



## Curriculum Vitae

### Personal Information

<b>First name:</b> Farzaneh	<b>Surname:</b> Fesahat
<b>Date of birth:</b> 28th Aug 1981	<b>Title:</b> Assistant Professor, Ph.D. of reproductive biology
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Scopus link: <https://www.scopus.com/authid/detail.uri?authorId=57198173831>

Researchgate link: <https://www.researchgate.net/profile/Farzaneh-Fesahat>

Publons link: <https://www.webofscience.com/wos/author/record/AAF-4822-2020>

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## **Educational Background**

2000-2004 General Biology(BS) Shiraz University, Iran-shiraz

2004-2006 Cell & molecular Biology (MSc) khatam university, Iran-Tehran

2013-2018 Reproductive biology (Ph.D.) Shahid Sadoughi University of Medical Science, Research, and Clinical Center for Infertility Yazd, Iran

## **Employment / Professional Experiences**

• **2005-2006 MSc thesis ‘Investigation of genetic background polymorphism & mtDNA common deletion in brain dementia (Alzheimer’s & Parkinson’s disease)’** in Department of Medical Genetics, National Institute for Genetic Engineering and Biotechnology, Tehran, Iran.

• **2007-2010** MSc technician & research assistant of stem cell lab in Research and Clinical Center for Infertility, Shahid Sadoughi University of Medical science, Yazd, Iran

• **2010-2014** MSc technician & research assistant of the faculty of pharmacy (herbal medicine research center and cell culture)

• **2014-2017 Ph.D. thesis" Preimplantation genetic screening (PGS) of embryos derived from human oocytes matured in vivo and in vitro at ICSI cycles"**

Ph.D. of Reproductive biology, Shahid Sadoughi University of medical science, Research and Clinical Center for infertility Yazd, Iran

## Skills

- PCR & RNA /DNA extraction, two-dimensional electrophoresis, sequencing analysis
- Sperm processing, oocyte and sperm manipulation, research activity at cytotoxicity fields and reproductive biology
- Cell Culturing & passage, cell freeze, and thawing, Immunohistochemistry test
- IVM and oocyte manipulation, FISH technique, real-time PCR, and primer design
- Expert in designing Research methods and study design for student thesis /research projects in regenerative medicine, reproductive biology, and andrology fields
- Sufficient experience in the design and implementation of projects based on the performance evaluation and clinical application of synthesized recombinant biomaterials based on different conditions
- Computer (office software's) & internet for Search & research
- ART techniques such as sperm processing, oocyte manipulation, and IVF/ICSI
- Fluent in translating, reading, scientific writings, listening and good in speaking English

## Article Publications

**1. Farzaneh Fesahat**, Massoud Houshmand, Mehdi Shafa Shariat Panahi, Kurosh Gharagozli, and Farzaneh Mirzajani. [Do Haplogroups H and U Act to Increase the Penetrance of Alzheimer's Disease? Cellular and Molecular Neurobiology](#). 2006; 27(3):329-334. (Extracted from my MSc thesis)

2. Massoud Houshmand, Mehdi Shafa Shariat Panahi, **Farzaneh Fesahat**, Kurosh Gharagozli. [Lack of association between mitochondrial A4336G/haplogroup and Parkinson's disease. Journal of Chinese Clinical Medicine](#). 2007; 2(5):259-265. (Extracted from my MSc thesis)

3. Masoud Hafezi-Ardakania, Fatollah Moztarzadeha, Mohammad Rabiee, Ali Reza Talebi, Marziye Abasi-shahnic, **Farzaneh Fesahat** and Fatemeh Sadeghian. [Sol-gel synthesis and apatite-formation ability of nanostructure merwinite \(Ca<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub>\) as a novel bioceramic. Journal of Ceramic Processing Research](#). 2010 ; 11(6):765-768

4. Mohammad Ali Khalili, Morteza Anvari, Sayyed H. Hekmati-Moghadam, Fatemeh Sadeghian-Nodoushan, **Farzaneh Fesahat** and Sayyed M. Miresmaeili, [Therapeutic Benefit of Intravenous Transplantation of Mesenchymal Stem Cells After Experimental Subarachnoid Hemorrhage in Rats. Journal of Stroke and Cerebrovascular Diseases](#), 2011: 1-7.

5. Masoud Hafezi, AliRezaTalebi, Seyed Mohsen Miresmaeili, Fatemeh Sadeghian, **Farzaneh Fesahat**. [Histological analysis of bone repair in rat femur via nanostructured merwinite granules](#). *Ceramics International*. 2013; 39, 4575–4580.
6. Ali Reza Navab, Fatemeh Sadeghian Nodoshan, Mohammad Hasan Sheikhha, Sayyed Mohsen Miresmaeili, Mehrdad Soleimani, **Farzaneh Fesahat**. [Characterization of mesenchymal stem cells from human dental pulp, preapical follicle, and periodontal ligament](#). *Iran J Reprod Med*. 2013;11(3).235-242. **Corresponding Author: Farzaneh Fesahat,**
7. Hadi Zare-Zardini, Behnaz Tolueinia, Azam Hashemi, Leila Ebrahimi, **Farzaneh Fesahat**. [Antioxidant and cholinesterase inhibitory activity of a new peptide from \*Ziziphus jujube\* fruits](#). *American Journal of Alzheimer s and disease and other dementias*. 2013; 28(7):702-9.
8. Miresmaeili SM, Halvaei I, **Fesahat Farzaneh**, Fallah A, Nikonahad N, Taherinejad M, [Evaluating the Role of Silver Nanoparticles on Acrosomal Reaction and Spermatogenic Cells in Rat](#). *Iran J Reprod Med*. 2013; 11(3).235-242 **.Corresponding Author: Farzaneh Fesahat,**
9. **Farzaneh Fesahat**, Mohammad Hasan Sheikhha, Azam Rasti, Fatemeh Sadeghian Nodoshan, Hadi Zare-Zardini, Ali Reza Navabazam. [An Investigating on mitochondrial DNA deletion and telomere shortening during multiple passages of adult stem cells](#). *Avicenna J Med Biotech*. 2014; 6(3): 156-162.
10. Khalili MA, Sadeghian-Nodoushan F, **Fesahat Farzaneh**, Mir-Esmaeili SM, Anvari M, Hekmati-Moghadam SH. [Mesenchymal stem cells improved the ultrastructural morphology of cerebral tissues after subarachnoid hemorrhage in rats](#). *Experimental neurobiology*. 2014 1;23(1):77-85.
11. Fatemeh Anbari, Khalili MA, Ahmad Reza Bahrami, Arezoo khoradmehr, Fatemeh Sadeghian, **Farzaneh Fesahat**, Ali nabi. [Intravenous transplantation of bone marrow mesenchymal stem cells promotes neural regeneration after traumatic brain injury](#). *Neural Regen Res*. 2014,1; 9(9):919-923.
12. Pourmovahed Z, Yassini Ardekani SM, Khalili MA, Halvaei I, Nabi A, Ghasemi M, **Fesahat Farzaneh**. [The Comparison of Anxiety and Depression rate between Medical Staff of Infertility centers and Obstetrics and Gynecology Centers of Yazd, Shiraz, Isfahan and Kerman Hospitals](#). *Iran J Reprod Med*. 2014; 12(3):183-188.

13. **Farzaneh Fesahat**, Mehdi Khoshneviszadeh, Alireza Foroumadi, Alireza Vahidi, Maryam Fereidounpour, Amirhossein Sakhteman. [Cytotoxic activity of some N-substituted piperidine derivatives using MTT assay](#). *Trends in Pharmaceutical Sciences*. 2014; 1(1): 15-19.
14. Hadi Zare-Zardini, **Farzaneh\_Fasahat**, Fatemeh Anbari. [Assessment of spermicidal activity of the antimicrobial peptide sarcotoxin Pd: A potent contraceptive agent](#). *The European Journal of Contraception and Reproductive Health Care*, 2015:1–7. **Corresponding Author: Farzaneh Fesahat.**
15. Fatemeh Sadeghian, Reza Aflatoonian, Zahra Borzouie, Fatemeh Akash, **Farzaneh Fesahat**, Mehrdad Suleiman , samaneh aghajanpour, Harry D Moore, Behrouz Aflatoonian. [Pluripotency and Differentiation of Cells from Human Testicular Sperm Extraction: An Investigation of Cell Stemness](#). *Molecular Reproduction & Development*. 2016:1–12.
16. Jalal Ghasemzadeh, Ali Reza Talebi , Mohammad Ali Khalili , **Farzaneh Fesahat** , Sareh Ashourzadeh, Iman Halvaei ,Ali Nabi . [Sperm parameters, protamine deficiency and apoptosis in total globozoospermia](#) . *International Journal of Reproductive Biomedicine* .2016;13(8):495.
17. Talebi AR, **Fesahat Farzaneh**, Mangoli E, Ghasemzadeh J, Nayeri M, Sadeghian-Nodoshan F. [Relationship between sperm protamine deficiency and apoptosis in couples with unexplained repeated spontaneous abortions](#). *International Journal of Reproductive Biomedicine*. 2016, 3; 14(3):199-204.
18. **Farzaneh Fesahat**, Azita Faramarzi, Arezoo khoradmehr, Marjan Omid, Fatemeh Anbari, Mohammad Ali Khalili. [Vitrification of mouse MII oocytes: Developmental competency using paclitaxel](#). *Taiwanese Journal of Obstetrics and Gynecology*.55(6), 2016;796– 800.
19. Zare-Zardini H, **Fesahat Farzaneh**, Halvaei I, Nabi A, Zare-Shehneh M, Shamsi F, Ebrahimi L. [Evaluating the spermicidal activity of an antimicrobial peptide from the \*Bufo kavirensis\*, MaximinBk: in vitro study](#). *Turkish Journal of Biochemistry*. 2017, 27; 42(3):299-305. **Corresponding Author: Farzaneh Fesahat**

20. Talebi AR, Ghasemzadeh J, Khalili MA, Halvaei I, **Fesahat F**. Sperm chromatin quality and DNA integrity in partial versus total globozoospermia. *Andrologia*.2017, 18. **Corresponding Author: Farzaneh Fesahat**
21. Fatemeh Dehghanpour, Nasim Tabibnejad, **Farzaneh Fesahat**, Ali Reza Talebi. Evaluation of sperm protamine deficiency and apoptosis in infertile men with idiopathic teratozoospermia. *Clin Exp Reprod Med*. 2017 Jun; 44(2):73-78.
22. Nabi A, Khalili MA, **Fesahat Farzaneh**, Talebi A, Ghasemi-Esmailabad S. Pentoxifylline increase sperm motility in devitrified spermatozoa from the asthenozoospermic patient without damage chromatin and DNA integrity. *Cryobiology*. 2017; 76:59-64.
23. **Farzaneh Fesahat**, Faramarzi A, Sheikhha MH, Firouzabadi RD, Khalili MA. Comparing the effects of different in vitro maturation media on IVM outcomes of MI oocytes. *Middle East Fertility Society Journal*. 2017;22 (3):174-177.
24. **Farzaneh Fesahat**, Montazeri F, Sheikhha MH, Dehghani Firouzabadi R, Kalantar SM. The frequency of chromosomal aneuploidy in high-quality embryos from young couples using preimplantation genetic screening. *Int J Reprod BioMed* 2017; 15(5):297-304.
25. **Farzaneh Fesahat**, Razieh Dehghani Firouzabadi, Azita Faramarzi, Mohammad Ali Khalili. The effects of different types of media on in vitro maturation outcomes of human germinal vesicle oocytes retrieved in intracytoplasmic sperm injection cycles, *Clin Exp Reprod Med*. 2017;44(2):1-6
26. **Farzaneh Fesahat**, Seyed Mehdi Kalantar, Mohammad Hasan Sheikhha, Hojjatollah Saeedi 3, Fatemeh Montazeri, Razieh Dehghani Firouzabadi, Mohammad Ali Khalili. Developmental and cytogenetic assessments of preimplantation embryos derived from in-vivo or in-vitro matured human oocytes. *European Journal of Medical Genetics* 61 (2018) 235–241
27. **Farzaneh Fesahat**, Mohammad Ali Khalili, Seyed Mehdi Kalantar, Razieh Dehghani Firouzabadi, Nasim Tabibnejad, Mohammad Hasan Sheikhha. Developmental competence and apoptotic gene expression patterns of mature and immature human oocytes retrieved from controlled ovarian stimulation cycles. *Reprod Biol* 2017; 18 (2018) 27–32.
28. Mohammadzadeh M, **Farzaneh Fesahat**, Khoradmehr A, Khalili MA. Influential effect of age on oocyte morphometry, fertilization rate and embryo development in mice. *Middle East Fertility Society Journal*. 2018, 23 (2), 117-120

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30. Majid Naghibzadeh; Saman Firoozi; Fatemeh Sadeghi nodoushan; Mohsen Adabi; Arezoo Khoradmehr; **Farzaneh Fesahat**; Seyedeh Sara Esnaashari; Masood Khosravani; Mahdi Adabi; Shima Tavakol; Hamidreza Pazoki-Toroudi; Moein Adel; Masoumeh Zahmatkeshan. [Application of electrospun gelatin nanofibers in tissue engineering.](#) *BIOINTERFACE RESEARCH APPLIED CHEMISTRY* 2018. 8; 3048-3052
31. Tabibnejad N, Sheikhha MH, Ghasemi N, **Fesahat F**, Soleimani M, Aflatoonian A. [Association between early embryo morphokinetics plus cumulus cell gene expression and assisted reproduction outcomes in polycystic ovary syndrome women.](#) *Reproductive BioMedicine Online.* 2019 38(2) 139-151.
32. Mirabutalebi SH, Karami N, Montazeri F, **Fesahat F**, Sheikhha MH, Hajimaqsoodi E, Zarchi MK, Kalantar SM. [The relationship between the expression levels of miR-135a and HOXA10 gene in the eutopic and ectopic endometrium.](#) *International Journal of Reproductive Biomedicine.* 2018 Aug 1;16(8).
33. Dehghanpour F, **Fesahat F**, Miresmaeili SM, Mehrjardi EZ, Honarju A, Talebi AR. [Analysis of PRM1 and PRM2 polymorphisms in Iranian infertile men with idiopathic teratozoospermia.](#) *International Journal of Fertility & Sterility.* 2019;13(1):77.
34. Leila Motamedzadeh, Hossein Hadinedoushan, Ehsan Farashahi Yazd, **Farzaneh Fesahat**, Mohammadi Mohammad Mahdi. [Association of IL-17 and IL-23 follicular fluid concentrations as well as gene expression profile in cumulus cells of infertile patients at risk for ovarian hyperstimulation syndrome.](#) *Hum Fertil (Camb).* 2019, 4:1-7.
35. Taheri Fatemeh, Mohammad Ali Khalili, Seyed Mehdi Kalantar, **Farzaneh Fesahat**, Fatemeh Montazeri, Maria Grazia Palmerini, Bryan Woodward. [Generation of viable blastocysts from discarded human cleavage embryos.](#) *MEFS.* 2020 25:18, 1-9.
35. Fatemeh Dehghanpour†, **Farzaneh Fesahat**†, Fatemeh Yazdinejad, Ali Reza Talebi. [Is there any relationship between human sperms with different characteristics and protamine deficiency?](#) *Rev Int Androl.* 2019 Jul 18
36. Fatemeh Zare, Seyed Mohammad Seifati, Mehdi Dehghan Manshadi, **Farzaneh Fesahat** [Preimplantation Factor \(PIF\): a peptide with various functions.](#) **Corresponding Author: Farzaneh Fesahat**, *JBRA Assisted Reproduction* 2020; 24(2):214-218

37. Hamidian Saeideh, Talebi Ali Reza, **Fesahat Farzaneh**, Bayat Mohammad, Mirjalili, Seyyed Ali Mohammad, Hamin Reza Ashrafzadeh , Rajabi Mahya , Montazeri Fatemeh , Babaei Saeid. [The effect of vitamin C on the gene expression profile of sperm \*protamines\* in male partners of couples with recurrent pregnancy loss; a Randomized Clinical Trial.](#) *Clin Exp Reprod Med.* 2020;47(1):68-76
38. **Fesahat F**, Henkel R, Agarwal A. [Globozoospermia syndrome: An update.](#) *Andrologia.* 2019 Nov 14:e13459.
39. Musavi H, Mohamadi Tahroodi F, **Fesahat F**, Bouzari Z, Esmailzadeh S, Elmi F, Yazdani S, Moazezi Z. [Investigating the Relationship between Magnesium levels and Diabetes Mellitus in Pregnant Women.](#) *International Journal of Molecular and Cellular Medicine (IJMCM).* 2019, 10; 8(3).
40. Amir Abdian Asl, Fereshteh Vaziri Nezamdoost, **Farzaneh Feashat**, Hossein Ansariniya, Gholamreza Fotoohiardakani, Akram Astani, Seyyedalireza mirjalili, Abolghasem Asadi-Saghandi. [Association between rs1049174 \*NKG2D\* gene polymorphism and unexplained recurrent spontaneous abortion in Iranian women.](#) *Journal of Obstetrics and Gynaecology.* 2020 . 14:1-5
41. **Farzaneh Fesahat** , Fatemeh Montazeri , Seyed Mehdi Hoseini. [Preimplantation Genetic Testing in Assisted Reproduction Technology .](#) *Journal of Gynecology Obstetrics and Human Reproduction 2020. Journal of Gynecology Obstetrics and Human Reproduction* 49 (2020) 101723
42. Yasamin Razi , Maryam Eftekhari , **Farzaneh Fesahat** , Raziheh Dehghani Firouzabadi , Nastaran Razi , Mojdeh Sabour , Mohammad Hossein Razi. [Concentration of homocysteine in follicular fluid and embryo quality and oocyte maturity in infertile women:A prospective cohort.](#) *Journal of Obstetrics and Gynaecology.* 2020. Published online. <https://doi.org/10.1080/01443615.2020.1785409>
43. M. Imani, A.R. Talebi , **F. Fesahat**, T. Rahiminia, S.M. Seifati , F. Dehghanpour. [Sperm Parameters, DNA Integrity, and Protamines Expression, in Patients with Diabetes Mellitus.](#) *Journal of Obstetrics and Gynaecology* 2020; Published online. <https://doi.org/10.1080/01443615.2020.1744114>



44. Samira Asadollahi, Mahta Naeini Mazaheri, Mojgan Karimi-Zarchi, **Fesahat, Farzaneh** The Relationship of FOXR2 Gene Expression Profile with Epithelial-Mesenchymal Transition Related Markers in Epithelial Ovarian Cancer. *Klin Onkol.* 2020;33(3):201-207.
45. Abbas Mokarramat-Yazdi, Hossein Soltaninejad, Hadi Zare-Zardini\*, Fatemeh Shishehbor, Ashraf Alemi, **Farzaneh Fesahat**, Fatemeh Sadeghian. Investigating the anticancer effect of a new drug originating from plant and animal: In vitro and in vivo study. *Journal of Advanced Pharmacy Education & Research.* 2020;10 (S2):72-78.
46. Hadi Zare-Zardini, Ahmad Amiri, Mehdi Shanbedi, **Farzaneh Fesahat**, Fatemeh Sadeghi Nodoushan, Mojgan Karimi Zarchi, Fatemeh Daneshmand. The Effect of Temperature and Acidity on Antimicrobial Activities of Pristine MWCNTs and MWCNTs-Arg. *Int. J. Nanosci. Nanotechnol., 12;2, 2020,127-136.*
47. Zare F, Amiri MM, Hadinedoushan H, Dehghan-Manshadi M, Mansouri F, **Fesahat F**, Saboor-Yaraghi AA. Contraceptive and molecular function of a novel recombinant vaccine based human leukemia inhibitory factor on Balb/c mice: An experimental in vivo study. *Journal of Reproductive Immunology.* 2020 31:103195.
48. Mahdi Dehghan-Manshadi, Amin Reza Nikpoor, Hossein Hadinedoushan, Fateme Zare, Mojtaba Sankian, **Farzaneh Fesahat**, Mohammad Taher Tahoori, Mahmoud Reza Jaafari, Houshang Rafatpanah. Preventive Cancer Vaccination by P5 HER-2/neo Derived Peptide-pulsed Peripheral Blood Mononuclear Cells in Mouse Model of Breast Cancer. *Biochem Cell Biol.* 2021 . doi: 10.1139/bcb-2020-0559.
49. Mahdi Dehghan-Manshadi, Amin Reza Nikpoor, Hossein Hadinedoushan, Fateme Zare, Mojtaba Sankian, **Farzaneh Fesahat**, Houshang Rafatpanah. Protective immune response against P32 oncogenic peptide-pulsed PBMCs in mice model of breast cancer. *Biochem Cell Biol. International Immunopharmacology* 2021. 1;93:107414.
50. Fatemeh Dehghani Tafti , Fateme Zare , Seyed Mohsen Miresmaeili , **Farzaneh Fesahat (co-responding author)**. Evaluating the Vitamin D concentration and foxp3 mRNA levels in women with recurrent spontaneous abortion. *JBRA Assisted Reproduction.* doi: 10.5935/1518-0557.20210062. Online ahead of print.
51. Hadi Zare-Zardini , Shaghayegh Vojdani Nejad Yazdi , Armita zandian , Fateme Zare , Seyed Mohsen Miresmaeili , Mahdi Dehghan-Manshadi , **Farzaneh Fesahat**. Synthesis, Characterization, and Biological Evaluation of Doxorubicin-Containing Silk Fibroin Micro and Nanoparticles. *Journal of the Indian Chemical Society,* 98 (2021) 100161

52. Shervin Dokht Farhangfar, **Farzaneh Fesahat** , Sayyed Mohsen Miresmaeili , Hadi Zare-Zardini. [Evaluating the blood toxicity of functionalized graphene-arginine with anticancer drug ginsenoside Rh2 in balb/c mouse model with breast cancer.](#) *Iranian Journal of Pediatric Hematology & Oncology*. 2022, Vol 12, No 1, 10-16
53. Shervin Dokht Farhangfar ‡, **Farzaneh Fesahat ‡** (Co-first author), Mahdi Dehghan-Manshadi <sup>2</sup>, Fateme Zare <sup>2</sup>, Sayyed Mohsen Miresmaeili <sup>1</sup>, Hadi Zare-Zardini.. [In vivo study of anticancer activity of ginsenoside Rh2-containing arginine-reduced graphene in cancerous mouse model.](#) *Iranian Journal of Basic Medical Sciences*. Iran J Basic Med Sci 2022; 25: 1442-1451.
54. Maliheh Afsari , **Farzaneh Fesahat (Corresponding author)**, Ali Reza Talebi, Fatemeh Zare, Masoud Makki ,Morteza Anvari , Abolghsem Abbasi Sarcheshmeh, Amirhossein Talebi [ANXA2, SP17, SERPINA5, PRDX2 genes, and sperm DNA fragmentation differentially represented in male partners of infertile couples with normal and abnormal sperm parameters.](#) *Andrologia*. DOI: 10.1111/and.14556
55. **Farzaneh Fesahat**, Efat Norouzi, Seyed Mohammad Seifati , Saeideh Hamidian , Akram Hosseini , Fateme Zare. [Impact of vitamin C on gene expression profile of inflammatory and anti-Inflammatory cytokines in the male partners of couples with recurrent pregnancy loss.](#) *International Journal of Inflammation*. Volume 2022, Article ID 1222533, 6 pages
56. Maliheh Afsari , Ali Reza Talebi , Fatemeh Dehghani Tafti, Masoud Makki, **Farzaneh Fesahat (Corresponding author)**. [Differential apoptotic expression in male partner of infertile couples with normal and abnormal sperm parameters.](#) *JBRA Assisted Reproduction* 2022; 26(4):606-611
57. Seyed Mohammad Seifati, Erfan Zaker, **Farzaneh Fesahat**, Fateme Zare, Seyedhossein Hekmatimoghaddam. [Modulatory effect of probiotics on pro-inflammatory cytokine levels in acrylamide-treated rats.](#) *Biochemistry Research International* .2021
58. Fateme Zare , Aboolfazl Yavari , **Farzaneh Fesahat, (Corresponding author)**. Mahdi Dehghan-Manshadi. [Antitumor impact of amygdalin on immune response and apoptotic genes expression in BALB/c mice with breast cancer.](#) *Indian Journal of Experimental Biology* Vol. 60, December 2022, pp. 887-893
59. Shaghayegh Vojdani Nejad Yazdi , Hadi Zare-Zardini , Seyed Mohsen Miresmaeili , **Farzaneh Fesahat (Corresponding author)**. [Evaluating the toxicity of doxorubicin-silk fibroin nanoparticles and its effect on P53 gene expression in breast cancer cell line.](#) *Iranian Journal of Breast Diseases*. 2022; 15(1):71-86.
60. Armita zandian, **Farzaneh Fesahat**, Seyed Mohsen Miresmaeili , Hadi Zare-Zardini . [In vitro Evaluation of apoptosis and reactive oxygen species in treated cancerous and normal](#)

cells with doxorubicin-loaded silk fibroin nanoparticles *Journal of Knowledge & Healthin Basic Medical Sciences* 2022; Vol 17, No 2

61. Leila Azod, Seyed Mohsen Miresmaeili, **Farzaneh Fesahat (Corresponding author)**. Evaluating the serum levels of inflammatory cytokines in women with different causes of infertility during controlled ovarian stimulation, *Journal of Shahid Sadoughi University of Medical Sciences*, 29(12) Mar 2022

62. **Faezaneh Fesahat**, Nasrin Alipour, Maryam Imani, Mohammadhasan Razi, Yasamin Razi, Ameneh Javid, Fatemeh Zare. Concentration of Cytokines in follicular fluid and their relationship with oocyte maturity, embryo quality and pregnancy outcomes during ovarian stimulation cycles. *Iranian Journal of Obstetrics, Gynecology and Infertility* 2022

63. Maryam Zare Moghaddam, Hossein Ansariniya, , Seyed Mohammad Seifati , Fateme Zare. **Farzaneh Fesahat (Corresponding author)** Immunopathogenesis of endometriosis; an overview of the role of innate and adaptive immune cells and their mediators' *American journal of reproductive immunology* 2022

64. Amir Masoud Firouzabadi; Maryam Imani; Fatemeh Zakizadeh; Nadia Ghaderi; Fatemeh Zare; Majid Pouranvari Pouretezari; Maryam Yadegari. **Farzaneh Fesahat (Corresponding author)**. Effects of Acrylamide and Ascorbic Acid on Expression of Genes Associated With Ovarian Follicle Development and Serum Levels of Oxidative Stress Markers. *Toxicology Reports*. 9 (2022) 1580–1585

65. Samaneh Harimi, Fatemeh Zare, **Farzaneh Fesahat (Corresponding author)**, Mahdieh Mondanizadeh. Optimizing a Calorimetric Method for Quantitative Assessment of Alkaline Phosphatase to characterize the Osteogenic Differentiation of Mesenchymal Stem Cell *Scientific Journal of Kurdistan University of Medical Sciences*, No.123/ Jan-Mar 2023/25-36

66. Mino Vahedi-Raad, **Farzaneh Fesahat (Corresponding author)**, Talebi AR, Hosseini-Sharifabad M, Horoki AZ, Afsari M, Sarcheshmeh AA. Altered methyltransferase gene expression, mitochondrial copy number and 4977-bp common deletion in subfertile men with variable sperm parameters. *Andrologia*.:e14531.

67. Miresmaeili SM, **Fesahat F(Co-first Author)**, Kazemi N, Ansariniya H, Zare F. Possible Role of Leukemia Inhibitory Factor and inflammatory cytokines in Recurrent Spontaneous Abortion. *International Journal of Fertility and Sterility*. 2022 -17

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69. Seyed Mohammad Seifati, Hossein Ansariniya, Fateme Rahmani, Ali Akbar Saboor-Yaraghi, **Farzaneh Fesahat**, Hossein Hadinedoushan, Fateme Zare. [Serum anti-leukemia inhibitory factor antibody is not associated with the recurrent pregnancy loss](#). *Asian Pacific Journal of Reproduction*, 2023; 12(1): 49-50

70. Zahra Farshad, Abbas Shahedi, **Farzaneh Fesahat (Corresponding author)**, Azam Hassanpour, Morteza Anvari. [Effect of formaldehyde and curcumin on histomorphological indices, genes expression associated with ovarian follicular development, and total antioxidant to oxidant levels in Wistar rat](#). *International Journal of Biomaterials*. Volume 2023, Article ID 4662440, 10 pages

71. Maryam Tofighi Niaki, Mohammad Hasan Sheikhha, Mohammad Ali Khalili, **Farzaneh Fesahat**, Ali Nabi, Mahin Izadi, Saeed Ghasemi Esmailabad, Ali Reza Talebi. [Possible Harmful effects of smoking hookah on sperm DNA Fragmentation Index and Protamine genes expression in normozoospermic men](#). *Substance Abuse: Research and Treatment journal*. 2023; 17: 1–8

72. **Farzaneh Fesahat**, Amir Masoud Firouzabadi, Hadi Zare-Zardini. [Roles of different  \$\beta\$ -defensins in the human reproductive system: A review study](#). *American Journal of Men's Health*. 2023.1-14

73. Maryam Imani, Mino Vahedi Raad, Maliheh Afsari, **Farzaneh Fesahat (Corresponding author)**. [Total antioxidant capacity, total oxidant status, and chromatin quality in subfertile men with variable sperm parameters](#). *African Journal of Urology*. (2023) 29:44

74. Samaneh Harimi, Behzad Khansarinejad, Mahdieh Mondanizadeh, **Farzaneh Fesahat (Corresponding author)**. [Indian Hedgehog expression is regulated by miR-195-5p and miR-15b-5p in path of osteoblastogenesis from human adipose stem cells](#). *Applied Biochemistry and Biotechnology*. proof; 2023

75. Fatemeh Shamsadini, Hadi Zare-Zardini, Hossein Eslami, Mojtaba Ansari, **Farzaneh Fesahat**, Esmat Mangoli. [Sambucus nigra: Black Fruits That Makes Sperms Come out Ahead in in vitro Fertilization](#). *Acta Bioclinica*. Volumen 14, N° 27 Enero/Junio 2024

76. Amir Masoud Firouzabadi, Mohammad Ebrahim Rezvani, Fatemeh Zare, Hossein Azizian, **Farzaneh Fesahat (Corresponding author)**. [Possible impact of Human  \$\beta\$ -defensin 1 on sperm motility in subfertile men with abnormal sperm parameters](#). *American journal of reproductive immunology*. Under review

77. منیره السادات میرجایی ، فاطمه زارع ، آمنه جاوید ، **فرزانه فصاحت (نویسنده مسؤل)** . [غلظت سایتوکاینهای التهاب زا در سرم و مایع فولیکولی مبتلایان اندومترپیوز و زنان با سن بالا](#). *دانش و تندرستی در علوم پایه پزشکی*. Under review

## **Book**

G Ahangari, MT, H.Naderi Manesh, **Farzaneh Fesahat**. Aptamer or DNA /RNA Antibodies (therapeutic and diagnostic application). Publisher; *kholus* ([info@kholus.com](mailto:info@kholus.com)).

## **Paper Presented in Conferences**

1. Hassan Hassani Kumleh , **Farzaneh Fesahat**, Massoud Houshmand, Mehdi Shafa Shariat Panahi . ‘Investigation of polymorphisms and common deletion in the coding region of human Mitochondrial DNA in 20 Persian patients with Alzheimer’s disease (AD). *European Conference of Human Genetics*, May 6-9, 2006 (**Poster Presentation**).

2. **Farzaneh Fesahat**, Massoud Houshmand, Mehdi Shafa Shariat Panahi. ‘Analysis of mitochondrial haplogroups in Persian patients with Alzheimer's disease. *European Conference of Human Genetics*, May 6-9, 2006 (**Poster Presentation**).

3. Kurosh Gharagozli, **Farzaneh Fesahat**, Massoud Houshmand, Mehdi Shafa Shariat Panahi. Investigation of polymorphisms in the coding region of Human Mitochondrial DNA in 20 Persian patients with Parkinson’s disease. *European Conference of Human Genetics*, May 6-9, 2006 (**Poster Presentation**).

4. Aflatoonian, Behrouz, Soleimani, Mehrdad, **Farzaneh Fesahat**, Sadeghian, Fatemeh, Fazli, Hussein, Aflatoonian, Reza, Aflatoonian, abbas. Derivation of spermatogonial stem cells from TESE and PESA samples. *International Society for Stem Cell Research (ISSCR) 2008* (**Poster Presentation**).

5. B Aflatoonian, M Soleimani, **Farzaneh Fesahat**, F Sadeghian, R Aflatoonian, A Aflatoonian. Potential of TESE and PESA samples for the derivation of human germline stem cells. *The Society for Reproduction and Fertility*. June 2008 (**Poster Presentation**).

6. Navab A, **Farzaneh Fesahat**, Sadeghian F, Soleimani M. Isolation and Characterization of Postnatal Stem Cells from Dental pulp and periapical follicle. *Royan congress*, 2008 (**Poster Presentation**).

7. Aflatoonian, Behrouz, Sadeghian, Fatemeh, **Farzaneh Fesahat**, Soleimani-Salehabadi, Mohammad, Aflatoonian, Nastaran. Embryonic stem cell-like cells from human foreskin fibroblast. *The Society for Reproduction and Fertility*. June 2011 (**Poster Presentation**).

8. Miresmaeili SM, Halvaei I, **Farzaneh Fesahat** (**Corresponding author**), Fallah A, Niconahad N, Taherinejad M. Evaluating the role of silver nanoparticles on acrosomal reaction and spermatogenic cells in rat .5<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21april 2013, Yazd, Iran. (**Poster Presentation**) .

9. **Farzaneh Fesahat**, sheikha MH, Ebrahimi B, Halvaei I, Ashourzadeh S, Rasti A, Rastegar M. Mitochondria common deletion in cumulus cells in vitro fertilization-embryo transfer cycle .20<sup>th</sup> national congress of reproductive medicine.11-13 June 2014 (**Poster Presentation**).

10. **Farzaneh Fesahat**, Zare-Zardini H, Anbari F, Ebrahimi L. Evaluating the spermicidal activity of a new antimicrobial peptide from the Insect Paederus dermatitis, Sarcotoxin Pd..20<sup>th</sup> national congress of reproductive medicine .11-13 June 2014 (**Poster Presentation**)

11. Nabi A.; Khalili M. A, Torki AR, **Farzaneh Fesahat**., Anbari F. Assessment of aerobic bacterial and fungal contaminations in liquid nitrogen tanks. 5<sup>th</sup> Yazd international congress and student award in reproductive medicine (**Poster Presentation**)

12. Moein MR, Ghasemi-EsmailabadS, Ghasemzadeh J, **Farzaneh Fesahat**, Tabibnejad N. Pregnancy outcome of intracytoplasmic injection with epididymal and testicular sperm retrieval in azoospermic patients. 5<sup>th</sup> Yazd international congress and student award in reproductive medicine (**Poster Presentation**)

13. **Farzaneh Fesahat**., Khalili M. A, Khoradmehr A., Anbari F, Bazrgar M., Taheri F. The effect of microtubule stabilizer pretreatment in IVM program 5<sup>th</sup> Yazd international congress and student award in reproductive medicine (**Poster Presentation**)

14. Aflatoonian B, Sadeghian-Nodoushan F, **Farzaneh Fesahat**, Soleimani, Khalili MA, Heidarian Meimandi H, Farashahi Yazd E, Nikukar H, Aflatoonian A. An introduction to Stem Cell Biology Research Center in Yazd. 7<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine (**Oral Presentation**)

15. **Farzaneh Fesahat**, Faramarzi A, Khoradmehr A, Omidi M, Anbari F, Khalili MA. Vitriification of mouse MII oocytes: Developmental competency using Paclitaxel. 7<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine (**Oral Presentation**).

17. Montazeri F, Foroughmand AM, Kalantar SM, Aflatoonian A, Khalili MA, **Farzaneh Fesahat**, Soleimani M, Taheri F. Improving fluorescence in-situ hybridization (FISH)-based preimplantation genetic diagnosis/ screening (PGD/PGS). 7<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine (**Oral Presentation**).



18. Dehghanpour F, **Farzaneh Fesahat**, Miresmaeili SM, Zareh Mehrjardi E, Talebi AR. Protamine sequence variants in Iranian infertile men with idiopathic teratozoospermia. *7th Yazd International Congress and Student Award in Reproductive Medicine (Poster Presentation)*.
19. Hosseini A, Khalili MA, Talebi AR, Sheikhha MH, Ghasemi-Esmailabad S, **Farzaneh Fesahat** Vitrification of a low number of human spermatozoa with close system preserves cellular and molecular integrity better than an open system. *7th Yazd International Congress and Student Award in Reproductive Medicine (Poster Presentation)*.
20. Dehghanpour F, Tabibnejad N, **Farzaneh Fesahat**, Yazdinejad F, Talebi AR. Evaluation of sperm protamine deficiency and apoptosis in infertile men with morphologically abnormal sperm head . *7th Yazd International Congress and Student Award in Reproductive Medicine (Poster Presentation)*.
21. Taheri F, Khalili MA, Aflatoonian A, Kalantar SM, Agha-Rahimi A, Soleimani M, Montazeri F, **Farzaneh Fesahat**. The majority of poor quality embryos that reach to blastocyst have normal chromosomal integrity. *7th Yazd International Congress and Student Award in Reproductive Medicine (Poster Presentation)*.
22. **Farzaneh Fesahat**, Azita Faramarzi, Razieh Dehghani Firouzabadi, Halvaei I, Mohammad Ali Khalili. Comparison of different in vitro maturation media for immature oocytes obtained from stimulated ICSI cycles. *2th International Congress on Reproduction (Oral Presentation)*.
23. Hadi Zare-Zardini, **Farzaneh Fesahat** (Corresponding author), Fatemeh Anbari. Sarcotoxin Pd, a new antimicrobial and spermicidal peptide from the insect paederus dermatitis. *5<sup>th</sup> Yazd international congress and student award in reproductive medicine (Oral Presentation)*.
24. Montazeri F, Ali Foroughmand M, kalantar SM, Aflatoonian A, Khalilli MA, **Fesahat F**, Hoseini SM, Taheri F. Comparing Developmental Competence of mature and immature oocyte in PCOs patients and mRNA levels of AMHR gene as biomarker. *3<sup>rd</sup> International & 15th Iranian Genetics Congress. May 13-15 2018*
25. Shervin Dokht Farhangfar , **Farzaneh Fesahat** , Sayyed Mohsen Miresmaeili , Hadi Zare-Zardini. Biological effects of ginsenoside Rh2-containing arginine- graphene in balb/c mouse model with breast cancer. *8th International E-Congress on Nanoscience and Nanotechnology. (Poster Presentation).Feb 2021*
26. Shaghayegh Vojdani Nejad Yazdi, Hadi Zare-Zardini , Sayyed Mohsen Miresmaeili, **Farzaneh Fesahat** (Corresponding author). *Evaluation of toxicity of doxorubicin-silk*

fibroin nanoparticles and its effect on P53 gene expression in breast cancer cell line . *8th International E-Congress on Nanoscience and Nanotechnology. (Poster Presentation).Feb 2021*

27. Armita zandian , **Farzaneh Fesahat** , Sayyed Mohsen Miresmaeili , Hadi Zare-Zardini. *In-vitro evaluation of apoptosis and reactive oxygen species production rates in treated breast cancer and HFF cell lines with doxorubicin-silk fibroin nanoparticles. 8th International E-Congress on Nanoscience and Nanotechnology. (Poster Presentation).Feb 2021.*

28. Maliheh Afsari, Alireza Talebi, **Farzaneh Fesahat**. *Impact of Abnormal Sperm Parameters on mRNA Level of AnnexinA2, Sp17, SerpinA5, Prdx2, Oxidative Stress, and Sperm DNA Fragmentation. The 9th Yazd International Congress and Student Award on Reproductive Medicine. (Oral Presentation) 13-15 May 2021.*

29. Asadollahi S, Mazaheri Naeini M, Karimi Zarchi M and **Fesahat F**. *The relationship between FOXR2 gene expression profile and epithelial ovarian cancer 9th Yazd International Congress & Student Award in Reproductive Medicine with 4th Reproductive Genetics Congress. (Poster Presentation) 20-21May 2021.*

30. Hojati S, Miresmaeili SM, Montazeri F, Amiri S, Hoseini SM, Kalantar SM, **Fesahat F**. *Y chromosome microdeletion in azoospermia fctor region in globozoospermic man . The 9th Yazd International Congress & Student Award in Reproductive Medicine with 4th Reproductive Genetics Congress. (Oral Presentation) 20-21May 2021.*

31. Zare F, Amiri M, Hadinedoushan H, Dehghan-Manshadi M, Mansouri F, **Fesahat F**, Mirzaei F, Saboor Yaraghi A. *Production of recombinant human leukemia inhibitory factor protein and its immunologic and anti-fertility impacts as a contraceptive candidate vaccine in mice model. The 9th Yazd International Congress and Student Award on Reproductive Medicine. (Oral Presentation) 13-15 May 2021.*

32. Afsari M, Talebi AR, Dehghani Tafti F, Makki M, **Fesahat F (Corresponding author)**. *Differential Apoptotic xpression in Male Partner of Infertile Couples With Normal and Abnormal Sperm Parameters. 221<sup>st</sup> Virtual Congress on Reproductive Biomedicine .1-3 September 2021,Tehran, Iran. (Poster Presentation)*

33. Dehghani Tafti F, Zare F, Miresmaeili SM, **Fesahat F (Corresponding author)**. *Evaluating the Vitamin D Concentration and Foxp3 mRNA Levels in Women with Recurrent Spontaneous Abortion. 221<sup>st</sup> Virtual Congress on Reproductive Biomedicine .1-3 September 2021,Tehran, Iran. (Poster Presentation)*

34. **Fesahat F**, Norouzi E, Seifati SM, Hamidian S, Hosseini A, Zare F. *Impact of Vitamin C on Gene Expression Profile of Inflammatory and Anti- Inflammatory Cytokines in The Male Partners of Couples With Recurrent Pregnancy Loss. 221<sup>st</sup> Virtual Congress on Reproductive Biomedicine .1-3 September 2021, Tehran, Iran. (Poster Presentation)*

35. Kazemi N, Zare F, Miresmaeili SM, **Fesahat F**. *Evaluating the Relationship between TNF- $\alpha$  and IL-17 Serum Levels and Gene Expression Ofleukemia Inhibitory Factor in Women with Recurrent Spontaneous Abortion. 221<sup>st</sup> Virtual Congress on Reproductive Biomedicine .1-3 September 2021, Tehran, Iran. (Poster Presentation)*



36. Fateme Zare ,Abolfazl Yavari ,**Farzaneh Fesahat** ,Fateme Dashti ,Mehdi Dehghan-Manshadi . [Antitumor impact of amygdalin on immune response and apoptotic genes expression in BALB/c mice with breast cancer](#). *5th Cancer Congress November 2021, Shahid Beheshti University of Medical Sciences, Tehran, Iran. (Poster Presentation)*.
37. Maryam Zare Moghaddam, Hossein Ansariniya, Seyed Mohammad Seifati, Fateme Zare, **Farzaneh Fesahat** . [Immunopathogenesis of endometriosis; an overview of the role of innate and adaptive immune cells and their mediators](#). *Sixth International Conference on New Findings in Midwifery, women, maternity and Infertility*. March 10, 2022 in Tbilisi-Georgia (Oral Presentation)
38. Tofighi Niaki M, Sheikhha MH, Khalili MA, Fesahat F, Nabi A, Izadi M, Ghasemi Esmailabad S, Talebi AR. [Possible harmful effects of smoking hookah on sperm DNA fragmentation index and protamine genes expression in normozoospermic men](#). *10th Yazd International Congress and Student Award on Reproductive Medicine with 5th Congress of Reproductive Genetics*. 19-21 May 2023
39. Firouzabadi AM, Imani M, Zakizadeh F, Ghaderi N,Zare F, Yadegari M, Pourentezari M, Fesahat F. [Evaluating the effect of acrylamide and ascorbic acid on oxidative stress and apoptosis in ovarian tissue of Wistar rat](#). *10th Yazd International Congress and Student Award on Reproductive Medicine with 5th Congress of Reproductive Genetics*. 19-21 May 2023
40. Firouzabadi AM, Rezvani ME, Zare F, Azizian H, Fesahat F. [Expression of Human  \$\beta\$ -defensin 1 in male partners of infertile couples with different types of sperm abnormalities](#). *10th Yazd International Congress and Student Award on Reproductive Medicine with 5th Congress of Reproductive Genetics*. 19-21 May 2023

### **Research Projects Association with:**

1. Isolation and characterization of mesenchymal stem cells from dental tissues.

**Main Professional assistant: Farzaneh Fesahat**

2. Evaluation of merwinite nanostructured bioceramic in vitro and in vivo

**Main Professional assistant: Farzaneh Fesahat**

3. Mesenchymal stem Cells Therapy in rats with experimental subarachnoid hemorrhage

**Main Professional assistant: Farzaneh Fesahat**

4. Administration of mesenchymal stem cells for treatment of traumatic brain injury in the rat.

**Main Professional assistant : farzaneh fesahat**

5. Investigation of mitochondrial Common deletion & telomere length in adult stem cells during multiple passages.

**Principle investigator: sheikhha M, Fesahat F.**

6. Cell transplantation in low hear mice

**Principle investigators:** Kalantar S.M, Dadgar, Sadeghian F, **Fesahat F.**

7. survey the antifungal effect of ferula assa foetida total extracts of aerial parts against *Candida albicans* and compare with fluconazole in vitro.

**First assistant: Farzaneh Fesahat**

8. Survey antifungal effectiveness of *Zataria multiflora*, *origanum major*, *Cinnamomum zeylanicum* Nees and *Carum copticum* extracts in pistachios used for Yazd traditional sweets.

**First assistant: Farzaneh Fesahat**

9. Cytotoxic effects of functionalized nano graphene with adriamycin on C430, C106, T47d cell line

**Principle investigators:** Hadi Zare-Zardini, **Farzaneh Fesahat**

10. Synthesis of polymeric biocompatible nanofibers as a drug carrier forming transdermal patches

**Main Professional assistant: Farzaneh Fesahat**

11. The evaluation of apoptosis rate of spermatozoa in couples with idiopathic recurrent abortion

**Main Professional assistant: Farzaneh Fesahat**

12. Evaluating the spermicidal activity of a new antimicrobial peptide from the *Bufo Afarensis*, MaximinBk

**Principle investigators:** Hadi Zare, **Farzaneh Fesahat**

13. Evaluating the spermicidal activity of a new antimicrobial peptide from the insect *paederus dermatitis*, Sarcotoxin Pd

**Principle investigators:** Hadi Zare-Zardini, **Farzaneh Fesahat**

14. A review of the different functions of a peptide called the preimplantation factor

**Principle investigators: Farzaneh Fesahat**

15. Preimplantation Genetic Testing in Assisted Reproduction Technology

**Principle investigators: Farzaneh Fesahat**

16. Globozoospermia Syndrome: a review study

**Principle investigators: Farzaneh Fesahat**

17. Evaluation the effect of Amygdalin on expression of caspase 3 and P53 protein in mouse model of breast

**Principle investigators:** Fateme Zare, Abolfazl Yavari, Mahdi Dehghan-manshdi, **Farzaneh Fesahat**

**18.** Evaluation of serum leukemia inhibitory factor and autoantibody level in women with history of spontaneous recurrent miscarriage

**Principle investigators:** Fateme Zare, Mohammad Seifati, Hossein Hadi-Nedushan, Mahdi Dehghan-manshdi, **Farzaneh Fesahat**

**19.** Comparing the expression of APOA2 and HSPA2 proteins in seminal plasma based on the quality of sperm parameters in non-obstructive infertile men and its relationship with oxidative stress and sperm chromatin structure

**Principle investigators:** **Farzaneh Fesahat**

**20.** Designing and manufacturing the Nanomaterials modified electrochemical biosensors for quantitative evaluation of apoptotic sperm cells

**Principle investigators:** **Farzaneh Fesahat**

### **Executive position**

Executive Director of Reproductive Immunology Research Center (2020-present)

Member of the Research Council of Reproductive Immunology Research Center (2017-present)

### **Educational experiences**

Seminar course for BSc students

Research Thesis course for MSc and PhD students

Molecular genetics course

### **Executive committee Association with:**

1. Member of the Research Council at the Center for Reproductive Immunology Research

2. Editorial board of international journal of medical laboratory

3. International Seminar on the diagnosis of inborn errors of metabolism. Yazd Shahid Sadoughi University of Medical Sciences, Research, and Clinical Center for Infertility, Yazd Diabetes Research Center. 10 December 2009

**Executive Director:** Farzaneh Fesahat

4. Executive Member of 5<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21april 2013, Yazd, Iran.

5. Executive Member of 5<sup>th</sup> Yazd international congress of biochemistry and molecular biology 16-19april 2013, Yazd, Iran.

6. Executive Member of national fertility preservation seminar, research and clinical center for infertility, Yazd, Iran. October 30, 2013

#### **Scientific committee and referee Association with:**

1. Reviewer of Andrologia journal from 2018-present

2. Reviewer of International journal of Medical laboratory from 2018-present

3. Member of 5<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21 April 2013, Yazd, Iran.

4. Article referee for 5<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21april 2013, Yazd, Iran.

5. Member of the Stem cell research committee of the Shahid Sadoughi University of Medical Science, Yazd, Iran. April 27, 2014

#### **Oral presentations**

1. Lecturer of basic of culture and equipment in National mesenchymal stem cell workshop, stem cell lab, research and clinical center for infertility, Yazd, Iran. **September 16, 2013**

2. The corresponding author of an Oral presentation entitled "Sarcotoxin Pd, a new antimicrobial and spermicidal peptide from the insect paederus dermatitis". Zare-Zardini H, Halvaei I, Nabi A, **Fesahat F**,5<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21 April 2013, Yazd, Iran.

3. Lecturer of Isolation and culturing of mesenchymal stem cell derived from bone marrow. **September 7, 2013.**

4. **Farzaneh Fesahat**, Azita Faramarzi, Razieh Dehghani Firouzabadi, Halvaei I, Mohammad Ali Khalili. Comparison of different in vitro maturation media for immature oocytes obtained from stimulated ICSI cycles. *2th International Congress on Reproduction.*

5. **Farzaneh Fesahat**, Faramarzi A, Khoradmehr A, Omidi M, Anbari F, Khalili MA. Vitrification of mouse MII oocytes: Developmental competency using Paclitaxel. *7th Yazd International Congress and Student Award in Reproductive Medicine.*

### **Awards**

1. **Best national researcher** in the medical university of shahid sadoughi, Yazd, Iran in 2015.
2. **Student winner** of 7<sup>th</sup> Yazd international congress and student award in reproductive medicine .19-21april 2017, Yazd, Iran.
3. National Best researcher by the National Research Committee and selected as a brilliant talent student in 2018
4. **Brilliant Country Researcher** and talented Ph.D. student in Feb 2018 selected by Ministry of Health and Medical Education
5. The **best researcher** in the field of reproduction selected from "4th Award of Excellence in Reproduction", April 2018.
6. **Best national researcher** in the medical university of shahid sadoughi, Yazd, Iran in 2022.

### **Recent Attendance certificate and Professional Training:**

1. Participated in 5<sup>th</sup> Yazd international congress of biochemistry and molecular biology
2. Participated in national mesenchymal stem cell workshop, stem cell lab, research and clinical center for infertility, Yazd, Iran
3. Participated in 2nd reproductive biology seminar, Yazd, Iran
- 4 Participated in national quality control workshop, stem cell lab, research and clinical center for infertility, Yazd, Iran
- 5 Participated in national fertility preservation seminar, research and clinical center for infertility, Yazd, Iran, 30-31 October 2013

6A Today's workshop in “Fetal cells isolated from maternal blood for Prenatal non-invasive genetic investigation” Shahid Sadoughi University, Yazd, Iran, May. 2007

7A Today's workshop in “FISH technique” Shahid Sadoughi University, Yazd, Iran, May. 2013

### **Academic referees**

**1. Mohammad Hasan Sheikhha, PhD**

Department of Genetics, Research, and Clinical Center for Infertility, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

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**2- Prof. Ali Reza Talebi, PhD**

Department of Genetics, Research, and Clinical Center for Infertility, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

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**4. Prof. Habib Nikukar, MD, PhD**

Department of Advanced Medical Sciences and Technologies, School of Paramedicine, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.

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