

---

## Shiva Roshankhah

### Address:

Department of Anatomy & Biology,  
Kermanshah University of Medical  
Sciences Kermanshah, Iran.

[Sh.roshnkxhah@kums.ac.ir](mailto:Sh.roshnkxhah@kums.ac.ir)

[roshankhah@yahoo.com](mailto:roshankhah@yahoo.com)

Date of Birth: August 31 1982



---

## Educational Background

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

---

## Recent work history

<b>1393 till now (2014 till now)</b>	Assistant professor of Anatomy and cell biology in Medical School, Kermanshah University of Medical Sciences
<b>1393 till now (2014 till now)</b>	Clinical embryologists in Motazedi Hospital, Kermanshah University of Medical Sciences
<b>1393 till now (2014 till now)</b>	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

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

<b>M.Sc. Thesis</b> <b>(2007-2010)</b>	<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>
<b>Ph.D. Thesis</b> <b>(2011-2013)</b>	<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>
<b>Research Director</b> <b>(2017)</b>	<p>Studying &amp; 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>
<b>Research Director</b> <b>(2017)</b>	<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>
<b>Research Assistant</b> <b>(2017)</b>	<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>
<b>Research Assistant</b> <b>(2017)</b>	<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>

---

<b>Research Director (2016)</b>	Survey of the hydro-alcoholic extract of <i>Falcaria vulgaris</i> on histopathological liver in Streptozotocin-induced diabetic rats.  Department of Anatomy, Kermanshah University of Medical Sciences.
<b>Research Director (2016)</b>	Internal evaluation of anatomy department in Kermanshah University of medical sciences  Department of Anatomy, Kermanshah University of Medical Sciences.
<b>Research Director (2016)</b>	survey of the hydro-alcoholic extract of <i>Falcaria vulgaris</i> on kidney disorders in Streptozotocin-induced diabetic rats.  Department of Anatomy, Kermanshah University of Medical Sciences.
<b>Research Advisor (2015)</b>	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.
<b>Research Director (2015)</b>	Investigation of relationship between G6PD enzyme deficiency with DNA fragmentation in infertile men sperm.  Infertility Research Center, kermanshah University of Medical Sciences.

## Patents

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

## Publications

2016	<b>Shiva Roshankhah</b> , Rostam Ghorbani , Mozafar Khazaei , Mitra Bakhtiari, Mohammad Reza Salahshoor, Cyrus Jalili. Internal Evaluation of Department of Anatomy and Cell Biology at Kermanshah University of Medical Sciences. Educational Research in Medical Sciences, 2016; 24.
2016	Shahla Mirzaeei, Mansour Rezaei, <b>Shiva Roshankhah*</b> . Pharmacy Students' Satisfaction Rate with their Majors and its Relationship with Educational Status in Kermanshah University of Medical Sciences. Educ Res Med Sci journal 2016 accepted
2016	<b>Roshankhah Sh</b> , Zahra Rostami-Far, Abolfazl Movafagh, Mitra bakhtiari, jila Shaveisi-Zadeh,, Farhad Shaveisi-Zadeh. Glucose-6-phosphate dehydrogenase 5(G6PD) deficiency does not increase sperm susceptibility to oxidative stress induced by H <sub>2</sub> O <sub>2</sub> . Clin Exp Reprod Med 2016; 43(4): 193–198.
2016	Salahshoor MR, Mohamadian S, Kakabaraei S, <b>Roshankhah Sh</b> , Jalili C. Curcumin Improves liver Damage in Male Mice Exposed to Nicotine. Journal of Traditional and Complementary Medicine 2016;176-183.
2016	Salahshoor MR, Khashiadeh M, <b>Sh Roshankhah</b> , Kakabaraei S, Jalili. C. Protective effect of crocin on liver toxicity induced by morphine. RPS 2016; 11(2): 120-129.
2016	C Jalili, Ahmadi Sh, <b>Sh Roshankhah</b> , Salahshoor MR. Preventing effect of Genistein on reproductive parameter and serum nitric oxide levels in Morphine-treated Mice. Int J Reprod BioMed 2016;14(2):95-102
2015	Cyrus Jalili, Hadis Tabatabaei , Seyran Kakaberiei, <b>Shiva Roshankhah</b> , Mohammad Reza Salahshoor. Protective role of Crocin against Nicotine- induced damages on male mice liver. Int J Prev Med. 2015; 6:92.
2014	Batool Hashemibeni, Ebrahim Esfandiari, Farzaneh Sadeghi, <b>Shiva Roshankhah</b> , Mohammad Mardani, Fariba Heidary, Vahid Goharian. An animal model study for bone repair with encapsulated differentiated osteoblasts from adipose-derived stem cells in alginate. Iran J Basic Med Sci. 2014(17):11; 854-859
2014	Jalili. C, Salahshoor MR, Naseri A, <b>Roshankhah Sh</b> . Protective Effect of Utricia dioica against Nicotine-induced Damage on Reproductive Parameters in Male Mice. Iran J Reprod Med 2014;12(6):401-408.
2014	Jalili. C, Salahshoor MR, Khani. F, <b>Roshankhah Sh</b> . Protective Effect of Curcumin against Nicotine-induced Damage on Reproductive Parameters in Male Mice. Int. J. Morphol. 2014: 32(3):869-874.
2014	Jalili. C, Salahshoor MR, Pourmotabbed. A, Moradi. S, Motaghi. M, Shabanizadeh Darehdori. A, <b>Roshankhah Sh</b> .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.
2014	Moradi. S, Pourmotabbed. A, Salahshoor MR, Jalili. C, Motaghi. M, Kakebaraei S, <b>Roshankhah Sh</b> , 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.
2014	Jalili C, Salahshoor M.R, Khademi F, Jalili P, <b>Roshankhah Sh</b> . Morphometrical Analysis of the Effect of Nicotine Administration on Brain's Prefrontal Region in Male Rat. Int. J. Morphol 2014; 32(3):761-766.

2014	Esfandiari E, <b>Roshankhah Sh</b> , 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.
2014	Mardani M, <b>Roshankhah Sh</b> , 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
2013	Salahshoor MR, Jalili S, Darehdori AS, Khazaei M, Ghorbani R, <b>Roshankhah Sh</b> . 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.
2013	Salahshoor MR, Nikbakht M, Mardani M, Shabanizadeh Darehdori A, Khazaei M, Jalili S, Valiani A, <b>Roshankhah Sh</b> . 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.
2013	Nikbakht M, Salahshoor M.R, Mardani M, Rabbani M, Hashemibeni B, <b>Roshankhah Sh</b> . 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.
2013	Nikbakht M, Salahshoor M.R, Mardani M, Rabbani M, Hashemibeni B, <b>Roshankhah Sh</b> , 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.

## Congresses

2013	Esfandiary E, Roshankhah Sh, Mardani M, Hashemibeni B. The effect of high frequency electric field on enhancement of chondrogenesis in human adipose-derived stem cells.  Iranian Congress of Anatomical Sciences (11 <sup>th</sup> ) 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 <sup>th</sup> ) 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 <sup>th</sup> ) 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 <sup>th</sup> ) Tehran, Iran

<b>2013</b>	Participation in The one-day conference on tissue engineering
<b>2014</b>	Participation in Educational methods in biomedical sciences (1 <sup>st</sup> ) Esfahan, Iran

## Awards

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

## Skills

<b>ART</b>	<ul style="list-style-type: none"> <li>Sperm analysis and processing</li> <li>Sperm cryopreservation</li> <li>Microinjection (ICSI)</li> <li>Laser hatching</li> <li>IUI, IVF</li> <li>Vitrification</li> </ul>
<b>Cell culture</b>	<ul style="list-style-type: none"> <li>Stem cell culture and differentiation</li> <li>Epithelial culture</li> <li>Chondrocyte culture</li> <li>3- dimensional culture</li> <li>Immunocytochemistry Analysis</li> <li>Immune fluorescent Analysis</li> <li>Real time PCR technique</li> </ul>
<b>Computer</b>	<ul style="list-style-type: none"> <li>Microsoft Office (word, power point, excel)</li> <li>SPSS</li> <li>Story line</li> <li>Photo shop</li> </ul>

	Using medical databases
<b>Language</b>	Persian
	English
<b>sport</b>	Swimming
	Tennis
	Chess

---

## References

**Dr. R. Ghorbani**, associated professor of Anatomy , Department of Anatomy & Biology, kermanshah University of Medical Sciences. rostamgh@yahoo.com

**Prof. M. Khazaei** , professor of Anatomy , Department of Anatomy & Biology, kermanshah University of Medical Sciences. M\_khazaei@yahoo.com

**Dr. C. Jalili**, associated professor of Anatomy , Department of Anatomy & Biology, kermanshah University of Medical Sciences. C\_jalili@yahoo.com

**Prof. E. Esfandiary**, professor of Anatomy , Department of Anatomy & Biology, Esfahan University of Medical Sciences. esfandiari@med.mui.ac.ir

**Prof. M. Mardani**, professor of Anatomy , Department of Anatomy & Biology, Esfahan University of Medical Sciences. mmardani@mui.ac.ir