



Hossein Zhaleh
PhD of Cell and Molecular Biology

Personal Records

First Name: **Hossein**

Last Name: **Zhaleh**

Date of Birth: **25 Nov 1984**

Nationality: **Iranian**

Gender: **Male**

Place of Birth: **Kermanshah, Iran**

Address: **Kermanshah University of Medical Sciences, Kermanshah, Iran**

Marriage Status: **Married**

Mob: **+98 938 261 3149, +98 918 056 9225**

E-mail: **hossain_jale@yahoo.com**

Languages:

I know Farsi (native) and English (semi-fluently)

Educational Records

B.Sc:

From: University of Razi, Kermanshah, Iran (2004-2008)

Major: Animal Biology

M.Sc:

From: University of Razi, Kermanshah, Iran (2008-2011)

Major: Cell and Molecular Biology

Ph.D:

From: University of Razi, Kermanshah, Iran (2013-2016)

Major: Cell and Molecular Biology

Employment history:

2017-present; Scientific member of school of medicine Kermanshah University of medical sciences (KUMS) as an assistant professor

Teaching:

Cellular Biology lab, for B.S students of Razi University. 2007-2008

Microbiology lab, for B.S students of Razi University. 2007-2008

Genetics lab, for B.S students of Razi University. 2008-2009

Cell and tissue culture lab, for M.Sc students of Razi University. 2008-2009

Cellular Biology, for B.S students of Razi University. 2007-2008

Molecular Biology, for B.S students of Razi University. 2007-2008

Molecular Genetics, for B.S students of Razi University. 2007-2008

Basic Genetics, for B.S students of Razi University. 2007-2008

Cellular Biology, for B.S students of Razi University. 2008-2009

Molecular Biology, for B.S students of Razi University. 2008-2009

Molecular Genetics, for B.S students of Razi University. 2008-2009

Basic Genetics, for B.S students of Razi University. 2008-2009

Cellular Biology, for B.S students of Razi University. 2009-2010

Molecular Biology, for B.S students of Razi University. 2009-2010

Molecular Genetics, for B.S students of Razi University. 2009-2010

Basic Genetics, for B.S students of Razi University. 2009-2010

Cellular and Molecular Biology, for B.S students of Razi University. 2012-2013

Human Molecular Genetics, for B.S students of Razi University. 2013-2014
Human Cytogenetic, for B.S students of Razi University. 2013-2014
Molecular Biotechnology, for B.S students of Razi University. 2013-2014
Cellular and Molecular Biology, for B.S students of Radiology, Kermanshah University of Medical Sciences. 2018-2019
Cellular and Molecular Biology, for M.Sc students of Radiobiology, Kermanshah University of Medical Sciences. 2018-2019
Cellular and Molecular Biology, for M.Sc students of Immunology, Kermanshah University of Medical Sciences. 2018-2019
Cell Culture Techniques, for M.Sc students of Radiobiology, Kermanshah University of Medical Sciences. 2018-2019
Cellular and Molecular Biology, for M.Sc students of Radiobiology, Kermanshah University of Medical Sciences. 2019-2020
Cellular and Molecular Biology, for M.Sc students of Immunology, Kermanshah University of Medical Sciences. 2019-2020
Cell Culture Techniques, for M.Sc students of Radiobiology, Kermanshah University of Medical Sciences. 2019-2020
Cell Culture Techniques, for M.Sc students of Radiobiology, Kermanshah University of Medical Sciences. 2020-2021

Area and Experts:

Cell Biology (Cell and Molecular Signaling Pathway in tissues, Stem Cells and Cell Lines)

Developmental Biology (Sperm Analysis (Human, Rat and Mouse), Molecular Signaling Pathway in (Sperm, Embryo Implantation and Oocyte), ICSI, IVF, IVM, IVG, and ...)

Cytology (Cell Culture (Primary, Cell line and Stem Cell), Differentiation, Apoptosis, Cytotoxicity and Stability assay)

Molecular Biology (ELISA, WB, ICC, IHC, PCR, Microinjection, Electroporation, Flowcytometry and ...)

Cancer Biology (Cell lines and Animal Models)

Nanotechnology (*nanodrug* Delivery)

Published Full Journal Papers:

Papers:

1- Effects of extracellular calcium concentration on neurite outgrowth in PC12 cells by staurosporine.

Hossain Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in Neuroscience Letters

2- Possible involvement of calcium channels and plasma membrane receptors on Staurosporine-induced neurite outgrowth

Hossain Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in Bosnian Journal of Basic Medical Sciences

3- The effects of acute different concentration of morphine on neurite elongation in PC12 cells.

Hossain Zhaleh., Mohsen Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in eJournal of Biological Sciences

4- Morphine inhibits cell death in PC12 cells by activation of PI3K/Akt signal pathway

Hossain Zhaleh., Mohsen Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in eJournal of Biological Sciences

5-ROS mediated the effects of extracellular calcium on staurosporine-induced cell death

Hossain Zhaleh., Mohsen Zhaleh

Published in eJournal of Biological Sciences

6- Phosphoinositid signal pathway mediate neurite outgrowth in PC12 Cells by Staurosporine

Hossein Zhaleh., Mehri Azadbakht

Published in Bratislava Medical Journal

7- Effect of Lithium chloride on the Corpus Luteum formation and its Angiogenesis IN RAT

E. Goodarzi., A. Ahmadzadeh., H. Zhaleh., B. Zeynali

Published in General Endocrinology

8- *In vitro/in vivo* evaluation of agar nanospheres for pulmonary delivery of bupropion HCl

Jaleh Varshosaz., Mohsen Minaiyan., Mohammad Reza Zaki., Milad Fathi, Hossein Zhaleh

Published in Informa Healthcare

9-Macroanatomy of the Azygos Vein: a comparative description between Human, Dog and Sheep

Mohsen Zhaleh., Nader Goodarzi., Mohammad Mehdi Zangeneh., Akram zangeneh., Hossein Zhaleh

Published in International Journal of Medical Research and Health Sciences

10- Protective Effects of Mouse Bone Marrow Mesenchymal Stem Cell Soup on Staurosporine Induced Cell Death in PC12 and U87 Cell Lines

Hossein Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in International Journal of Medical Research & Health Sciences

11- Ethnomedicinal Plants: Study on Antifungal Activity of Essential oil of Pistacia khinjuk (Combined with the Dominance γ -Terpinene) Against Candida albicans

Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Mohammad Mahdi Zangeneh, Hossein Yazdani ,Akram Zangeneh, Majid Hajjaliani

Published in International Journal of Pharmaceutical and Clinical Research

12- Investigate a plant product as an anxiolytic agent

Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Mohammad Mahdi Zangeneh, Hossein Yazdani ,Akram Zangeneh, Majid Hajjaliani

Published in International Journal of Current Medical and Pharmaceutical Research

13- Chemical composition and screening of antibacterial activities of essential oil of pistacia khinjuk against bacillus subtilis (atcc no. 21332)

Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Mohammad Mahdi Zangeneh, Hossein Yazdani ,Akram Zangeneh, Majid Hajjaliani

Published in International Journal of Current Medical and Pharmaceutical Research

14- Ethnomedicinal Plants: In vitro antibacterial effect of essential oil of Pistacia khinjuk

Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Mohammad Mahdi Zangeneh, Hossein Yazdani ,Akram Zangeneh, Majid Hajjaliani

Published in International Journal of Scientific & Engineering Research

15-Inhibitory effects of mouse bone marrow mesenchymal stem cell soup on staurosporine-induced cell death in MCF-7 and AGS

Hossein Zhaleh., Mehri Azadbakht., Ali Bidmeshki Pour

Published in Bratislava Medical Journal

16- Effect of tranilast on morphine-induced MCF-7 cell viability and death

Vahid Farnia, Hossein Zhaleh, Mohammad Mehdi Zangeneh, Akram Zangeneh, Zhaleh Shahmoradi

Published in Online Journal of Veterinary Research

17- Effect of Hydralazine on morphine-induced MCF-7 cell death

Vahid Farnia, Hossein Zhaleh, Mohammad Mehdi Zangeneh, Akram Zangeneh, Zhaleh Shahmoradi

Published in Online Journal of Veterinary Research

18- Chemical composition and screening of antibacterial activity of essential oil of *Pistacia khinjuk* against two selected pathogenic bacteria

Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Mohammad Mahdi Zangeneh, Akram Zangeneh, Hossein Yazdani, Majid Hajjalani

Published in Annals of Tropical Medicine and Public Health

19-Nephroprotective activity of *Alyssum meniocoides* Boiss aqueous extract on streptozotocin-induced diabetic nephrotoxicity in male mice

Mohammad Mahdi Zangeneh, Akram Zangeneh, Hossein Amiri, Nassim Amiri, Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Payam Razeghi Tehrani

Published in Comparative Clinical Pathology

20-Genistein attenuates seizure-induced hippocampal brain-derived neurotrophic factor overexpression in ovariectomized rats

Mehdi Khodamoradi, Hamed Ghazvini, Saeed Esmaeili-Mahani, Kaveh Shahveisi, Vahid Farnia, Hossein Zhaleh, Nasrin Abdoli, Zeinab Akbarnejad, Hakimeh Saadati, Vahid Sheibani

Published in Journal of Chemical Neuroanatomy

21-Chemical Composition and Antibacterial Effects of Essential Oil of *Rhus coriaria* Fruits in the West of Iran (Kermanshah)

Mohsen Zhaleh, Nasrollah Sohrabi, Mohammad Mahdi Zangeneh, Akram Zangeneh, Rohallah Moradi and Hossein Zhaleh

Published in Journal of Essential Oil Bearing Plants

22- The Role of Aggression and Sleep Quality on Substance Abuse in Risky Drivers

Nasrin Abdoli, Vahid Farnia, Safora Salemi, Hossein Zhaleh, Mehdi Khodamordi, Touraj Ahmadijouybari, Sanobar Gholshani, and Mostafa Alikhani

Published in Int J High Risk Behav Addict

23- Hepatoprotective and hematoprotective effects of *Falcaria vulgaris* aqueous extract against CCl₄-induced hepatic injury in mice

Mohammad Mahdi Zangeneh, Akram Zangeneh, Reza Tahvilian, Rohallah Moradi, Hossein Zhaleh, Amir Amiri-Paryan and Erfan Bahrami

Published in Comparative Clinical Pathology

24- Synthesis of poly (amidoamine) (PAMAM) dendrimer-based chitosan for targeted drug delivery and cell therapy

Leila Sofi Maryo1, Nahid Haghazari, Fatemeh Keshavarzi, hossein Zhaleh, Farzad Seidi

Published in J Bas Res Med Sci

25- Synthesis, characterization, cytotoxicity and DNA binding studies of Fe₃O₄@SiO₂

nanoparticles coated by an antiviral drug lamivudine

Nahid Shahabadi, Aref Khorshidi, Hossein Zhaleh, Soheila Kashanian

Published in Journal of Drug Delivery Science and Technology

26-Effect of Pentoxifylline on Staurosporine-Induced Neurite Elongation in PC12 Cells

L Diojan, H Zhaleh, M Azadbakht, A Bidmeshkipour, E Khodamoradi

Published in Asian Pacific Journal of Cancer Prevention

27-Effects of low-dose morphine suppress methamphetamine-induced cell death by inhibiting the ROS generation and caspase-3 activity.

K Amini, H Zhaleh, R Tahvilian

Published in Bratislavskélekarškelisty

28- Signal Transduction of Improving Effects of Ibutilast on Methamphetamine Induced Cell Death

R Tahvilian, K Amini, H Zhaleh

Published in Asian Pacific Journal of Cancer Prevention

29-Low concentration of morphine protects against cell death, oxidative stress and calcium accumulation by nicotine in PC12 cells.

K Amini, H Zhaleh, R Tahvilian, V Farnia

Published in Bratislavskélekarškelisty

30-The effect of *Descurainiasophia* oil on methamphetamine-induced cell cytotoxicity and cell death in PC12

M Sahraei, M Khanahmadi, R Moradi, N Kazemi, Hossein Zhaleh

Published in Comparative Clinical Pathology

31-Increasing the anticancer activity of azidothymidine toward the breast cancer via rational design of magnetic drug carrier based on molecular imprinting technology

A Hassanpour, H Zhaleh, M Irandoust, E Soleimani

Published in Materials Science and Engineering:C

32-Antiproliferative effects of new magnetic pH-responsive drug delivery system composed of Fe₃O₄, CaAl layered double hydroxide and levodopa on melanoma cancer cells

N Shahabadi, M Razlansari, H Zhaleh, K Mansouri

Published in Materials Science and Engineering: C

33-Spectrophotometric and physicochemical studies on the interaction of a new platinum (IV) complex containing the drug pregabalin with calf thymus DNA

N Shahabadi, S Amiri, H Zhaleh

Published in Journal of Coordination Chemistry

34-Folic acid receptor-targeted solid lipid nanoparticles to enhance cytotoxicity of letrozole through induction of caspase-3 dependent-apoptosis for breast cancer treatment

A Yassemi, S Kashanian, H Zhaleh

Published in Pharmaceutical Development and Technology

35-Carbon dots; the smallest photoresponsive structure of carbon in advanced drug targeting

AA Ridha, P Pakravan, AH Azandaryani, H Zhaleh

Published in Journal of Drug Delivery Science and Technology

36-Healing and cytotoxicity potentials of ointment containing aqueous extract of *Anethumgraveolens* on cutaneous wounds in male rats

S Goorani, MK Koochi, MM Zangeneh, N Seydi, H Zhaleh, P Zid-Abdi,

Published in Comparative Clinical Pathology

37-Antioxidant, cytotoxic, and wound healing effects of *Allium saralicum* R.M. Fritsch aqueous extract ointment in male rats

M Zhaleh, MM Zangeneh, A Zangeneh, R Moradi, H Zhaleh

Published in Comparative Clinical Pathology

38-effect of *Vigna radiata*, *Tamarix ramosissima* and *Carthamus lanatus* extracts on *Leishmania major* and *Leishmania tropica*: an in vitro study

A Akya, RC Lorestani, H Zhaleh, FN Zargaran, k Ghadiri, M Rostamian

Published in Chinese Herbal Medicines

39-Low concentrations of morphine enhanced the neuroglia-like differentiation

Zhaleh H, Azadbakht M, Bidmeshki Pour A

Published in Bratislavskelekarshelisky

40-Low concentrations of methamphetamine can suppress inflammation in trophoblast JEG-3 cell line induced by nicotine

Zhaleh H ,Amer Ridha A, Amini K

Published in Bratisl Med J

41-Mesenchymal stem cell condition medium enhanced cell viability in morphine-treated cells

Zhaleh H, Bidmeshki Pour A, Azadbakht M

Published in Croatian Medical Journal

42-Mesenchymal stem cell condition medium enhanced cell viability in morphine-treated cells

Zhaleh H, Bidmeshki Pour A, Azadbakht M

Published in Bratislavskelekarshelisky

43-Chemical characterization of *Punicagranatum* seed essential oil and investigation of its effects as a natural antioxidant on methadone-induced cell death

Zhaleh H, Bidmeshki Pour A, Azadbakht M

Published in Asian Pacific Journal of Cancer Prevention

45-Chemical characterization and suppressor potent of *Juglansregia* essential oil on tramadol-induced cell death

M Sahraei, Hossein Zhaleh, M Khanahmadi, R Moradi, N Kazemi

Published in Essential Oil journal of Plant Bearing

46- Investigation of controlled release properties and anticancer effect of Folic acid conjugated magnetic core-shell nanoparticles as a dual responsive drug delivery system on A-549 and A-431 cancer cell lines

Shahabadi N, Zhaleh H, Razlansari M, Khoeshidi A

Published in Research on Chemical Intermediates

47-Enhanced Intracellular Delivery of Curcumin by Chitosan-Lipoic Acid as Reduction-Responsive Nanoparticles

S Rezaei, S Kashanian, Y Bahrami, H Zhaleh, LJ Cruz

Published in Current pharmaceutical biotechnology

49- **A promising dual-targeted drug delivery system in cancer therapy: nanocomplexes of folate-Apoferritin conjugated cationic solid lipid nanoparticles**
Abbas Amer Ridha, Hossein Zhaleh, Soheila Kashanian, Ronak Rafipour, Abbas Hemati Azandaryani and Elahe Mahdavian

Published in Pharmaceutical Development and Technology

50-Bitter Almond essential oil suppressed apoptosis of morphine via inhibition of inflammatory cytokines

Published in Oriental Pharmacy & Experimental Medicine

51-Investigation of Punica granatum oil effects, as a natural antioxidant, on methadone-induced cell death

Published in Asian Pacific Journal of Cancer Prevention

52- اثر غلظت‌های مختلف مورفین بر فرا رشد نوریتی القا شده توسط استوروسپورین در سلول‌های PC12
حسین ژاله، مه‌ری آزادبخت، علی بیدمشکی پور، سید محمد امین حرمشاهی، موسی کهتری
چاپ شده در مجله علوم تشریح ایران

53- بررسی اثر محافظتی مورفین بر مرگ سلولی القا شده در سلول‌های PC12 در شرایط کشت بدون سرم
حسین ژاله، دکتر علی بیدمشکی پور، دکتر مه‌ری آزادبخت، محمد امین حرمشاهی
چاپ شده در مجله علمی دانشگاه علوم پزشکی بابل

54- نقش حفاظتی غلظت‌های پایین مورفین بر اثرات مرگ سلولی القا شده دگزامتازون در سلول‌های تمایز
یافته PC12

سعید نجمی نژاد، حسین ژاله، دکتر مه‌ری آزادبخت، محمد امین حرمشاهی
چاپ شده در مجله علمی دانشگاه علوم پزشکی بابل

Final Revised Papers:

1-Effect of atorvastatin-conjugated nanotubes on U87 cell lines cell cytotoxicity-induced by meth-amphetamine

Sara Nikeafshar; Hossein Zhaleh; Reza Tahvilian, Ardeshir khazaei
European Journal of Pharmaceutical Sciences

2-Atorvastatin-conjugated carbon nanotubes Suppress Cytotoxicity and Cell death of Morphine in Glioblastoma Cell

Sara Nikeafshar; HosseinZhaleh; Reza Tahvilian, Ardeshir khazaei
Toxicology in Vitro

3-The role of Phosphodiesterase Inhibitor; cAMP Signal Pathway during Suppress the Sigma and Dopamine Receptor in Neural Cell Death of Methamphetamine

Kambiz Varmira; Hossein Zhaleh; Reza Tahvilian
Toxicology in Vitro

4- Effects of Pentoxifylline (PTX) as phosphodiesterase inhibitor suppressed the cell cytotoxicity and inflammatory effects of methamphetamine

Hossein Zhaleh, Komail Amini, Reza Tahvilian
Final revised in CMJ

5- Study of the role of sigma-1 receptors in methamphetamine induced cell cytotoxicity

Final revised in Toxicology in Vitro

Abstract in Congress:

1- Anneh Mohammad Gharavi., Rostam Ghorbani., Mohsen Zhaleh, Hossein Zhaleh.
De-waxing and hydration of paraffin sections only by water. 4th Asian-pacific
International Congress of Anatomists. (APICA) 7-10 September 2005, Kusadasi, Turkey

- 2-Rostam Ghorbani, Anneh Mohammed Gharravi, Mohsen Zhaleh, Hossain Zhaleh, Maryam Yadegari, Gholam Hossein Raj abi. Elimination of xylem from tissue processing. 4th Asian-Pacific International Congress of Anatomists (APICA) 7-10 September 2005, Kusadasi, Turkey
- 3-Mohsen Zhaleh., Rostam Ghorbani., Hossain Zhaleh. Comparative study of effects of two types of chronic morphine administration (S.c injection & oral) on hippocampal CA1 pyramidal neurons in male rats. First International Iranian congress on biological science, 14,15 December 2005, Karaj, Iran
- 5- Zhaleh M., Ghorbani R., Pourmotabbed A., Zhaleh H. Effects of morphine dependency by two methods (oral and injection) on numbers and density of granular cells of dentate gyros in male rats hippocampus. 7th Iranian congress of anatomical sciences. Kashan university of medical science. 10-12 may 2006
- 6- Zhaleh M., Ghorbani R., Zhaleh H. Effects of morphine dependency on serum level of testosterone and testes weight in male rat. 7th Iranian congress of anatomical sciences. Kashan university of medical science. 10-12 may 2006
- 7- Zhaleh Hossein, Yousofvand Namdar, Yarani Reaza, Rashidi Zahra. Antioxidant enzymes gene expression during aging in rat brain. 19th Iranian congress of physiology and pharmacology. Shahid beheshti university of medical sciences. 3-6 Nov 2009.
- 8- Zhaleh Hossein, Yousofvand Namdar, Yarani Reaza, Rashidi Zahra. Apoptosis – related gene expression during aging in rat brain. 19th Iranian congress of physiology and pharmacology. Shahid beheshti university of medical sciences. 3-6 Nov 2009.
- 9- Zhaleh Hossein, Yousofvand Namdar, Saeid Dezfuli nejad, Fereidun Yavari, Yarani Reaza, Rashidi Zahra. Study of variation of trace elements in serum of rat during aging. Kerman university of medical sciences. Jan 2010.
- 10- Hossein Zhaleh, Azadbakht Mehri, Bidmeshki Pour Ali. Prolonged Low concentrations of morphine application Protects PC12 Cells against serum Deprivation induced-cell injury. 1th Iranian congress of Neurosciences. Glestan university of medical sciences. Feb 2011.
- 11- Hossein Zhaleh, Azadbakht Mehri, Bidmeshki Pour Ali. The role of phosphoinositid pathway in Staurosporine induced neurite outgrowth in PC12 cells. 1th Iranian congress of Neurosciences. Glestan university of medical sciences. Feb 2011.
- 12- Hossein Zhaleh, Azadbakht Mehri, Bidmeshki Pour Ali. Effects of acute different concentrations of morphine on effects of staurosporine on neurite outgrowth and cell death in PC12 cells. 1th Iranian congress of Neurosciences. Glestan university of medical sciences. Feb 2011.
- 13- Hossein Zhaleh, Azadbakht Mehri, Bidmeshki Pour Ali. Effects of extracellular calcium concentration on neurite outgrowth in PC12 cells by staurosporine. 1th Iranian congress of Neurosciences. Glestan university of medical sciences. Feb 2011.
- 14- Zahra Bashiri , Mehri Azadbakht, Hossein Zhaleh, Morteza Najafi Mehr. Parthenogenetic Activation of Mouse Oocyte Using Calcium Ionophore in The Presence of Different Concentrations of Extracellular Calcium. Royan International Twin Congress 13th Congress on Reproductive Biomedicine 5-7 September 2012.
- 15- Azade Goodarzashti, Mehri Azadbakht, Hossein Zhaleh, Mahsa Pourmoradi. Effect of Pentoxifylline in the Presence of Staurosporine on Neuronal Differentiation in Mouse Bone Marrow Mesenchymal Stem Cells. Royan International Twin Congress 13th Congress on Reproductive Biomedicine 5-7 September 2013.

- 16- Azade Goodarzashti, Mehri Azadbakht, Hossein Zhaleh, Mahsa Pourmoradi. Effect of Pentoxifylline in the Presence of Staurosporine on Mouse Bone Marrow Mesenchymal Stem Cells. Royan International Twin Congress 13th Congress on Reproductive Biomedicine 5-7 September 2013.
- 17- Fateme Javanmar, Mehri Azadbakht, Hossein Zhaleh. Effect of hydrostatic pressure in the Presence of Staurosporine on neurite outgrowth in Mouse Bone Marrow Mesenchymal Stem Cells. Royan International Twin Congress 13th Congress on Reproductive Biomedicine 5-7 September 2013.
- 18- Fateme Javanmar, Mehri Azadbakht, Hossein Zhaleh. Effect of hydrostatic pressure in the Presence of Staurosporine on Mouse Bone Marrow Mesenchymal Stem Cells. Royan International Twin Congress 13th Congress on Reproductive Biomedicine 5-7 September 2013.
- 19- In vitro antibacterial activity of essential oil of *Pistaciakhinjuk* (Combined with the dominance γ -terpinene) on *Escherichia coli* O157:H7. Reza Tahvilian., Rohallah Moradi., Hossein Zhaleh., Mohammad Mahdi Zangeneh., Akram Zangeneh., Hossein Yazdani., Majid Hajjaliani
The 17th International and Iranian Congress of Microbiology.
- 20- Ethnomedicinal Plants: Evaluation of antibacterial effect of essential oil of *Pistaciakhinjuk* (Combined with the dominance γ -terpinene) on *Staphylococcus aureus*. Reza Tahvilian., Rohallah Moradi., Hossein Zhaleh., Mohammad Mahdi Zangeneh., Akram Zangeneh., Hossein Yazdani., Majid Hajjaliani
The 17th International and Iranian Congress of Microbiology.
- 21- Chemical composition and in vitro antibacterial effect of essential oil of *Pistaciakhinjuk* (Combined with the dominance γ -terpinene) on *Pseudomonas aeruginosa*. Reza Tahvilian., Rohallah Moradi., Hossein Zhaleh., Mohammad Mahdi Zangeneh., Akram Zangeneh., Hossein Yazdani., Majid Hajjaliani
The First National Avesina Congress Herbs and Medicine of Avesina.
- 22- Ethnomedicinal Plants: Screening of in vitro antibacterial effect of essential oil of *Pistaciakhinjuk* (Combined with the dominance γ -terpinene) on *Bacillus subtilis*. Reza Tahvilian., Rohallah Moradi., Hossein Zhaleh., Mohammad Mahdi Zangeneh., Akram Zangeneh., Hossein Yazdani., Majid Hajjaliani
The First National Avesina Congress Herbs and Medicine of Avesina.
- 23- Comparison of reaction time in methamphetamine users with normal drivers
Vahid Farnia, Mehdi Khodamoradi, Nasrin Abdoli, Hania Shahandeh, Hossein Zhaleh, Saiedeh Bahrampoori, Saiedeh Bahrampoori
11th annual international addiction science congress, tehran, iran . 2017
- 24- Difference in memory performance in substance abusers, leaving, with ordinary people
Hossein Zhaleh, Mehdi Khodamoradi, Nasrin Abdoli, Fariba Uosafi, Afsar Mehrannia, Saiedeh Bahrampoori
11th annual international addiction science congress, tehran, iran . 2017
- 25- effects of low concentrations of nicotine on staurosporine-induced neurite outgrowth in pc12 cells
vahid farnia, Hossein Zhaleh, zhaleh shahmoradi, reza tahvilian
11th annual international addiction science congress, tehran, iran . 2017
- 26- effects of dextromethorphan on nicotine -induced cell death in mcf-7 cells
vahid farnia, hossein zhaleh, reza tahvilian, zhaleh shahmoradi
11th annual international addiction science congress, tehran, iran . 2017

27-mouse bone marrow mesenchymal stem cell soup inhibited the cell death in pc12 cells by morphine

Hossein Zhaleh, Ali Bidmeshki Pour, Mehri Azadbakht

11th annual international addiction science congress, tehran, iran . 2017

28- The effect of descurainia sophia oil on induced cell cytotoxicity and cell death in pc12

13th annual international addiction science congress, tehran, iran . 2017

29-Evaluation of antiapoptotic and protective effects of juglans regia essential oil on the treatment of tramadol in pc12 cells

13th annual international addiction science congress, tehran, iran . 2017

30-The effect material (prunus amygdalus var amara) and different oil concentrations on morphine induced cell death in pc12

13th annual international addiction science congress, tehran, iran . 2017

31-Effect of pentoxifylline inhibits the sigma receptor, oxidative stress, calcium influx and mitochondrial dysfunction and suppress cell death induce by methamphetamine

13th annual international addiction science congress, tehran, iran . 2017

32-Signal transduction of improving effects of ibudilast on methamphetamine induced cell death

13th annual international addiction science congress, tehran, iran . 2017

33-The effect essential oil of the nigella sativa on nicotine induced cell death in pc12

13th annual international addiction science congress, tehran, iran . 2017

Honors and Awards

Top B.Sc student of Biology Department, Razi University, 2008.

Top M.Sc student of Cell and Molecular Biology, Razi University, 2011.

Top Ph.D student of Cell and Molecular Biology, Razi University, 2016.

Top Researcher of SAPRC of Kermanshah Unuversity of Medical Sciences, 2019

Abstract in Persian Congress:

1- تاثیر وابستگی به مورفین بر سطح سرمی گونادوتروپین ها و وزن بیضه در موشهای صحرایی نر. محسن ژاله، رستم قربانی، محسن امامی آل آقا، علی پورمتعب، حسین ژاله. هفدهمین کنگره فیزیولوژی و فارماکولوژی. کرمان-ایران. 9-12 مهر 1384

2- بررسی مقایسه ای تاثیر تجویز مورفین به دو روش مزمن تزریقی زیرجلدی و خوراکی بر تعداد سلولهای پیرامیدال ناحیه CA1 هیپوکامپ موشهای صحرایی نر. محسن ژاله، رستم قربانی، علی پور متعب، پرویز غفاری، ارشاد ندائی، حسین ژاله. اولین همایش بین المللی علوم زیستی. دانشگاه آزاد اسلامی ایران - کرج. 1384

3- تاثیر وابستگی به مورفین به دو روش تجویز طولانی مدت (تزریقی و خوراکی) بر تعداد و تراکم سلولهای گرانولار شکنج دندانیه ای در هیپوکامپ موشهای صحرایی نر. محسن ژاله، رستم قربانی، علی پورمتعب، حسین ژاله، ارشاد ندائی. هفتمین کنگره بین المللی علوم تشریحی ایران. دانشگاه علوم پزشکی کاشان. 10-12 اردیبهشت 1386

4- تاثیر وابستگی به مورفین بر سطح سرمی تستوسترون و وزن بیضه در موشهای صحرایی نر. محسن ژاله، رستم قربانی، محسن امامی ال آقا، علی پورمتعبد، حسین ژاله. هفتمین کنگره بین المللی علوم تشریحی ایران. دانشگاه علوم پزشکی کاشان. 10-12 اردیبهشت 1386

5- بررسی تاثیر پیری بر بیان ژنهای آنزیم های آنتی اکسیدانی در بافت مغزی موش صحرایی. حسین ژاله، رضا یارانی، نامدار یوسف وند، زهرا رشیدی. نوزدهمین کنگره بین المللی فیزیولوژی و فارماکولوژی ایران. دانشگاه شهید بهشتی. 12-15 آبان 1388

6- بررسی تاثیر پیری بر تغییرات بیان ژنهای آپوپتوتیکی در بافت مغزی موش صحرایی. حسین ژاله، رضا یارانی، نامدار یوسف وند، زهرا رشیدی. نوزدهمین کنگره بین المللی فیزیولوژی و فارماکولوژی ایران. دانشگاه شهید بهشتی. 12-15 آبان 1388

7- مطالعه تغییرات عناصر کمیاب در سرم موش صحرایی طی روند پیری. حسین ژاله، سعید دزفولی نژاد، فریدون باوری، رضا یارانی، نامدار یوسف وند. دومین کنگره بین المللی عناصر کمیاب ایران. دانشگاه علوم پزشکی کرمان. زمستان 1388

8- مقایسه روش های مختلف رنگامیزی (acridin orange, propodium iodide, Hoechst and ethidium bromide) جهت ارزیابی میزان بقای سلول های جزایر پانکراس جدا شده از موش نر نژاد Balb/C. رستم قربانی، کامران منصوری، مریم شیاپی، میترا بختیاری، حسین ژاله. نهمین کنگره سراسری علوم تشریح ایران. 7-4 خرداد 1389.

9- بررسی اثر غلظت های مختلف مورفین بر طول شدن نوریته ها در سلول های PC12. حسین ژاله، علی بیدمشکی پور، مهری آزادبخت. نهمین کنگره سراسری علوم تشریح ایران. 7-4 خرداد 1389.

10- بررسی اثر مهارى مدت مورفین بر اثرات مرگ سلولى القا شده توسط شرایط بدون سرم در سلول های PC12. حسین ژاله، علی بیدمشکی پور، مهری آزادبخت. اولین کنگره سراسری علوم اعصاب ایران. بهمن 1389.

11- بررسی اثر های مختلف مورفین بر اثرات رشد نوریته و مرگ سلولى القا شده توسط استنوروسپورین در سلول های PC12. حسین ژاله، علی بیدمشکی پور، مهری آزادبخت. اولین کنگره سراسری علوم اعصاب ایران. بهمن 1389.

12- نقش مسیر فسفواينوزيتيد فسفات در القا رشد نوریته توسط استنوروسپورین در سلول های PC12. حسین ژاله، علی بیدمشکی پور، مهری آزادبخت. اولین کنگره سراسری علوم اعصاب ایران. بهمن 1389.

13- نقش یون کلسیم خارج سلولى در القا رشد نوریته توسط استنوروسپورین در سلول های PC12. حسین ژاله، علی بیدمشکی پور، مهری آزادبخت. اولین کنگره سراسری علوم اعصاب ایران. بهمن 1389.

Thesis as Supervisor and Adviser:

MSc:

1. Effects of nanocaffein on morphine induced cell death in U87 cells by morphine-2018
2. Effects of nanocaffein on staurosporine induced cell death in U87 cells -2018
3. Effects of nanocaffein on methamphetamine induced cell death in U87 cells -2018
4. Effects of nanocaffein on nicotine induced cell death in U87 cells -2018
5. Effects of Punica granatum essential oil on methadone induced cell death in PC12 cells -2020
6. Effects of Nigella sativa essential oil on nicotine induced cell death in PC12 cells -2019
7. Effects of Prunus amygdalus var amara essential oil on morphine induced cell death in PC12 cells -2019

8. Effects of Descurainia sophia essential oil on methamphetamine induced cell death in PC12 cells -2019
9. Effects of Juglans regia essential oil on tramadole induced cell death in PC12 cells - 2020
10. Inhibitory effects of Amilophylline and IBMX on morphine induced cell death in neural cells -2019
11. Improvement effects of teophylline and teobromine on methamphetamine induced cell death in neural cells -2019
12. Inhibitory effects of levostatine on methamphetamine and morphine induced cell death in neural cells -2019

PhD:

1. Connection of atorvastatin medicine to carbon nanotubes and evaluation of their effects on mortality of cells affected by morphine and amphetamine- 2020
2. Effects of morphine-loaded molecularly imprinted polymer (MIP) nanocarriers on staurosporine-induced neurite elongation in PC12 cells-2020

Research Projects:

1. Purification and differentiation of Skin stem cells into neuronal cells.
دانشگاه علوم پزشکی کرمانشاه، مرکز تحقیقات دانشکده داروسازی (خاتمه یافته)
2. Purification and transplantation of pancreatic cells after death. 2009-2010
دانشگاه علوم پزشکی کرمانشاه، مرکز تحقیقات دانشکده داروسازی (خاتمه یافته)
3. *In vitro/in vivo* evaluation of agar nanospheres for pulmonary delivery of bupropion HCl. 2013-2014

4- اثر سین ژیسیمی کورکومین با کروسین در کاهش پاسخ های التهابی در موش صحرایی آترونی

5- بررسی فعالیت ضد سرطانی داروی جنیپین بارگذاری شده با نانوذرات لیپوزوم

6-تهیه ی نانو ذرات لیپیدی جامد پوشش داده شده با پلیمر N- تری متیل کیتوسان به منظور انتقال خوراکی همزمان داروهای دوستاکسل و کورکومین برای درمان سرطان پستان

7- سنتز نانوذرات زیست سازگار و زیست تجزیه پذیر Fe₃O₄@Gel برای انتقال داروی های مورفین و ترامادول

8- آیا یک الکتروود دیسک کربنی می تواند به عنوان یک وسیله جهت اندازه گیری همزمان اولئیک اسید و لینولئیک اسید به منظور آنالیز روغن ها مورد استفاده واقع شود؟

9-الکتروشیمی در ترکیب با روش های سخت و نرم مدلینگ کمومتری برای بررسی اثرات بازداری نارینجین بر روی سینتوکروم P450

10- بررسی فعالیت ضد سرطانی ترکیب عسل و زنجبیل در حالت (مقیاس) بالک و نانو روی سلولهای سرطانی مختلف انسانی

11- سنتز، شناسایی و بررسی رهایش هدفمند وابسته به pH داروی ترانیلاست در نانوحامل-های مغناطیسی حاوی ال-سیستئین به همراه نانوذرات روی و بررسی عملکرد آن در سلول های SH-SY5Y و PC12

12- سنتز، شناسایی و بررسی رهایش هدفمند مورفین در نانوحامل-های مغناطیسی هوشمند Fe₃O₄@Glu
MOF-Cu@morphine و بررسی عملکرد آن در سلول های عصبی PC12

13- بررسی اثر سوپ روی سلول های بنیادی مزانشیمی مغز استخوان موش بر مرگ سلولی القا شده توسط داروی مت آمفتامین در سلول های رده سلولی PC12

14- بررسی اثر داروی ایبوپروکسین بر مهار سیگنال مرگ سلولی القا شده توسط داروی مت آمفتامین در سلول های عصبی رده سلولی PC12

15- بررسی اثرات نانو حامل های مولکولی قالبگیری شده حاوی مورفین بر فرا رشد نوریتی القا شده توسط استوروسپورین در سلول های رده PC12

16- مطالعه برون تنی (in vitro) اثر عصاره سه گیاه گز، ماش و خار زرد روی لیشمانیا ماژور و لیشمانیا تروپیکا

17- بررسی اثر پماد عصاره های آبی گیاه سورانه و جفت گیاه بلوط به صورت مستقل از هم، بر روند ترمیم زخم در موش های صحرائی نر

18- بررسی اثر فعالیت های التهابی غلظت های مختلف مت آمفتامین بر سلول های شبه عصبی رده سلولی PC12

19- تهیه و فرمولاسیون داروی ضد سرطانی ZHYP-TAMZ
معاونت علمی و فناوری ریاست جمهوری (تصویب شده)

20- ثبت اختراع داروی ضد سرطان ZHYP-TAMZ