing care*, Alborz University of Medical Sciences, undergraduate, 2014-present.

16. *Research methods in medical sciences*, Alborz University of Medical Sciences, post-graduate, 2023.

17. *Advanced equipment and instruments in the operating room*, Alborz University of Medical Sciences, post- graduate, 2023.

18. *Teaching methods*, Alborz University of Medical Sciences, graduate, 2023.

19. *Medical Ethics*, Alborz University of Medical Sciences, post-graduate, 2020-present.

20. *Physical Examination*, Alborz University of Medical Sciences, post- graduate, 2023.

**PhD Thesis Advised:**

Elham Ramezani, “Elaboration of the competency framework clinical leadership in surgical residents and designing its measurement tool in medical education”, co-advisor, Iran University of Medical Sciences

**MSc Thesis Advised**

1. Zahra Nuri, “Relationship between Emotional Intelligence and Coping-With-Stress Styles in Operating Room Technologists”, co-advisor, Iran University of Medical Sciences, 2015.

2. Sheida Ahmadi, “Evaluate the level of observing the pre-operative standard care principles in the elderly people admitted to the surgical rooms in educational hospitals of Iran University of Medical Sciences in 2017-2018”, co-advisor, Iran University of Medical Sciences, 2018.

3. Azar Arabkhazaee, “Determining operating room technologists' clinical competence in educational care hospitals of Iran University of Medical Sciences in 2017”, co-advisor, Iran University of Medical Sciences, 2018.

4. Azin Arabkhazaee, “The Effect of Education Based on the Spinal Fusion Surgery Simulation on the Level of Knowledge and Practical Skills of the 8th Students”, co-advisor, Iran University of Medical Sciences, 2018.

5. Afsaneh Askarkhah, “Investigating the Compliance of Structural and Functional Standard in Sterilization Units in Educational-Therapeutic Hospitals of Guilan University of Medical Sciences in 2019-2018”, co-advisor, Iran University of Medical Sciences, 2019.

6. Nazanin Saraf, “Comparison of Task-Based Learning and Current Method of Teaching on the Knowledge and Practice Skill of Surgical Technologists in Iran University of Medical Sciences”, co-advisor, Iran University of Medical Sciences, 2019.

7. Sahar Karami, “Psychometric evaluation and localization of STEEM tool for surgical technologists in Iran”, Advisor, Iran University of Medical Sciences, 2016.

8. Fahimeh Havaeji, “Evaluation of the effect of concept map training in comparison with the lecture method on the level of learning, retention, and Satisfaction with teaching methods in surgical technology students”, co-advisor, Iran University of Medical Sciences,2020.

9. Kamran Ghasemi, “Students and Faculty Members’ Experiences About Virtual Education During the Covid-19 in School of Dentistry of Alborz University of Medical Sciences”, co-advisor, Alborz University of Medical Sciences,2021.

10. Rana Abjar “Comparative study of the effect of acupressure and deep breathing on anxiety, fatigue intensity and sleep quality of operating room staff”, co-advisor, Mazandaran University of Medical Sciences, 2020.

11. Mohsen Yaghmaee, “Running orthopedic surgery technology course by vertical integration approach: designing, implementation and evaluation”, co-advisor, Iran University of Medical Sciences,2023.

12. Mohsen Khalilnegad, “Evaluation of performance, structural and equipment standards of post-anesthesia care Units in selected hospitals under the supervision of Alborz University of Medical Sciences in 2023”, co-advisor, Alborz University of Medical Sciences, 2023.

13. Samaneh Drodian, “Evaluation of the compliance of the physical and functional standards of bone cement used in Total knee arthroplasty surgery in selected hospitals in Alborz University of Medical Sciences 2023”, co-advisor, Alborz University of Medical Sciences,2023.

14. Sanaz Rasulpanah, “Investigating the level of compliance with the principles of safe surgery in the operating room in selected hospitals in Alborz University of Medical Sciences in 2023”, co-advisor, Alborz University of Medical Sciences, 2023.

15.Nasrin Shirani Rad**,** “Comparing "Medical Ethics and Professionalism" and "Clinical Communication Skills" courses in the General Dental Curriculum of Iran with similar Curricula in selected universities in the world”, co-advisor, Alborz University of Medical Sciences, 2023-2024.

16.Nasim Jamshidi Malekara,“Assessment of the operating room staff's' knowledge and performance regarding the management of hypothermia induced by spinal anesthesia in selected hospitals in Alborz University of Medical Sciences”, advisor, Alborz University of Medical Sciences, 2024.

19. Naser Hasaninia,“Evaluating the relation between attitude and moral sensitivity of operating room students in Alborz University of Medical Sciences”, advisor, Alborz University of Medical Sciences, 2024.

20. Farima Shahraki, “Investigating the patient's length of stay and the related factors to their turnover in the PACU in ophthalmic surgery hospitals in two selected provinces of the Iran”, advisor, Alborz University of Medical Sciences, 2024.

21.Sepideh Soltan, “*Evaluation* of the relation between preoperative fasting and anxiety on the amount of post-operative pain in bariatric surgery patients in hospitals of Alborz Province”, advisor, Alborz University of Medical Sciences, 2024.

22.Hosein Mehrzad, “Comparing three methods in draping of C-arm in spine surgery”, advisor, Alborz University of Medical Sciences, 2024.

23.Sanaz Mirrahimi, “Evaluating the level of knowledge, attitude, and practice of surgical team members regarding the positioning standards in laparoscopic surgeries in hospitals of Alborz province”, advisor, Alborz University of Medical Sciences, 2024.

24.Mariam Seied, “Investigating the level of awareness and performance of Caesarean section patients regarding post-spinal anesthesia care in Kamali hospital of Alborz University of Medical Sciences”, advisor, Alborz University of Medical Sciences, 2024.

25. Farima Shahraki, “Investigating the effect of the geriatric care educational round on the attitude, knowledge and performance of operating room technology students in the geriatric perioperative care at Alborz University of Medical Sciences”, advisor, Alborz University of Medical Sciences, 2024.

26.Mariam Seied, “Psychometric Evaluation of Assessment of Interprofessional Team Collaboration Scale (AITCS) among Operating Room Staff”, advisor, Alborz University of Medical Sciences, 2024.

27.Amirabass Moradi, “Investigating the relationship between the academic performance of medical students with the amount of cell phone use and ADHD symptoms”, advisor, Alborz University of Medical Sciences, 2024.

28. Sanaz Mirrahimi, “Investigating the implementation of the patient dignity program in the operating room on the satisfaction and surgical outcomes of patients undergoing cesarean section surgery”, Co-advisor, Alborz University of Medical Sciences, 2024.

# Professional Service

**Workshop Organized**

1. Ethics in medical education 80 hours, 2018-2023.

2. Ethics in clinical research 25 hours, 2021-2023.

3. Students’ assessment tools 40 hours, 2019-2022.

4. Clinical evaluation 45 hours, 2020-2024.

5. Modern Teaching methods 60 hours, 2020-2022.

6. Course and lesson planning 60 hours, 2018-2022.

7. Communication in health team 60 hours, 2019-2023.

8. Professionalism in medical teaching 10 hours, 2020-2023.

9. Ethics in clinical education 45 hours, 2018-2022.

10. Program evaluation 25 hours, 2020-2022.

11. Work-based assessment tool 25 hours, 2020-2022.

12. Teaching and Learning in the Operating Room 45 hours, 2018-2021.

**Peer-Reviewed Articles for**:

* Journal of Advances in Medical Education & Professionalism
* Komesh
* Strides in Development of Medical Education

**Innovation in medical education:**

* Development of educational apps in the teaching of surgical instruments.
* Innovation of a real-experience method of teaching surgical positioning education in the simulated operating room.
* Development of e-portfolio for clinical assessment.
* Innovation in surgical education by using the picking puzzle method titled 5GaimCard.
* Innovation in surgical education by using concept mapping.
* Development of a customizes tool to evaluate operating room climate titled IMOTEC.
* Development of a specific assessment tool to evaluate basic surgical skills in surgical residents titled OSABSS

**Innovation in the clinical field:**

* Development of a new method in surgical exposure by assembling simple and available instruments and supplies including towel clamps and suction tube.