

## Personal Details

**Full Name:** Fatemeh Masjedi

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**Affiliation:** Nephro-Urology Research Center,  
Shiraz University of Medical Sciences, Shiraz, Iran

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**Gender:** Female

**Marital status:** Single

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## Education and Qualifications

- 2001–2005      **B. Sc. Biology**, Department of Biology, Faculty of Sciences, Tarbiat Moallem University, Tehran, Iran
- 2006–2009      **M. Sc. Physiology**, Department of Biology, Faculty of Sciences, Shahid Bahonar University of Kerman, Kerman, Iran  
(Grade Average Point: 18.29)  
**Thesis title:** Preventive Effect of Garlic (*Allium sativum* L.) on Serum Biochemical Factors and Histopathology of Pancreas and Liver in Streptozotocin-Induced Diabetic Rats  
Supervisor: Dr. Ali Gol (Ph.D. in Medical Physiology)  
Advisor: Dr. Shahriar Dabiri (M.D in Pathology)
- 2012–2018      **Ph. D. Medical Physiology**, Department of Physiology, Faculty of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran  
(Grade Average Point: 18.2)  
**Thesis title:** Investigation and comparison of the Effect of Vitamin D on Sex Steroid Hormones Production, Expression and Activity of Superoxide Dismutase and Glutathione Peroxidase, ROS Generation and Apoptosis in Granulosa Cells culture medium of Healthy Subjects and PCOS Patients  
Supervisor: Dr. Sara Keshtgar (Ph.D. in Medical Physiology)  
Advisors: Dr. Tahereh Talaei (Ph.D. in Anatomy) & Dr. Fatemeh Zal (Ph.D. in Biochemistry)
- 2019–2022      **MPH Health Policy**, Health Policy Research Center, Shiraz University of Medical Sciences, Shiraz, Iran (Grade Average Point: 18.30)

### Honors and Awards

- Outstanding student at all levels of school
- Top student at the M.Sc. and Ph.D. levels in the university
- Top student of physiology at the Shiraz University and Shiraz University of Medical Sciences
- Member of the Brilliant Talent and National Elite Foundation
- Top Cited & Downloaded Article 2020-2021 in Wiley Press
- Appreciation letter from Shiraz University of Medical Sciences Research Vice-Chancellor for leading the Student Research Committee of the Shiraz Nephro-Urology Research Center Research Center

### Memberships & Associations

- Student Research Committee of Shiraz University of Medical Sciences
- Iranian Biology Society
- Iranian Society of Physiology and Pharmacology (ISPP)
- Iranian Society of Embryology and Reproductive Biology (ISERB)
- European Society of Human Reproduction and Embryology (ESHRE)
- Iranian Society of Nephrology, Iran
- International Society of Nephrology (ISN)
- European Renal Association - European Dialysis and Transplant Association (ERA/EDTA)
- Hindawi Reviewer team
- Springer Nature Reviewer team
- Review Editor in Alloimmunity and Transplantation section, Frontiers in Immunology
- Editorial Board & Editorial Staff of International Journal of Organ Transplantation Medicine (IJOTM)
- Website admin of Iranian Society of Organ Transplantation

### Language Skills

- Persian (native)
- English Diploma, Ministry of Science Research and Technology (MSRT), Score 69/100.

### Software skills

- International Computer Driving License (ICDL 1 & 2)
- Microsoft office, Adobe Photoshop, Adobe InDesign, SPSS, EndNote, GraphPad Prism, FlowJo, Cell Quest, Allele ID, Oligo, ABI 7500Real-time software, CASA System automatic sperm analyzer, Microplate software Gene 5<sup>TM</sup>, STATA software (meta-analysis), Familiarity with software programming and web design, etc.

### Research Experience

- Cell culture techniques and skills (Granulosa cells, Stem Cells, Renal Cell Lines, Cancer Cell Lines)
- Western blot & Types of PCR methods and related devices
- Laboratory animals [Handling, Injection, Gavage, Blood collection, Animal surgery, Stereotaxic procedures, Induction of diseases (Animal Models), etc.].
- Related Skills and Software for Light Microscope, Fluorescent & Phase contrast Microscope, Invert & Inject Microscope
- Microscopic Photography and Videography
- Related Skills and Software for Spectrophotometer, Microplate Reader, Flow cytometer, etc.
- Hormone Assay
- Semen analysis Methods
- Enzyme activity Assay
- ROS detection Methods (Luminescence and Fluorescent)
- Techniques for preparing histological slides, staining, and stereological study
- In vitro Fertilization (IVF) Techniques
- Immunohistochemistry (IHC) & Immunocytochemistry (ICC)
- Medicinal plants (Identification, Extraction, Preparation, etc.)
- Bioinformatics Studies

### Research Interests

- Sperm & Oocyte Interaction
- Polycystic Ovarian Syndrome
- Biological Fluid Research and Products
- Bioinformatics in Biomedical Research
- Male & Female Urology & Infertility
- Nephrology, dialysis, Transplantation, Immunology
- Reproductive Biology
- Endocrinology & Metabolism
- Cell culture and Tissue Engineering
- Stem cell and Related Studies
- Medicinal Plants Researches & Traditional Drugs Preparations

## Published or Accepted Papers

1. Akbari M, **Masjedi F**, Nekooeian M, Dara M, Roozbeh J. Circulating cell-free mitochondrial DNA in diabetes mellitus: Current insights and unexplored frontiers. *Journal of Diabetes Investigation*. 2025.
2. Gholampour F, **Masjedi F**, Janfeshan S, Karimi Z. Remote limb ischemic pre-conditioning prevents renal Ischemia/reperfusion injury in rats by modulating oxidative stress and TNF- $\alpha$ /NF- $\kappa$ B/TGF- $\beta$ /apelin signaling pathway. *Molecular Biology Reports*. 2025;52(1):4.
3. Hosseini MM, Sanati A, Eslahi A, Irani D, Haghpanah A, Khoshnood O, Karimi Z, **Masjedi F**. Comparison of subcostal and supracostal access in percutaneous nephrolithotomy of isolated upper pole stone: A prospective randomized clinical trial. *Urologia Journal*. 2025:03915603251378595.
4. Karimi Z, Ghahramani P, **Masjedi F**, Yavari V. Klotho plays a crucial role in the renal-protective effect of allopurinol on renal ischemia-reperfusion injury. *The American Journal of the Medical Sciences*. 2025;369(3):398-404.
5. Karimi Z, **Masjedi F**, Janfeshan S. Limb ischemic per-conditioning ameliorated myocardial injury induced by renal ischemia/reperfusion in rats: the role of Klotho. *BMC Cardiovascular Disorders*. 2025;25(1):705.
6. Karimian A, Karimzadeh I, Shafiekhani M, Heidari R, **Masjedi F**, Izadi F, et al. Protective effects of silymarin on preventing vancomycin nephrotoxicity in infectious patients: a randomized, double-blinded, placebo-controlled, pilot clinical trial. *Naunyn-Schmiedeberg's archives of pharmacology*. 2025;398(3):2945-60.
7. **Masjedi F**, Heidari Z, Hosseini K, Zare S, Safari A, Mehrabani D, et al. Fabrication of 3D Collagen-Based Decellularized Biological Scaffolds Using Human Wharton's Jelly-Derived Mesenchymal Stem Cells With Differentiation Potential Toward Chondrocytes. *Stem Cells International*. 2025;2025(1):9953810.
8. **Masjedi F**, Roozbeh J, Ghayoomi Z. # 2862 The ameliorative effects of oral tacrolimus on treatment-resistant pruritus through interleukin 13 signaling pathways in hemodialysis patients: a double-blind, randomized, placebo-controlled trial. *Nephrology Dialysis Transplantation*. 2025;40(Supplement\_3):gfa116.0610.
9. Roozbeh J, **Masjedi F**, Rahmanian S. # 3834 A randomized clinical trial on the effect of PEGylated granulocyte-colony stimulating factor on antibody response in hemodialysis patients who had not responded to routine hepatitis B virus vaccine. *Nephrology Dialysis Transplantation*. 2025;40(Supplement\_3):gfa116.0609.
10. Shirzad Yazdi N, Shorafa E, Abootalebi SN, Heidari R, Hojabri K, Doostfatemeh M, **Masjedi F**, Vazin A, Shafiekhani M. Effect of taurine supplementation on preventing ventilator-associated pneumonia in pediatrics under mechanical ventilation, a randomized controlled double-blind clinical trial. *Frontiers in Pediatrics*. 2025;12:1490247.
11. **Masjedi F**, Namazi N, Vafaei H, Amooee S, Nikeghbalian S, Roozbeh J. Fertility challenges and solutions in women and men with solid organ transplantation: An extensive review of the literature. *Int J Organ Transplant Med (IJOTM)*. 2024;15(2).
12. Karimi Z, Daryabor G, **Masjedi F**. Effects of conditioned media derived from human Wharton's jelly mesenchymal stem cells on diabetic nephropathy and hepatopathy via modulating TGF- $\beta$  and apelin signaling pathways in male rats. *BMC Endocrine Disorders*. 2024;24(1):6.
13. Shamsaeefar A, **Masjedi F**, Roozbeh J, Nazari SS, Zarei E, Jafari M, et al. Liver and pancreas transplantation in adult donor and recipients with situs inversus totalis: a case series and review of the literature. *Journal of Medical Case Reports*. 2024;18(1):398.
14. Roozbeh J, **Masjedi F**. # 3142 Evaluation of antipruritic effect of tacrolimus on hemodialysis patients with uremic pruritus, a double-blind, randomized, clinical trial. *Nephrology Dialysis Transplantation*. 2024;39(Supplement\_1):gfae069-0853-3142.

15. Nekooeian M, Roozbeh J, Ezzatzadegan Jahromi S, Moaref A, **Masjedi F**. The superiority of bioimpedance vs. echocardiography and pitting edema in predicting automated office blood pressure in continuous ambulatory peritoneal dialysis patients. *Therapeutic Apheresis and Dialysis*. 2024;28(2):272-83.
16. Mehdinejadi S, Goudarzi N, **Masjedi F**, Govahi A, Mirani M, Mehdinejadi K, et al. Clinical Applications of Assisted Oocyte Activation in Couples with Various Reproductive Problems: A Systematic Review. *Reproductive Sciences*. 2024:1-27.
17. Nekooeian M, Ezzatzadegan Jahromi S, **Masjedi F**, Soholi M, Shekouhi R, Moaref A. The significance of volume overload in the development of pulmonary arterial hypertension in continuous ambulatory peritoneal dialysis patients. *Therapeutic Apheresis and Dialysis*. 2023;27(4):760-70.
18. Mirani M, Bahmanpour S, **Masjedi F**, Derakhshan Z, Dara M, Nasr-Esfahani MH, et al. Pyridoxamine protects human granulosa cells against advanced glycation end-products-induced steroidogenesis disturbances. *Molecular Biology Reports*. 2023:1-13.
19. Kardeh S, **Masjedi F**, Faezi-Marian S, Shamsaeifar A, Jahromi MT, Pakfetrat M, et al., editors. An Atypical Course of Visceral Leishmaniasis After Kidney Transplantation: A Case Report From Iran. *Transplantation Proceedings*; 2023: Elsevier.
20. Janfeshan S, **Masjedi F**, Karimi Z. Protective effects of limb remote ischemic pre-conditioning on the heart injury induced by renal ischemic-reperfusion through the interaction of the apelin with the RAS/iNOS pathway. 2023.
21. Jahromi MT, Roozbeh J, **Masjedi F**, Mohammadzadeh S, Tabei SS, Shafiee M, et al. Case report: A case of renal arcuate vein thrombosis successfully treated with direct oral anticoagulants. *Frontiers in Medicine*. 2023;10.
22. **Masjedi F**, Karimi Z, Roozbeh J. # 5878 PROTECTIVE EFFECTS OF VITAMIN D ON HYPERANDROGENEMIA-INDUCED-ACUTE KIDNEY INJURY THROUGH THE INTERACTION WITH THE RAS/INOS PATHWAY. *Nephrology Dialysis Transplantation*. 2023;38(Supplement\_1):gfa063c\_5878.
23. Maleki S, Keshtgar S, Ebrahimi B, Matavos-Aramyan H, Karbalaeei N, **Masjedi F**. Effects of CatSper Stimulation and Inhibition by Progesterone and NNC on Human Sperm. *Andrologia*. 2023;2023.
24. Karimi Z, Ghahramani P, **Masjedi F**, Yavari V. Klotho plays a role in reno protective effect of allopurinol on renal ischemia-reperfusion injury. 2023.
25. Janfeshan S, **Masjedi F**, Karimi Z. Protective effects of limb remote ischemic pre-conditioning on the heart injury induced by renal ischemic-reperfusion through the interaction of the apelin with the RAS/iNOS pathway. *BioImpacts*, 2023 (Accepted).
26. Karimi F, Khodabandeh Z, Nazari F, Dara M, **Masjedi F**, Momeni-Moghaddam M. Post-Weaning Exposure to Sunset Yellow FCF Induces Changes in Testicular Tight and Gap Junctions in Rats: Protective Effects of Coenzyme Q10. *Reproductive Sciences* 2023:1-11.
27. Forghani N, Karimi Z, Mokhtari M, Shariati M, **Masjedi F**. Association of Oxidative Stress with Kidney Injury in a Hyperandrogenemic Female Rat Model. *Iranian Journal of Medical Sciences* 2023.
28. Zomorodian SA, Shafiee M, Karimi Z, **Masjedi F**, Roshanshad A. Assessment of the relationship between 25-hydroxyvitamin D and albuminuria in type 2 diabetes mellitus. *BMC Endocrine Disorders* 2022;22:1-7.
29. Zahiri L, Malekmakan L, **Masjedi F**, Habibagahi Z, Habibagahi M. Association Between IL-17A, FOXP3, and CTLA4 Genes Expression and Severity of Lupus Nephritis. *Iranian Journal of Kidney Diseases* 2022;16:13-23.
30. Shahroodi JR, Jahromi MT, **Masjedi F**, Jalali GR, Rasaei N. POS-806 EVALUATING IL35 AND FOXP3 mRNA GENE EXPRESSION IN PERIPHERAL BLOOD OF THE PATIENTS WITH LONG-TERM RENAL GRAFT FUNCTION COMPARED TO ONES WITH EARLY ALLOGRAFT REJECTION.

- Kidney International Reports 2022;7:S346.
31. Rezaei M, Davani F, Alishahi M, **Masjedi F**. Updates in Immunocompatibility of Biomaterials: Applications for Regenerative Medicine. *Expert Review of Medical Devices* 2022.
  32. Pakfetrat Z, Janfeshan S, **Masjedi F**, Rafiei M, Karimi Z. Involvement of oxidative stress and toll-like receptor-4 signaling pathways in gentamicin-induced nephrotoxicity in male Sprague Dawley rats. *Drug and Chemical Toxicology* 2022;45:2568-75.
  33. Nekooeian M, Ezzatzadegan Jahromi S, **Masjedi F**, Soholi M, Shekouhi R, Moaref A. The significance of volume overload in the development of pulmonary arterial hypertension in continuous ambulatory peritoneal dialysis patients. *Therapeutic Apheresis and Dialysis* 2022.
  34. **MASJEDI F**, Shahroodi JR, Faezi S, Jahromi SE, Karimi Z, Jalali GR. POS-639 PREVALENCE OF FRACTURE AND ASSOCIATED RISK FACTORS IN HEMODIALYSIS PATIENTS IN SHIRAZ HOSPITALS, 2013-2019: A MULTICENTER STUDY. *Kidney International Reports* 2022;7:S273-S4.
  35. **MASJEDI F**, Shafiee M, Zomorodian A, Karimi Z, Shahroodi JR. POS-344 PREDICTIVE VALUE OF 25-HYDROXYVITAMIN D IN THE PROGRESSION OF DIABETIC NEPHROPATHY IN PATIENTS WITH TYPE 2 DIABETES MELLITUS. *Kidney International Reports* 2022;7:S155.
  36. **Masjedi F**, Roozbeh J, Karimi Z, editors. MO279: VITAMIN D SUPPLEMENTATION ATTENUATES HYPERANDROGENEMIA-ASSOCIATED ACUTE KIDNEY INJURY IN FEMALE SPRAGUE-DAWLEY RATS. *Nephrology Dialysis Transplantation* 2022;37:gfac067. 78.
  37. Karimi Z, **Masjedi F**, Janfeshan S, Roozbeh J, editors. MO356: PROTECTIVE EFFECTS OF REMOTE ISCHEMIC PER-CONDITIONING AGAINST HEART INJURY INDUCED BY RENAL ISCHEMIC/REPERFUSION: THE ROLE OF APELIN. *Nephrology Dialysis Transplantation* 2022;37:gfac135. 011
  38. Karimi Z, **Masjedi F**, Doostkam A, Roozbeh J, Malekmakan L. Investigating the Association between Gender and Age Distribution with Severity of COVID-19: a Single-Center Study from Southern Iran. *Women's Health Bulletin* 2022.
  39. Haghpanah A, **Masjedi F**, Salehipour M, Hosseinpour A, Roozbeh J, Dehghani A. Is COVID-19 a risk factor for progression of benign prostatic hyperplasia and exacerbation of its related symptoms?: a systematic review. *Prostate Cancer and Prostatic Diseases* 2022;25:27-38.
  40. Haghpanah A, **Masjedi F**, Hosseinpour A, Dehghani A. Reply to De Nunzio, Franco, and Lombardo. *Prostate Cancer and Prostatic Diseases* 2022;25:129.
  41. Forghani N, Karimi Z, Mokhtari M, Shariati M, **Masjedi F**. Functional and histopathological kidney injury in hyperandrogenic female rats-a polycystic ovary animal model. *Medical Journal of Tabriz University of Medical Sciences* 2022.
  42. Doostkam A, Malekmakan L, Hosseinpour A, Janfeshan S, Roozbeh J, **Masjedi F**. Sialic acid: an attractive biomarker with promising biomedical applications. *Asian Biomedicine* 2022;16:153-67.
  43. Doostkam A, Hosseinpour A, Irvani K, Malekmakan L, Haghpanah A, **Masjedi F**, Karimi Z, Rouzbeh H, Roozbeh J. Coronavirus Disease 2019 and Hypertension: How Anti-Hypertensive Drugs Affect COVID-19 Medications and Vice Versa. *Current Drug Safety* 2022.
  44. **Masjedi F**, Roozbeh J, Karimi Z. MO469 POSSIBLE MECHANISMS OF THE SARS-COV-2-INDUCED AKI PROGRESSION TO CKD: A FORWARD-LOOKING PERSPECTIVE. *Nephrology Dialysis Transplantation* 2021;36:gfab090. 0031.
  45. Karimi Z, **Masjedi F**, Malekmakan L, Doostkam A, Roozbeh J, Ghahramani N. Potential Mechanisms of the SARS-CoV-2-induced AKI Progression to CKD: A Forward-Looking Perspective. *Iranian Journal of Kidney Diseases* 2021;15.
  46. Joukar MJ, **Masjedi F**, Hoseinpour F, Borhani Haghighi A. Association between Length of Emergency Department Stay with NIHSS and MRS among Patients with Acute Ischemic Stroke. *Journal of Vessels and Circulation* 2021;2:18.-

47. **Masjedi F**, Keshtgar S, Zal F, Talaei-Khozani T, Sameti S, Fallahi S, Kazeroni M. Effects of vitamin D on steroidogenesis, reactive oxygen species production, and enzymatic antioxidant defense in human granulosa cells of normal and polycystic ovaries. *The Journal of steroid biochemistry and molecular biology* 2020;197:105521.
48. Haghpanah A, **Masjedi F**, Alborzi S, Hosseinpour A, Dehghani A, Malekmakan L, Roozbeh J. Potential mechanisms of SARS-CoV-2 action on male gonadal function and fertility: Current status and future prospects. *Andrologia* 2020;13883.
49. Mohammadi Mahdiabadi Hasani MH, **Masjedi F**, Khadivi F, Mohammadi S. The Protective Effect of Hydroalcoholic Extract of Green Tea (*Camellia sinensis* L.) on Anxiety Behaviors Induced with Chronic Noise Stress in Adult Male Wistar Rats. *Journal of Kerman University of Medical Sciences (JKMU)* 2019;26:260-70.
50. **Masjedi F**, Keshtgar S, Agah F, Karbalaeei N. Association Between Sex Steroids and Oxidative Status with Vitamin D Levels in Follicular Fluid of Non-obese PCOS and Healthy Women. *Journal of Reproduction & Infertility* 2019;20:132-42.
51. **Masjedi F**, Gol A, Dabiri S. Preventive effect of garlic (*Allium sativum* L.) on serum biochemical factors and histopathology of pancreas and liver in streptozotocin-induced diabetic rats. *Iranian journal of pharmaceutical research: IJPR* 2013;12:325.
52. Badreh F, Abbasnejad M, **Masjedi F**. The Effect of Ascorbic Acid Injection into the Nucleus Accumbens Shell on Food Intake and Body Weight in Male Rats. *Iranian Journal of Endocrinology and Metabolism* 2012;14:289-95.
53. **Masjedi F**, Gol A, Dabiri S. Preventive effect of garlic juice on food intake and serum levels of glucose, cholesterol and triglycerides in streptozotocin-induced diabetic rats. *Journal of Medicinal Plants* 2010;9:124-35.
54. **Masjedi F**, Gol A, Dabiri S, Javadi A. Preventive effect of garlic on histopathology of liver and markers of hepatic injury in streptozotocin-induced diabetic rats. *Iranian Journal of Endocrinology and Metabolism* 2009;11:433-41.
55. **Masjedi F**, Gol A, Dabiri S, Javadi A. Investigating the Preventive Effect of Garlic on Blood Glucose Levels and Histopathology of Pancreas in Streptozotocin-induced Diabetic Rats. *Physiology and Pharmacology* 2009;13:179-90.

### Published Books

1. Masjedi F and Gol A, **The Role of Oxidative Stress in the Induction, Progression, and Treatment of Leukemia (With emphasis on medicinal Plants and natural anticancer substances)**, Hormozgan University of Medical Sciences Press, September 2012, ISBN: 978-600-5610-72-7 ([www.hums.ac.ir](http://www.hums.ac.ir)) (collection & compilation book). (Selected Book in 6<sup>th</sup> Persian Gulf International Art & Culture Festival, 29 April 2016, Bandar Abbas, Hormozgan, Iran).
2. Masjedi F, Roozbeh J. **Lupus nephritis and pregnancy**. The Kidney of the Critically Ill Pregnant Woman: Academic Press; 2025. p. 103-15.
3. Roozbeh J, Masjedi F. **Renal biopsies during pregnancy**. The Kidney of the Critically Ill Pregnant Woman: Academic Press; 2025. p. 143-51.

### National & International Congress & Symposium

1. 15<sup>th</sup> National & 3<sup>rd</sup> International Conference of Biology, 19-21 August 2008, University of Tehran, Tehran, Iran (Poster)
2. National Conference of Biology Students, 15-16 July 2009, Shahrekord University, Chaharmahal and Bakhtiari, Iran (Oral)
3. 19<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 3-6 November 2009, Shahid Beheshti University of Medical Sciences, Tehran, Iran (Poster)
4. 16<sup>th</sup> National and 4<sup>th</sup> International Conference of Biology, 14-16 September 2010, Ferdowsi University of Mashhad, Mashhad, Iran (Poster)
5. 3<sup>rd</sup> International Congress on Reproduction (ISERB & ICRHC: Twins Congress), 20-22 May 2017, Journal of Reproduction & Infertility. 2017;18(Supplement 2):101, Iran University of Medical Sciences, Tehran, Iran (Poster)
6. 23<sup>rd</sup> Iranian & 2<sup>nd</sup> International Congress of Physiology and Pharmacology, 15-18 February 2018, Chabahar, Iran (Oral)
7. 4<sup>th</sup> International Congress on Reproduction (ISERB), 24-27 April 2018, Journal of Reproduction & Infertility. 2018;19(Supplement):119, Iran University of Medical Sciences, Tehran, Iran (Poster)
8. Royan International Twin Congress, 19<sup>th</sup> Congress on Reproductive Biomedicine, 29-31 August 2018, Tehran, Iran (Poster)
9. Royan International Twin Congress, 20<sup>th</sup> Congress on Reproductive Biomedicine, 28-30 August 2019, Tehran, Iran (Oral)
10. 24<sup>th</sup> Iranian & 3<sup>rd</sup> International Congress of Physiology and Pharmacology, 30 October- 01 November 2019, Tehran, Iran (Poster)
11. 58<sup>th</sup> ERA-EDTA Congress, June 5-8, 2021, Berlin (Online Oral)
12. 25<sup>th</sup> Iranian & 4<sup>th</sup> International Congress of Physiology and Pharmacology, 20-22 Oct 2021, Tehran, Iran (Poster)
13. World Congress of Nephrology (WCN), February 24-27, 2022, Kuala Lumpur, Malaysia (Poster)
14. 59<sup>th</sup> ERA Congress, May 19-22, 2022, Paris (Online Oral)
15. Royan International Twin Congress, 23<sup>th</sup> Congress on Reproductive Biomedicine, 07-09 September 2022, Tehran, Iran (Oral)
16. 60<sup>th</sup> ERA Congress, June 15-18, 2023, Milan (Online Oral)
17. The 9<sup>th</sup> International Congress of the Iranian Society for Organ Transplantation (IRSOT 2023)
18. 61<sup>st</sup> ERA Congress in Stockholm, May 23-26, 2024 (Online Oral)

19. Royan International Twin Congress, 24th Congress on Reproductive Biomedicine, 28-30 August 2019, Tehran, Iran (Oral)
20. 24th Hybrid Congress on Reproductive Biomedicine 31 August-1 September 2023 (Oral)

### Teaching & Work Experience

- Laboratory equipment, maintenance, and principles of work with them (12 hours)
- Teaching experience for five terms at Shiraz University of Medical Sciences (125 hours equivalent to 20 curriculum unit)
- Teaching experience for two terms at Shahid Bahonar University of Kerman (40 hours equivalent to 5 curriculum units)
- Conducting proposal writing, article writing, EndNote, and GraphPad Prism workshops for medical students

### Workshops and Scientific Certificates

1. Principles of Real-Time PCR (8 hours)
2. Principles of Primer Design for Real-Time PCR (6 hours)
3. Flow cytometry (8 hours)
4. Fluorescence in Situ Hybridization (FISH) (Sperm and Amniotic Fluid) (10 hours)
5. Oocyte and embryo freezing based on vitrification (8 hours)
6. Sperm banking and cryopreservation of sperm and clean room IVF (8 hours)
7. How to Read and Understand a Scientific Paper (12 hours)
8. Systematic Review: An Introduction (12 hours)
9. Introducing Mendeley software (5 hours)
10. GraphPad Prism software (6 hours)
11. Safety and protection in biomedical laboratories (16 hours)
12. Principles of work and maintenance of laboratory microscopes (4 hours)
13. Western Blotting & SDS-PAGE (12 hours)
14. Proteomics Workshop and MS-Spectrometry Results Interpretation (12 hours)
15. 10<sup>th</sup> Royan International Summer School: Molecular Biomedicine (5 days)
16. 3<sup>rd</sup> E-learning Summer School, Shiraz University of Medical Sciences (4 days)
17. National Biotech School (NBS 2019), Pasteur Institute of Iran (10 days)
18. Principal of Molecular Dynamic Simulation, Royan Institute of Iran: Advanced Applied Microbiology, Enzyme Engineering and Production, Advanced Vaccination and Protein Engineering (15 days)
19. Microfluidic Scaffolds for Tissue Engineering (10 hours)
20. Isolation & Culture of Human Skin Fibroblasts, Keratinocytes, and Melanocytes (10 hours)
21. Isolation & Culture of Human and Rat Dental Pulp and Endometrial Stem Cells (12 hours)
22. Isolation & Culture of Limbal Stem Cells and Application for Eye Regenerative Medicine (10 hours)
23. Gene Editing using CRISPR cas9 (12 hours)
24. Short-Term Course in Blended Learning and Electronic Content Production Software (80 Hours)
25. Basic to Advance Bioinformatics (30 hours)
26. Winter School: Stem cell Studies (18 hours)
27. School of Diagnostic Kits Development (15 days), International Institute of New Sciences (INSS) in collaboration with Swiss Pharma Commerce, Summer 2021.
28. 13<sup>th</sup> Royan International E-Summer School: Bioinformatics in Biomedical Research (5 days)
29. Summer School 2021: Genetic Epidemiology of Kidney function and Chronic Kidney Disease, July 12-16, 2021, Bolzano, Italy