



Ali Shahraki

Associate Professor

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Education

- ✓ MS, Veterinary medicine, Shiraz University - 1993
- ✓ PhD, Pharmacology, University of Glasgow, UK - 2004

Courses

- | | |
|-------------------------------------|---|
| 1. Animal Physiology 3 | 2. IUHO |
| 3. Animal Physiology 1 | 4. Medicinal Chemistry |
| 5. Animal Physiology 2 | 6. Animal Physiology |
| 7. Biochemistry of hormones | 8. Biology texts (ESP) |
| 9. Animal Physiology Lab 1 | 10. The mechanism of blood cell formation |
| 11. ass | 12. Biochemistry 2 |
| 13. Principles of Anymal Physiology | 14. Cell Physiology |

Master Thesis

1. The effect of *Seidlizia rosmarinus* against amyloid fibril formation if alpha- lactalbumin in the presence of dextran

[Arezou Ghahghaei, Ali Shahraki]

نیمسال اول سال تحصیلی 95-96

2. Hepatoprotective effects of aqueous extract of *Levisticum officinale* on paraquat induced hepatotoxicity in rats

[Ali Shahraki,]

نیمسال اول سال تحصیلی 95-94

3. The effetc of arginine on the chaperone activity of glycerol in preventing of the amyloid fibrils formation of k-casein in the presence of dextran

[Ali Shahraki, Arezou Ghahghaei,]

نیمسال اول سال تحصیلی 95-94

4. Cloning, expression, purification and biophysica - chemical characterization of protein - disulfide isomerase from *bacillus subtilis* DR8806

[Ali Shahraki, Milad Lagzian,]

نیمسال اول سال تحصیلی 95-94

5. Effect of *Cardaria draba* L. on blood glucose level in rats

[Ali Shahraki,]

نیمسال اول سال تحصیلی 93-94

6. Neuroprotective effect of alcoholic extract of *Levisticum officinale* on alpha motoneurons degeneration after sciatic nerve compression in male rats

[Ali Shahraki]

نیمسال اول سال تحصیلی 93-94

7. Survey on the neuroprotective effects of aquatic extract of *Artemisia* on motoneuron degeneration of spinal cord ventral horn after sciatic nerve injury

[Ali Shahraki]

نیمسال اول سال تحصیلی 93-94

8. Neuroprotective effect of aquatic extract of *Levisticum officinale* on motoneurons degeneration of spinal cord ventral horn after sciatic nerve compression

[Ali Shahraki]

نیمسال اول سال تحصیلی 93-94

9. The effects of hydroacoholic extract of *Albizia lebbeck* seeds on spermatogenic activity of male Wistar rats

[Ali Shahraki]

نیمسال دوم سال تحصیلی 92-93

10. Spermatogenic activity of hydroalcoholic extract of *Caesalpinia bonducella* flamingo in adult male rat

[Ali Shahraki, Valizadeh Jafar]

نیمسال دوم سال تحصیلی 92-93

11. The effects of alcoholic extract of *Levisticum officinale* on spermatogenic activity of male rats

[Ali Shahraki, Arezou Ghahghaei]

نیمسال اول سال تحصیلی 92-93

12. The neuroprotective effects of alecoholie extract of *Achillea millefolium* on alfa motoneurons degeneration after sciatic nerve coppetration in male rats

عباس شهرکی, [Ali Shahraki, Nasim Naeimi]

نیمسال اول سال تحصیلی 92-93

13. the neuroprotective effects of alchoholic extract of *Achillea willhelmsii* on alfa motoneourons degeneration after sciatic nerve comprration in male rats

رسول دیانی فر, [Ali Shahraki, Valizadeh Jafar]

نیمسال اول سال تحصیلی 92-93

14. Survey on analgesic and anti-inflammatory effects of hydroalcoholic extract of *cardia draba* L. seeds

الهه شهرکی, [Ali Shahraki]

نیمسال اول سال تحصیلی 92-93

15. the neuroprotective effects of aquatic extract of *Achillea willhelmsii* on alfa motoneourons degeneration after sciatic nerve comprration in male rats

مهدی قاسمی, [Ali Shahraki]

نیمسال دوم سال تحصیلی 91-92

16. the neuroprotective effects of aquatic extract of *Achillea millefolium* on alfa motoneourons degeneration after sciatic nerve comprration in male rats

عزیزالرحمان رضازهی, [Ali Shahraki]

نیمسال دوم سال تحصیلی 91-92

17. Evaluation of the effects of *Malva parviflora* alcoholic extract on avoidance memory retention in step-through in mice

جلیل افشار, [Ali Shahraki]

نیمسال دوم سال تحصیلی 91-92

18. Effect of *Achillea wilhelmsii* hydroalcoholic extract on enzyme phosphodiesterase 5 gene expression and its role in induce apoptosis/proliferation MCF-7 cancer cell line

جلیل افشار, [Ali Shahraki]

نیمسال اول سال تحصیلی 91-92

19. Survey on the changes of serum level of interlukin-9 and interlukin-12 in schizphrenic patients versus healthy controls

صلاح حاجی نژاد, [Ali Shahraki, Dor Mohammad Kordi Tamandani]

نیمسال اول سال تحصیلی 91-92

20. Assessment of promotor methylation of miR-185 and miR-132 in patients with congenital factor XIII deficiency

زهره رضائی, [Dor Mohammad Kordi Tamandani, Ali Shahraki]

نیمسال اول سال تحصیلی 91-92

21. The effects of aqueous extract of *Levisticum officinale* on spermatogenesis in adult male rats

نسیم جاودان, [Ali Shahraki]

نیمسال اول سال تحصیلی 91-92

22. Spermatogenic activity of hydroalcoholic extract of *aloe vera* in adult male rat

علی شهرکی مجاهد, [Ali Shahraki]

نیمسال اول سال تحصیلی 91-92

23. Survey on IL-17A and IL-21 changes in schizophrenic patients versus healthy control subjects

[Ali Shahraki, Dor Mohammad Kordi Tamandani], سیدعلی میراسماعیلی مزرعه اخوندی

نیمسال اول سال تحصیلی 91-92

24. Serum level changes of interlukine-33 and interlukin-27 in polymyositis and dermatomyositis patients versus control group

[Ali Shahraki,], سمانه خزاعی اصل

نیمسال اول سال تحصیلی 91-92

25. survey on IL-17 and IL-27 serum changes in polymyositis and dermatomyositis patients versus healthy subjects

[Ali Shahraki, Arezou Ghahghaei], سعیده یدالهی فر

نیمسال اول سال تحصیلی 91-92

26. The effect of Hofmeister salts on the chaproning action of the beta- cazein

[Arezou Ghahghaei, Ali Shahraki], سمانه مسلطپور

نیمسال اول سال تحصیلی 91-92

27. Serum level changes of interlukin-27 and interlukin-33 in polymyositis and dermatomyositis patients versus control group

[Ali Shahraki,], گلاره شهریار

نیمسال اول سال تحصیلی 91-92

28. The effects of small molecules on the order and disorder aggregation of protein

[Arezou Ghahghaei, Ali Shahraki], اکرم کارفرما

نیمسال اول سال تحصیلی 90-91

29. Interlukin-33 and interlukion-23 changes in Rheumatoid arthritis patients

[Ali Shahraki, Arezou Ghahghaei], مهدیه حسینیان

نیمسال اول سال تحصیلی 90-91

30. interlukin-10 and interlukin-18 changes in schizophrenic patients versus healthy controls

[Ali Shahraki, Dor Mohammad Kordi Tamandani], شیرکو امینی

نیمسال اول سال تحصیلی 90-91

31. Analysis of hypermethylation and expression of dopamine receptors gene in schizophrenic patients

[Dor Mohammad Kordi Tamandani, , Ali Shahraki], رویا صحرانورد

نیمسال اول سال تحصیلی 89-90

32. The effect of molecular chaperone on protein aggregation

[Arezou Ghahghaei, Ali Shahraki,], فرزاد رحمانی عسگرآباد

نیمسال اول سال تحصیلی 88-89

Journals Papers

2021

1. Activation of L-type calcium channels and attenuation of oxidative stress are involved in the improving effect of methyl jasmonate on learning and memory and its anxiolytic property in rats

Tahereh Hemati, Mehdi Abbasnejad, Mahtab Mollashahi, Saeed Esmaeili-Mahani, Ali Shahraki

BEHAVIOURAL PHARMACOLOGY Volume: (32) 286 - 294

2020

2. A Survey of the Effects of Diosmin on Learning and Memory Following the Use of Paraquat Herbicide Poisoning in a Model of Rats

Mohammad Ali Mirshekar, Somayeh Miri, Ali Shahraki

Shiraz E Medical Journal Volume: (21) E94143-1 - E94143-7

2019

3. Hydroalcoholic Extract of *Levisticum officinale* Increases cGMP Signaling Pathway by Down-Regulating PDE5 Expression and Induction of Apoptosis in MCF-7 and MDA-MB-468 Breast Cancer Cell Lines

Marzieh Lotfian Sargazi, Ramin Saravani, Ali Shahraki

Iranian Biomedical Journal Volume: (23) 280 - 286

2018

4. A Thermostable Alkaliphilic Protein-Disulfide Isomerase from *Bacillus subtilis* DR8806 Cloning Expression Biochemical Characterization and Molecular Dynamics Simulation

Milad Lagzian, Ali Shahraki, ,

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: (107) 703 - 712

5. Neuroprotective effects of alchoholic extract of *Artemisia herba-alba* on degeneration of alpha motoneurons of spinal cord ventral horn after sciatic nerve compression in rat

Mehran Sharifi, Ali Shahraki

Volume: (24) 263 - 272

2017

6. Inhibition of Phosphodiesterase 5 and Increasing the Level of Cyclic Guanosine 3,5 Monophosphate by Hydroalcoholic *Achillea wilhelmsii* C. Koch Extract in Human Breast Cancer Cell Lines MCF-7 and MDA-Mb-468

, , Ali Shahraki

Breast Cancer: Basic and Clinical Research Volume: (11) 1 - 7

7. The hepatoprotective effects of aquatic extract of *Levisticum officinale* against paraquat hepatocyte toxicity

, Ali Shahraki,

Pakistan Journal of Pharmaceutical Sciences Volume: (30) 2363 - 2368

8. A thermostable alkaliphilic protein-disulfide isomerase from *Bacillus subtilis* DR8806: cloning, expression, biochemical characterization and molecular dynamics simulation

, Ali Shahraki, ,

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: (17) 33371 - 33378

2016

9. effect of alcoholic extract of *Achillea wilhelmsii* on density of motor neurons of spinal cord after sciatic nerve compression in male rats

Ali Shahraki,

Volume: (18) 21 - 27

10. Investigation on Serum Levels of Interleukin-18 and Interleukin-6 in Patients With Dermatomyositis and Polymyositis

, Ali Shahraki,

Shiraz E Medical Journal Volume: (17) -

11. Elevated serum interleukin-23 and interleukin-6 levels in schizophrenic patients compared to those in healthy controls

Ali Shahraki, , ,

Shiraz E Medical Journal Volume: (17) 1 - 5

12. Anti-proliferative and apoptosis inducing potential of hydroalcoholic *Achillea wilhelmsii* C. Koch extract on human breast adenocarcinoma cell lines MCF-7 and MDA-Mb-468

, , Ali Shahraki,

Pakistan Journal of Pharmaceutical Sciences Volume: (29) 2394 - 2403

13. Effects of *Malva parviflora* Extract on Retention Memory in Mice

, Ali Shahraki, , ,

Der Pharmacia Lettre Volume: (8) 246 - 251

2015

14. Neuroprotective Effect of Aqueous Extract of *Achillea millifolium* Against Retrograde Destruction of Neurons of Ventral Horn of the Spinal Cord After Sciatic Nerve Compression in Rats

Ali Shahraki,

Volume: (17) 40 - 47

15. Serum Levels of Interleukin-27 and Interleukin-33 in Patients With Dermatomyositis and Polymyositis Compared to Healthy Control Subjects

Gelare Shahryari, Ali Shahraki,

Gene, Cell and Tissue Volume: (2) 1 - 4

2014

16. Interleukin-33 and interleukin-18 serum levels in patients with rheumatoid arthritis and osteoporosis

Ali Shahraki, , Mahdiyeh Hosseiniyan, Salah HAJI NEJAD

Volume: (21) 86 - 95

17. The effects of hydroalcoholic extract of aloe vera gel on spermatogenesis of adult male rats

Ali Shahraki, Ali Shahraki mojahed

INTERNATIONAL JOURNAL OF BIOSCIENCES Volume: (5) 158 - 165

18. سطوح سرمي اينترلوکين-33 و اينترلوکين-18 در بيماران مبتلا به روماتيسم مفصلي و پوکي استخوان

Ali Shahraki, , Mahdiyeh Hosseiniyan, Salah HAJI NEJAD

Volume: () 86 - 95

19. Neuroprotective effects of aquatic extract of *Achillea wilhelmsii* on motorneurons destruction of spinal cord ventral horn after sciatic nerve compression in male adult rats

Ali Shahraki, , ,

Journal of Kerman University of Medical Sciences Volume: (22) 1 - 11

20. Survey on interleukin-33 and interleukin-18 serum levels in patients with rheumatoid arthritis compare to osteoporosis and healthy control subjects

Ali Shahraki, , Mahdiyeh Hosseiniyan, Salah HAJI NEJAD

Volume: (21) 86 - 95

21. Analysis of IFN- (874 A/T) and IL-10 (-1082 G/A) genes polymorphisms with risk of schizophrenia.

Dor Mohammad Kordi Tamandani, , , Ali Shahraki

Journal of Cell and Molecular Research Volume: (6) 64 - 68

2013

22. comparative survey on the essential oil composition and antioxidant activity of aqueous extracts from flower and stem of *achillea wilhelmsii* from Taftan southeast of Iran)

Ali Shahraki

Health Scope Volume: (4) 174 - 178

23. Determination of interleukin-13 and interleukin -27 on schizophrenic serums

Ali Shahraki,

Scholars Journal of Applied Medical Sciences Volume: (5) 653 - 657

24. Comparative Survey on the Essential Oil Composition and Antioxidant Ac-tivity of Aqueous Extracts From Flower and Stem of Achillea Wilhelmsii From Taftan (Southeast of Iran)

Ali Shahraki,

Health Scope Volume: (4) 167 - 172

2012

25. Antibacterial effects of Myristica fragrans Zataria multiflora Syzygium aromaticum and Zingiber officinale Rosci essential oils alone and in combination with nisin on Listeria monocytogenes

Ali Shahraki

COMPARATIVE CLINICAL PATHOLOGY Volume: (21) 1313 - 1316

26. Antibacterial effects of Myristica fragrans, Zataria multiflora Boiss, Syzygium aromaticum, and Zingiber officinale Rosci essential oils, alone and in combination with nisin on Listeria monocytogenes

, , Ali Shahraki

COMPARATIVE CLINICAL PATHOLOGY Volume: () 1313 - 1316

2011

27. Metabotropic glutamate receptors and their ligands applications in neurological and psychiatric disorders

Ali Shahraki

Volume: (15) 72 - 89

28. Glutamate transporters and excitotoxicity in nervous system

Ali Shahraki, Arezou Ghahghaei,

Volume: (13) 1 - 15

29. Comparison of the chaperoning action of glycerol and -casein on aggregation of proteins in the presence of crowding agent

Ali Shahraki

International Journal of Peptide Research and Therapeutics Volume: (17) 101 - 111

2010

30. مروري بر گيرنده هاي يونوتروپيك گلوتمات و نقش آنها در بيماريهاي دستگاه عصبي

Ali Shahraki

Journal of Kerman University of Medical Sciences Volume: () -

31. Ionotropic glutamate receptors and their role in neurological diseases

Ali Shahraki

Journal of Kerman University of Medical Sciences Volume: (17) 361 - 378

Conferences Papers

2021

1. Role of cytokines in schizophrenia

2nd National Conference on New Biological Findings, University of Sistan and Baluchestan, March 2021

Ali Shahraki

2. A survey on the effect of arginine on the chaperon activity of glycerol in the prevention of amyloid fibrils formation of β -casein in the presence of dextran

2nd National Conference on New Biological Findings, University of Sistan and Baluchestan, March 2021

, Arezou Ghahghaei, Ali Shahraki

2018

3. Chemical constituents and antioxidant activity of the essential oil of *Grantia aucheri*

2nd international and 23rd Iranian congress of physiology and pharmacology

Ali Shahraki, jafar valizadeh, Moharam Valizadeh

4. Investigation on the effects of hydroalcoholic extract of *Levisticum officinale* on cGMP levels and PDE5 gene expression in breast cancer cell lines MCF-7 and MDA-Mb-468

10th world congress on pharmacology and 6th international conference and exhibition on advances in chromatography and HPLC techniques

Ali Shahraki, Marzieh Lotfian Sargazi, Ramin Saravani

2016

5. A Protein Disulfide Isomerase from *Bacillus Subtilis* DR8806: Gene Cloning, Expression, Purification and Biophysicochemical Characterization

1st national conference on new findings in biology

, Milad Lagzian, Ali Shahraki