
Shiva Roshankhah

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Educational Background

1390 (2011-2013)	Ph.D. in anatomical sciences / Esfahan University of Medical Sciences/ Esfahan
1386 (2007-2010)	M.Sc. in Anatomical Sciences / Kermanshah University of Medical Sciences / Kermanshah
1379 (2000-2004)	B.Sc. in Nursing / Tehran University of Medical Sciences/ Tehran

Recent work history

1393 till now (2014 till now)	Assistant professor of Anatomy and cell biology in Medical School, Kermanshah University of Medical Sciences
1393 till now (2014 till now)	Clinical embryologists in Motazedi Hospital, Kermanshah University of Medical Sciences
1393 till now (2014 till now)	Active member of Educational Development Center (EDC), Kermanshah University of Medical Sciences Active member of Health Technology Center (HTC), Kermanshah University of Medical Sciences

Teaching Experience

1393 till now (2014 till now)	Upper limb Anatomy for medical students
1393 till now (2014 till now)	Histology for dental students
1393 till now (2014 till now)	General Anatomy for medicine students
1393 till now (2014 till now)	General Histology for medicine students
1393 till now (2014 till now)	General Anatomy for paramedical students
1393 till now (2014 till now)	Medical Information and computer and introduction to medical databases for Msc students
1393 till now (2014 till now)	General Anatomy for medical physics and medical engineering Msc students

Research Interests

- Adult stem cells and differentiation
- Chondrogenesis
- Bio electric field
- Clinical embryology
- Microinjection (ICSI)
- Laser hatching
- Sperm analysis, processing and cryopreservation
- Experimental and clinical in vitro fertilization
- Oocyte and embryo vitrification

Research Activities

M.Sc. Thesis (2007-2010)	<p>Survey Sildenafil effect on human epithelial cell in invitro culture.</p> <p>Department of Anatomy, Kermanshah University of Medical Sciences.</p> <p>Supervisors : Prof. Khazaei</p>
Ph.D. Thesis (2011-2013)	<p>Survey the role of electric field (EF) on chondrogenesis process in human adipose-derived stem cells.</p> <p>Department of Anatomy, Esfahan University of Medical Sciences.</p> <p>Supervisors : Prof. Esfandiari, Prof. Mardani, Dr. Hashemibani</p>
Research Director (2017)	<p>Studying & verify the package of move to third-generation University using the formulation and execution of encouraging teachers and students Sheets in 3Macro Region preparatory.</p> <p>Department of Anatomy, Kermanshah University of Medical Sciences.</p>
Research Director (2017)	<p>Clarifying of the students' satisfy and self-efficacy after uploading of training content on Learning Management System: Mixed method study.</p> <p>Department of Anatomy, Kermanshah University of Medical Sciences.</p>
Research Assistant (2017)	<p>The effect of record of developing and implementing e-learning on the quantity and quality of education and the realization of packages of change and innovation in medical education in Kermanshah University of Medical Sciences.</p> <p>Department of Anatomy, Kermanshah University of Medical Sciences.</p>
Research Assistant (2017)	<p>Survey of the Role of Medical Education Development Center as Mentor's students on level of education awareness and improvement quality of education in Kermanshah University of Medical Sciences.</p> <p>Department of Anatomy, Kermanshah University of Medical Sciences.</p>

Research Director (2016)	Survey of the hydro-alcoholic extract of Falcaria vulgaris on histopathological liver in Streptozotocin-induced diabetic rats. Department of Anatomy, Kermanshah University of Medical Sciences.
Research Director (2016)	Internal evaluation of anatomy department in Kermanshah University of medical sciences Department of Anatomy, Kermanshah University of Medical Sciences.
Research Director (2016)	survey of the hydro-alcoholic extract of Falcaria vulgaris on kidney disorders in Streptozotocin-induced diabetic rats. Department of Anatomy, Kermanshah University of Medical Sciences.
Research Advisor (2015)	Investigation of thymoquinone effects on apoptosis genes expression in the heart tissue affected by nicotine administration in male Balb/C Department of Anatomy, Kermanshah University of Medical Sciences.
Research Director (2015)	Investigation of relationship between G6PD enzyme deficiency with DNA fragmentation in infertile men sperm. Infertility Research Center, kermanshah University of Medical Sciences.

Patents

1392 (2013) No:139250140003008704	Design and manufacturing converter stem cells into cartilage cells by an electric field.
1395 (2016) No:139550140003000823	Smart exam with the ability to speak

1. Esfandiari E, **Roshankhah Sh**, Mardani M, Hashemibeni B, Salahshoor MR, Naghsh E, Kazemi M. The effect of high frequency electric field on enhancement of chondrogenesis in human adipose-derived stem cells. Iran J Basic Med Sci. 2014. 17:571-576.
2. Mardani M, **Roshankhah Sh**, Hashemibeni B, Salahshoor MR, Naghsh E, Esfandiari E. Induction of chondrogenic differentiation of human adipose-derived stem cells by low frequency electric field. Advanced Biomedical Research. 2014; Accepted.
3. Nikbakht M, Salahshoor M.R, Mardani M, Rabbani M, Hashemibeni B, **Roshankhah Sh**, et al. The apoptotic effects of sirtuin₁ inhibitor on MCF-7 and MRC-5 cell lines. Research in pharmaceutical sciences. 2013; 8(2): 79-89.
4. Nikbakht M, Salahshoor M.R, Mardani M, Rabbani M, Hashemibeni B, **Roshankhah Sh**. The effect of CTB on P53 protein acetylation and consequence apoptosis on MCF-7 and MRC- cell lines. Advanced Biomedical Research. 2013; 2: 147-156.
5. Salahshoor MR, Nikbakht M, Mardani M, Shabanizadeh Darehdori A, Khazaei M, Jalili S, Valiani A, **Roshankhah Sh**. Combination of Salermide and CTB induce apoptosis in MCF-7 but not in MRC-5 cell lines. Int J Prev Med 2013; 4: 1402-13.
6. Salahshoor MR, Jalili S, Darehdori AS, Khazaei M, Ghorbani R, **Roshankhah Sh**. The apoptotic effects of P300 activator on the breast cancer and lung fibroblast cell lines. Middle East Journal of Cancer. 2013; 4(4): 163-173.
7. Jalili C, Salahshoor M.R, Khademi F, Jalili P, **Roshankhah Sh**. Morphometrical Analysis of the Effect of Nicotine Administration on Brain's Prefrontal Region in Male Rat. Int. J. Morphol 2014; 32(3):761-766.
8. Moradi. S, Pourmotabbed. A, Salahshoor MR, Jalili. C, Motaghi. M, Kakebaraei S, **Roshankhah Sh**, Jalili P. The Morphometric Effects of Aqueous Extract of Boswellia Serrata on Hippocampal Region CA1 in kindled Rats . Int. J. Morphol 2014;32(4):1271-1276.
9. Jalili. C, Salahshoor MR, Pourmotabbed. A, Moradi. S, Motaghi. M, Shabanizadeh Darehdori. A, **Roshankhah Sh** .The Effects of Aqueous Extract of Boswellia Serrata on Hippocampal Region CA1 and learning deficit in kindled Rats. Research in pharmaceutical sciences. 2014; 9(5): 351-358.
10. Jalili. C, Salahshoor MR, Khani. F, **Roshankhah Sh**. Protective Effect of Curcumin against Nicotine-induced Damage on Reproductive Parameters in Male Mice. . Int. J. Morphol. 2014: 32(3):869-874.

11. Jalili. C, Salahshoor MR, Naseri A, **Roshankhah Sh**. Protective Effect of Utrica dioica against Nicotine-induced Damage on Reproductive Parameters in Male Mice. Iran J Reprod Med 2014;12(6):401-408.
12. Salahshoor. M.R, Jalili. C, **Roshankhah Sh**. Rajaei. F. An MRI study on dimensions of various parts of pons with further comparison of values with height of healthy people. Int. J. Morphol. 2014: Final stages: xxx-xxx.
13. Khazaei, M, **Roshankhah Sh**, Ghorbani R, Chobsaz F. Sildenafil Effect on Nitric Oxide Secretion by Normal Human Endometrial Epithelial Cells Cultured In vitro. International Journal of Fertility & Sterility 2011;5(3):142-147.
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18. **Roshankhah Sh**, Ghorbani R, r Khazaei M, Bakhtiari M, Salahshoor MR, Jalili C. "Internal Evaluation of Department of Anatomy and Cell Biology at Kermanshah University of Medical Sciences." Educational Research in Medical Sciences Journal 2016; 5(1):37-41.
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39. Salahshoor MR, **Roshankhah Sh**, Jafarzadeh AR, Shabanizadeh Darehdori A, Jalili C. The protective effect of crocin on pancreatic disorders resulting from nicotine prescription in male balb/c mice. *Pharmacophore*. 2017; 8(6S):e-117371.
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101. **Roshankhah S**, Abdolmaleki A, Salahshoor M R. Reduction of Renal Ischemia-Reperfusion-Induced Liver Side Effects in Rats through Antioxidative Properties of Narigenin. *J Adv Med Biomed Res*. 2020; 29 (132) :46-53.
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104. **Roshankhah S**, Shabanizadeh A, Abdolmaleki A, Reza Salahshoor M. IMPACTS OF QUERCETIN AND MERCAPTOTHION ON MALE REPRODUCTIVE PARAMETERS OF RATS. *SPERMOVA*. 2020;10(2):64-73.

Congresses

2013	Esfandiary E, Roshankhah Sh, Mardani M, Hashemibeni B. The effect of high
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	frequency electric field on enhancement of chondrogenesis in human adipose-derived stem cells. Iranian Congress of Anatomical Sciences (11 th) Ahvaz, Iran
2013	Salahshoor MR, Jalili S, Roshankhah Sh, Khademi F. Addictive effects of nicotine on the brain cortex of rats. Iranian Congress of Anatomical Sciences (11 th) Ahvaz, Iran
2013	Khazaei M, Roshankhah Sh. The introduction of a simple and reproducible method for the isolation of human endometrial epithelial cells in invitro Iranian Congress of Anatomical Sciences (9 th) Hamedan, Iran
2013	Roshankhah Sh, Khazaei M, ghorbani R, Bahremand F. Survey of sildenafil effect on normal human endometrial epithelial cells invitro culture. International Reproductive medicine. Shiraz, Iran
2013	Participation in Asia-Pacific International Congress of Anatomy (5 th) Tehran, Iran
2013	Participation in The one-day conference on tissue engineering
2014	Participation in Educational methods in biomedical sciences (1 st) Esfahan, Iran

Awards

1394	First prize in the contest "best ideas in Medical Technology" in the Kermanshah University of Medical Sciences
1395	Top rank between medical school faculty members

Skills

ART	<p>Sperm analysis and processing</p> <p>Sperm cryopreservation</p> <p>Microinjection (ICSI)</p> <p>Laser hatching</p> <p>IUI, IVF</p> <p>Vitrification</p>
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Cell culture	Stem cell culture and differentiation Epithelial culture Chondrocyte culture 3- dimensional culture Immunocytochemistry Analysis Immune fluorescent Analysis Real time PCR technique
Computer	Microsoft Office (word, power point, excel) SPSS Story line Photo shop Using medical databases
Language	Persian English
sport	Swimming Tennis Chess

References

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