



## CURRICULUM VITAE

### Dr. Hossein Kargar Jahromi

#### PhD in Comparative Histology

Faculty Member | Researcher | Laboratory Animal Specialist Jahrom University of Medical Sciences, Iran

#### Personal Information

- **First name:** Hossein
- **Last name:** Kargar Jahromi
- **Date of Birth:** 1981 September 23
- **Place of Birth:** Jahrom, Fars
- **Nationality:** Iranian
- **Marital status:** Single
- **Job title:** Head of Laboratory Animal
- **Organisation:** Jahrom University of Medical Sciences
- **H-index:** 15

#### Contact Information

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## Education

Degree	Field	Institution	Years	GPA
<b>Postdoc</b>	Tissue Engineering	Tehran University of Medical Sciences	2018–2019	—
<b>PhD</b>	Comparative Histology	Shiraz University	2012–2015	18.48
<b>MSc</b>	Animal Physiology	Kazerun Azad University	2006–2018	18.13
<b>BSc</b>	Biology Education	Jahrom Azad University	2000–2003	17.49

## Thesis Titles

- **Postdoc:** Sciatic nerve repair using Schwann and Caudal cells with PLLA/Carbon nanotube/Curcumin nanoparticles in rat model
- **PhD:** Histomorphometric and immunohistochemical study of lycopene's effect on dopamine receptors and GABA neurons in fetal and neonatal rats from alcoholic mothers
- **MSc:** Effects of swimming stress on leptin, corticosterone, ACTH, and serum biochemical factors in male rats

## Academic & Executive Roles

- **Chair,** Strategic Council of Student Research & Technology Committees, Region 5 (2023–Present)
- **Head,** Student Research Committee, Jahrom University of Medical Sciences (2015–Present)
- **Director,** Laboratory Animal Breeding & Research Center, Jahrom University of Medical Sciences (2013–Present)
- **Faculty Member,** Research Center for Non-Communicable Diseases
- **Organizer,** 8th Student Congress of Southern Medical Universities (2017)

- **Member**, Research Council, Jahrom University of Medical Sciences (1994–Present)
- **Member**, Scientific Committee, 10th Iranian Biophysical Chemistry Conference
- **Member**, Scientific Committee, 7th Southern Student Research Congress (2016)
- **Reviewer**, Pers Scientific Research

## Publications

		Journal	Year	Authors	Responsibility
1	Sciatic Nerve Regeneration in Rat Model With PLGA-MWCNT Conduit Loaded by Fibrin Hydrogel Containing Nanolycopene and Schwann Cells	Journal of Biomedical Materials Research Part B: Applied Biomaterials	2025	Jafar Ai, Majid Salehi, et al., <b>HK Jahromi</b> ,	Correspond
2	Non-coding RNAs in celiac disease	Clinica Chimica Acta	2025	Asma Vafadar, Elham Shirazi-Tehrani, et al., <b>HK Jahromi</b> , et al.	Author
3	The role of alcohol as a risk factor in pancreatic cancer: a systematic review based on cohort and case-control studies	Annals of Pancreatic Cancer	2025	Hamed Delam, Maryam Roosta, et al., <b>HK Jahromi</b> , et al.	Author
4	Antioxidative, Hepatoprotective, and Antidiabetic, Properties of The Chitosan Nanoparticles, Loaded with Hydroalcoholic Extracts of Aerial Part of the Hypericum perforatum L...	Archives of Razi Institute	2025	Mahboubeh Mansourian, Fatemeh Noroozi, et al., <b>HK Jahromi</b>	Correspond
5	The Effectiveness of Tramadol in Pain Relief in Chronic Diseases: A Review Based on Clinical Trials	Journal of Pain & Palliative Care Pharmacotherapy	2025	K Seidmohammadi, H Haghshenas, et al., <b>HK Jahromi</b> , et al.	Author
6	The Survival Rate of Leukemia Patients in Asian Regions: A Systematic Review and Meta-Analysis Study.	Iranian Journal of Pediatric Hematology & Oncology	2025	R Zare, H Haghshenas, et al., <b>HK Jahromi</b> , et al.	Author
7	Synergic effects of core-shell nanospheres and magnetic field for sciatic nerve regeneration in decellularized artery conduits with Schwann cells	Journal of Nanobiotechnology	2024	M Sharifi, M Salehi, et al., <b>HK Jahromi</b> , et al.	Author
8	Comparative Analysis of the Effects of Taurine and Metformin on Serum Levels of LH, DHEA, and Testosterone in Type 2 Diabetic Wistar Rats	Iranian biomedical journal	2024	S Masoudian, M Dehghani, F Kouhpeima, <b>HK Jahromi</b> , R Mosallanejad	Author
9	Perspectives on Cirrhosis in	Hepatitis Monthly	2024	Hassan Askari,	Author

	Southern Iran: A Temporal Comparative Study from 2009 to 2022			Sara Shojaei Zarghani, et al., <b>HK Jahromi</b> , Gholam Reza Sivandzadeh	
10	The point and lifetime prevalence of midwakh consumption in the Eastern Mediterranean region: a systematic review and meta-analysis	Journal of Substance Use	2024	MR Bazrafshan, R Zare, M Elahi, M Roosta, <b>HK Jahromi</b> , et al.	Author
11	Menopausal state and rheumatoid arthritis: a systematic review and meta-analysis	BMC rheumatology	2024	N Namavari, M Jokar, A Ghodsian, <b>HK Jahromi</b> , V Rahmanian	Author
12	Bioinformatic design of multi-epitope antigens of Brucella melitensis and Brucella abortus to diagnose brucellosis in humans	Pars Journal of Medical Sciences	2024	M Asadi, M Baneshi, A Vafadar, <b>HK Jahromi</b> , A Savardashtaki	Author
13	Effect of Nettle (Urtica dioica L.) Leaf Hydroalcoholic Extract on Atherosclerosis Plaque Formation of Cardiovascular Diseases	Journal of Medicinal plants and By-products	2024	M Nilkpoor, <b>HK Jahromi</b> , M Johari, M Nilkpoor, H Rahdar	Author
14	Evaluation of circulating microvesicles and their procoagulant activity in patients with COVID-19	BMC Research Notes	2024	AH Tayer, <b>HK Jahromi</b> , et al.	Author
15	Preparation of Decellularized Lung Matrix Scaffolds and Evaluation of its Effect on Endometrial Stem Cell Differentiation into Lung Epithelial-like Cells	CURRENT STEM CELL RESEARCH & THERAPY	2024	Abdolreza Mohamadnia, Kambiz Bagherzadi, et al., <b>HK Jahromi</b> , et al.	Author
16	Evaluation of the effect of co-transplantation of collagen-hydroxyapatite bio-scaffold containing nanolycopene and human endometrial mesenchymal stem cell derived exosomes to...	Regenerative Therapy	2024	Masoumeh Einabadi, Azadeh Izadyari Aghmiuni, et al., <b>HK Jahromi</b> , Jafar Ai	Correspond
17	The efficacy of various interventions as good strategies to reduce pain in botulinum neurotoxin A for wrinkles. A systematic review of the randomized controlled trials (RCTs)	Journal of Cosmetic and Laser Therapy	2024	B Ebrahimi, S Jamzad, et al., <b>HK Jahromi</b> , M Naseh	Author
18	The effect of aqueous extract of orchid root on the structure of ovary and hypothalamic-pituitary-gonadal hormones in polycystic ovary syndrome rat model: An experimental study	International Journal of Reproductive BioMedicine	2024	Hassanali Abedi, Armin Zarrin-Mehr, et al., <b>HK Jahromi</b>	Correspond
19	Investigating the Preventive Effects of Oral Consumption	Archives of Razi Institute	2024	H Haghshenas, M Molayem, N	Correspond

	of Dactylorhiza Maculate (Salep) Hydro-alcoholic Extract on Appetite and Body Weight in Male Rats			Shafiei Jahromi, <b>HK Jahromi</b> , et al.	
20	Oral consumption of Hydro-alcoholic extract of Dactylorhiza maculate (Salep) Prevents Appetite and Body Weight in Male Rats	Archives of Razi Institute	2024	H Haghshenas, M Molayem, N Shafiei Jahromi, <b>HK Jahromi</b> , et al.	Correspond
21	Temporal analysis of cutaneous leishmaniasis incidence in an endemic area of Southeast Iran	Acta Parasitologica	2024	M Tadayyon, V Rahmanian, H Parvin Jahromi, <b>HK Jahromi</b> , et al.	Author
22	Effect of aqueous-alcoholic extract of Ducrosia anethifolia Boiss on the fetal liver of diabetic rats	World Journal of Traditional Chinese Medicine	2024	<b>HK Jahromi</b> , F Ghasemi, E Mikaeiliagah	First
23	Hydroalcoholic Extract of Ziziphus Jujuba Leaf to Prevent Ethylene Glycol and Ammonium Chloride-Induced Kidney Stones in Male Rat: Is it Effective?	Urology Journal	2023	M Pourahmadi, M Fathi, et al., <b>HK Jahromi</b>	Correspond
24	The role of efferocytosis and transplant rejection: Strategies in promoting transplantation tolerance using apoptotic cell therapy and/or synthetic particles	Cell Biochemistry and Function	2023	A Vafadar, P Vosough, <b>HK Jahromi</b> , et al.	Author
25	Effect of High Doses of Salep Aqueous Extract on Serum Levels of Urea Nitrogen, Creatinine, Uric Acid, and Kidney Histopathological Changes in Adult Male Wistar Rats	Archives of Razi Institute	2023	S Atashpour, H Abedi, et al., <b>HK Jahromi</b>	Correspond
26	The effect of sodium valproate and citronellol on the concentration of estriol, placental gonadotropin and alpha phytoprotein in maternal and fetal serum and amniotic fluid in rats	The Iranian Journal of Obstetrics, Gynecology and Infertility	2023	M Pourahmadi, S Bagheri, M Rahimipour, <b>HK Jahromi</b>	Correspond
27	EVALUATION OF THE EFFECT OF POLY (-CAPROLACTONE)/POLY (L-LACTIC) ACID/GELATIN NANOFIBER 3D SCAFFOLD CONTAINING RESVERATROL ON...	Biomedical Engineering: Applications, Basis and Communication	2023	<b>HK Jahromi</b> , et al.	First
28	Enhanced spinal cord regeneration by gelatin/alginate hydrogel scaffolds containing human endometrial stem cells and curcumin-loaded PLGA nanoparticles in rat	Life Science	2023	Arman Ai, Elham Hasanzadeh, et al., <b>HK Jahromi</b> , Jafar Ai	Correspond
29	The protective effect of	International	2023	Hassanali Abedi,	Correspond

	hydroalcoholic extract of Ephedra pachyclada leaves on ovarian damage induced by cyclophosphamide in rat: An experimental study	Journal of Reproductive BioMedicin		Mahnaz Nemati, et al., <b>HK Jahromi</b>	
30	Cell-free therapy based on extracellular vesicles: a promising therapeutic strategy for peripheral nerve injury	Stem Cell Research & Therapy	2023	Mojdeh Salehi Namini, Fatemeh Daneshimehr, et al., <b>HK Jahromi</b> , et al.	Author
31	Effect of Hydroalcoholic Extract of Aloe Vera on Fetal Cerebellar Development in Streptozotocin-Induced Diabetic Rats	Pars Journal of Medical Sciences	2023	Mohammad Pourahmadi, Ehsan Rastgoo, et al., <b>HK Jahromi</b>	Correspond
32	The Role of Gut Microbiota in Inflammatory Bowel Disease- Current State of the Art	Mini Reviews in Medicinal Chemistry	2023	H Askari, S Shojaei-Zarghani, E Raeis-Abdollahi, <b>HK Jahromi</b> , et al.	Author
33	The incidence of oral cavity cancer in Iran: A systematic review and meta-analysis	Cancer Reports	2023	M Jokar, N Namavari, SA Moshiri, <b>HK Jahromi</b> , V Rahmanian	Author
34	Tissue-Engineered Core–Shell Silk-Fibroin/Poly-l-Lactic Acid Nerve Guidance Conduit Containing Encapsulated Exosomes of Human Endometrial Stem Cells...	ACS Biomaterials Science & Engineering	2023	MS Namini, S Ebrahimi-Barough, J Ai, <b>HK Jahromi</b> , et al.	Author
35	The effect of leaf hydroalcoholic extract of Ephedra pachyclada infertility in male rats treated with cyclophosphamide: an experimental study	International Journal of Reproductive BioMedicine	2023	Shiva Saleh, Aref Ghanaatpisheh, et al., <b>HK Jahromi</b> , Bahare Ebrahimi	Correspond
36	Metabolic syndrome and nephrolithiasis; a cross sectional population-based study on the baseline data of the PERSIAN Kavar Cohort Study	Urology	2023	S Shojaei-Zarghani, et al., <b>HK Jahromi</b> , et al.,	Author
37	Studying the effect of lycopene on serum concentrations of leptin, cholecystokinin, neuropeptide Y, and body weight changes in adult female rats	Pars Journal of Medical Sciences	2023	Maliha Hajiani, Shekoufeh Atashpour, Marzieh et al., <b>HK Jahromi</b>	Correspond
38	Evaluation Salep aqueous extract therapeutic effects on lipid profiles, Malondialdehyde and antioxidant-associated enzymes in atherosclerotic male rabbits	Pars Journal of Medical Sciences	2023	S Atashpour, E Rastin, et al., <b>HK Jahromi</b>	Correspond
39	The Effect of Hydroalcoholic Extract of Salep on Pentylene-tetrazole-Induced Seizure in Adult Male Rats	Iranian Journal of Neurosurger	2023	<b>HK Jahromi</b> , et al.	First

40	Adiantum capillus-veneris and Respiratory Diseases	International Journal of Basic Science in Medicine	2023	G Haghighi, M Haghighi, R Aziminia, <b>HK Jahromi</b>	Author
41	Evaluation of The Effect of Poly Acid/Gelatin Nanofiber 3d Scaffold Containing Resveratrol On Bone Regeneration	Biomedical Engineering: Applications, Basis and Communications	2023	<b>HK Jahromi</b> , et al.	First
42	Associated factors with intensive care unit (ICU) admission and mortality among road traffic accident victims in southern Iran: results from a trauma registry	Frontiers in Emergency Medicine	2023	K Rahmanian, V Rajabpour, et al., <b>HK Jahromi</b>	Author
43	The Positive Effect of Atropa belladonna on Inflammatory Cytokines in the Animal Model of Multiple Sclerosis	International Clinical Neuroscience Journal	2023	H Abedi, M Karimi, N Sadeghi, <b>HK Jahromi</b> , et al.	Author
44	Anesthesia and analgesia for common research models of adult mice	Laboratory animal research	2022	Siavash Ahmadi-Noorbakhsh, et al., <b>HK Jahromi</b> , et al.	Author
45	The Therapeutic Effect of Mesenchymal Stem Cells in Spinal Cord Injury	Galen Medical Journal	2022	S Negargar, M Pooladi, F Hatami, SS Bahrani, <b>HK Jahromi</b>	Correspond
46	The Effects of Hydroalcoholic Extract of Silk Cocoon on Hypothalamic-Pituitary–Gonadal Axis in Streptozotocin-Induced Diabetic Male Rats	Autoimmune Diseases	2022	S Ahi, F Ebrahimi, HA Abedi, <b>HK Jahromi</b> , S Zarei	Author

### Awards & Honors

- **First Place** — Razi Festival, Student Research Committee (Type 3 Universities): 2022, 2023
- **Top Ranking** — Student Research and Technology Committee among Type 3 Medical Universities, 2022, 2023
- **Top Researcher** — Research Centers: 2015, 2016, 2017, 2018, 2020
- **Top Researcher** — Jahrom University of Medical Sciences: 2016, 2017, 2018, 2019
- **Third Place** — Top Researcher, Jahrom University of Medical Sciences: 2023

#### National and international congresses

1. Effect of chronic swimming stress and adrenalectomy on serum BUN, creatinine, sodium and potassium concentrations in adult male rats
2. DIVERSITY OF BAT (MAMMALIA, CHIROPTERA) AND RECORD NEW SOECIES IN THE SOUTERAN REGION OF IRAN (JAHROM)
3. The Study of CT Rousettus aegyptiacus (Mammalia, Chiroptera, Megachiroptera, pteropoidae) As Seed Disperser and Pollintor in the Southern Region of Iran (jahrom)
4. The role of cryopreservation methods in infertility treatment
5. A review of the advantages and disadvantages of IVF
6. Detection of Sarcocystis capracanis infection by PCR-RELP in slaughtered goats
7. First molecular study of sarcocystis capracanis infection from slaughtered goats in Jahrom
8. Comparison of Tissue Proliferation and PCR in the Study of Sarcocystis Infection in Goats Slaughtered in Jahrom (Lecture)
9. Determination of Sarcocystis Species by PCR-RFLP Method in Slaughtered Goats in Jahrom (Lecture)
10. Effect of hydroalcoholic extract of Urttica dioica root on testicular tissue of adult rat
11. Effect of hydroalcoholic extract of Urttica dioica root on sex hormones of adult male rat
12. Effect of hydroalcoholic extract of black seed on hormonal changes of FSH and estrogen in female rats
13. The Effect of Hydroalcoholic Extract of Valerian on LH and Progesterone Hormonal Changes in Female Rats
14. The effect of aqueous alcoholic extract of oak plum on FSH and estrogen hormone concentrations in Wistar rats
15. Effect of aqueous alcoholic extract of oak placenta on abortion in female Wistar rats
16. The effect of surgical and cognitive stress on plasma triglyceride and leptin concentrations in male rats



17. Antioxidant effect of vitamin c on the toxic effects of malathion on reproductive system physiology in female rats
18. cloning and selection of camel antibody gene against human epidermal growth factor receptor - 2 (HER-2)
19. effects of Artemisia Herba Alba extract on testis and spermatogenesis in diabetic rats
20. Comparison of advantage and limitations of in vivo-induced antigen technology (IVIAT) and DNA expression microarrays to identify. New paradigm for antimicrobial therapy
21. Evaluation of deltamethrin pesticide on LH, FSH and estrogen and progesterone hormones in rats
22. Euthanasia from the perspective of the Qur'an and Medical Sciences
23. Ethical challenges of embryo donation in Iranian infertility treatment system
24. Effect of five finger extract on estrogen and progesterone hormones in rats after treatment with Taxol
25. The effect of five finger extract on folliculogenesis in rats after treatment with Taxol
26. Effect of Asparagus Extract on Folliculogenesis after Cyclophosphamide Treatment in Rats
27. Effect of asparagus extract on estrogen and progesterone hormones after treatment with cyclophosphamide in female rats
28. The effect of hydroalcoholic extract of Urtica dioica on folliculogenesis in rat
29. Hydro-alcoholic Effect of Mohammadi Flower on Male Sexual Hormones
30. The Effect of Hydroalcoholic Extract of Ephedra on Serum Concentration of Leptin, Cholecystokinin and Body Weight in Male Rats
31. Comparison of the analgesic effect of paracetamol and magnesium sulfate in surgeries
32. The effect of eight weeks of hydrotherapy on quality of life and depression in elderly women over 50 years in Jahrom
33. Comparison of the effect of AVA at different times after cesarean section on the severity of pain in mothers
34. Effect of Lycopene on Serum Concentration of Ghrelin in Adult Female Rats
35. Effect of aqueous extract of native Iranian asparagus on hepatic factor concentration in cadmium chloride-treated rats
36. Effect of aqueous extract of black seed on cholecystokinin hormone in male rats
37. Comparison of the effect of ginger extract with clomiphene citrate on sex hormone changes in rats with polycystic ovary syndrome
38. Effect of aqueous extract of Psyllium on healing of nonalcoholic fatty liver in rats

39. The effect of selenium and zinc on the prevention of alcoholic liver injury in rats
40. investigation of curcumin effects on ovaries and the hormones LH and progesteron in Wistar rats treated with cadmium chloride
41. protective effects of curcumin on the concentration of GNRH, FSH and estrogen hormones in adult female rats treated with cadmium chloride
42. The Effect of Hydroalcoholic Extract of Ephedra on Serum Concentration of Neuropeptide Y, Ghrelin and Body Weight in Male Rats
43. The Effect of Hydroalcoholic Extract of Satan's Claw on Serum Concentration of Leptin and Neuropeptide Y in Male Rats
44. The Effect of Hydroalcoholic Extract of Satan's Claw on Serum Concentration of Obestatin in Male Rats
45. The Effect of Hydroalcoholic Extract of Naughty Claw on Serum Concentration of Cholecystokinin and Body Weight Changes in Male Rats
46. The Effect of Hydroalcoholic Extract of Ephedra on Serum Concentration of Adiponectin in Male Rats
47. Effect of Asparagus Aqueous Extract on Prevention of Alcoholic Liver Injury in Adult Rats
48. walnut leaf blue extract on blood weight and blood of diabetic rats (type 1) with streptozosin: study on health promotion
49. Frequency of SPM gene in Acinetobacter baumannii isolates collected from Fars province 2016
50. Frequency of KPC gene in Acinetobacter baumannii isolates collected from Fars province in 2016
51. Effect of aqueous Extract of Spinach Fruit on Liver Enzymes Changes in Non-Alcoholic Fatty Liver Rats
52. The Effect of Hydroalcoholic Extract of Naughty Claw on Serum Concentration on Serum Adiponectin Concentration in Male Rats
53. Determination of topical effects and intraperitoneal injection of eugenol on acute corneal pain in male rats
54. Effect of hydroalcoholic extract of Aloe vera on fetal cerebral development of fetus in streptozotocin-induced diabetic rats
55. The Effect of Hydroalcoholic Extract of Naughty Claw Root on Peripheral Blood Cells in Rat after Hemolytic Anemia

56. The effect of quercetin on the levels of interleukin 51 and 51 in the experimental model of multiple sclerosis in rats

### Teaching Experience

- Histology (Medical & Paramedical Students)
- Physiology & Animal Biosystematics
- Embryology & Developmental Biology
- Laboratory Animal Applications in Parasitology
- Animal Physiology, Biosystematics, Histology, Embryology
- Cell Culture Techniques
- Zoology, Histology, and Embryology Educational Poster Design

### Institutions

- Jahrom University of Medical Sciences (2015–Present)
- Jahrom Azad University (2003–2013)
- Payam Noor University of Jahrom (2010–2014)

### Research Skills & Technical Expertise

- ELISA & Radioimmunoassay
- Histological Sectioning & Staining
- Laboratory Animal Surgery: Adrenalectomy, Gonadectomy, Injections
- Cell Culture & Cryopreservation
- Medicinal Plant Extracts & Essential Oils
- Taxidermy & Skeletal Preparation

### Research Skills & Technical

- Iranian Scientific Society of Physiology (Since 2014)
- Young Researchers Club (2003–2014)

### Authored & Translated Books

### **Authored Titles**

- The Adverse Effects of Herbicides and the Benefits of Vitamin C on Fertility
- Self-Care Education for Hemodialysis Patients
- Therapeutic Properties of Aloe Vera in Mothers with Multiple Sclerosis
- Pregnancy and Childbirth in Mothers with Parkinson's Disease
- Tomato and Its Role in Improving Parkinson's Disease
- Alcohol-Related Complications in Pregnant Mothers

### **Translated Titles**

- Practical Guide to Mouse Histology
- Ross Human Histology – 7th Edition
- Operational Code for Housing and Care of Laboratory Mice, Rats, Guinea Pigs, and Rabbits
- Revised Guidelines for Organ Sampling and Treatment in Rats and Mice
- Experimental Surgical Models in Laboratory Mice