

CURRICULUM VITAE

تکتم حجار

اطلاعات شخصی:

نام: تکتم

نام خانوادگی: حجار

رتبه: استادیار دانشگاه حکیم سبزواری، از 1391

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آدرس: دانشگاه حکیم سبزواری، دانشکده علوم، گروه زیست شناسی

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پست های اجرایی: دبیر و عضو شورای بانوان، عضو کمیته ورزشی دانشگاه، عضو کمیته ایمنی دانشکده علوم پایه ، ناظر آزمایشگاه های گروه زیست شناسی

دروس تدریس شده:

فیزیولوژی جانوری 1، 2 و 3

فیزیولوژی غشا (کارشناسی ارشد)

فیزیولوژی سیستم عصبی مرکزی (کارشناسی ارشد)

فیزیولوژی تولید مثل (کارشناسی ارشد)

فیزیولوژی غدد درون ریز

فیزیولوژی و آناتومی (کارشناسی ارشد)

فارماکولوژی

روش ها و ابزارها در زیست شناسی جانوری

مدارک تحصیلی:

1. کارشناسی، زیست شناسی، دانشگاه فردوسی، مشهد، ایران (1378-1374)

2. کارشناسی ارشد، بیوسیتماتیک جانوری، دانشگاه فردوسی، مشهد، ایران (1385-1383)

استاد راهنما: دکتر درویش

عنوان پایان نامه: مطالعه بیوسیتماتیکی جنس *Allactaga* با استفاده از روش های مورفولوژیک،

مورفومتریک و الکتدوفورز پروتئین های عمومی پلاسما

3. دکتری، فیزیولوژی، دانشگاه پوترا، کوالالامپور، مالزی (1387-1391)

استاد راهنما: دکتر گو یانگ منگ

عنوان پایان نامه: اثر تغذیه با اسیدهای چرب غیراشباع بر حافظه فضایی و بیان ژن PPAR در رت

موضوعات تحقیقی مورد علاقه:

فیزیولوژی سیستم عصبی

سکته مغزی

سرطان

LIST OF PUBLICATIONS

مقاله های چاپ شده در مجلات

1. Zahra Gavidel, Majid momeni moghaddam, Toktam Hajjar, Eisa Kohan, 2021. Understanding the Effect of Natural Products on Breast Cancer via P53-MDM 2 Signal Pathway. *Journal of cell and molecular research*, 13 (1), 72-80.
2. Behnam Mahdavi, **Toktam Hajjar**, Alireza Ghodsi, Majid Mohammadhosseini, Mohammad Mehmandost, Elahe Talebi, 2021. Antidiabetic effect of Sophora pachycarpa seeds extract in streptozotocin-induced diabetic mice: a statistical evaluation. *Journal of Investigative Medicine*. DOI: 10.1136/jim-2021- 001818.
3. **Toktam Hajjar**, Foroogh Soleymani, Mehran Vatanchian, 2020. Protective Effect of Vitamin C and Zinc as an Antioxidant Against Chemotherapy-Induced Male Reproductive Toxicity. *Journal of Medicine and Life*, 13(2): 138–143
4. **Toktam Hajjar**, Mohammad Arhami, Mohammad Reza Vaezi Khkhki. 2019. Comparative Effects of Orange Blossom, Violet, and Marjoram Extracts and Lorazepam on Sleep Deprivation-Induced Anxiety in Mice. *Neurophysiology*, 51 (1): 20- 34.
5. Maryam Kaihanfar, Madjid Momeni-Moghaddam, Mohammad javad Mehdipour Moghaddam, **Toktam Hajjar**, VahabDastPak, Jalal Omrani Bidi. 2018. Investigation of antimicrobial effects of trained *Lucilia sericata* Larvae Extract on bacteria.
6. Atefe Kalate, Alireza Keikhosravi, Reza Naderloo, **Toktam Hajjar** and Christoph D. Schubart. 2017. Morphometric characterization of the freshwater crab *Potamon elbursi* Pretzmann, 1962 in the Caspian Sea and Namak Lake hydrographic systems. *Journal of Crustacean Biology*, 1–10.

7. **Toktam Hajjar**, Hadi Erfanianzade and Fateme Sadat Alavi. 2017. Effect of Vitamin C, as an Antioxidant, on Immobilization-Induced Changes in Sexual Behavior and Sperm Count in Male Mice. *Journal of Genetic Resources*, 2(2): 81-87
8. Tahereh Sanjari, Madjid Momeni-Moghaddam, Jafar Vatandoost, **Toktam Hajjar**. 2015. Skin wound healing by extract of *Lucilia sericata* maggot. *Journal of Cellular and Molecular Research* (in Persian).
9. Tahereh Sanjari, **Toktam Hajjar**, Madjid Momeni-Moghaddam. 2015. The Role of Mesenchymal Stem Cells in Skin Wound Healing. *Journal of Cell and Molecular Research*, 7 (2), 70-77.
10. **Hajjar, T.**, Goh Y. M., Rajion M. A., Vidyadaran S., Fauziah O., Farjam A. S., Tan A. L. and Ebrahimi M. 2012. Omega 3 polyunsaturated fatty acid improves spatial learning and hippocampal Peroxisome Proliferator Activated Receptors (PPAR α and PPAR γ) gene expression in rats. *BMC Neuroscience*, 13:109-116.
11. **Hajjar, T.**, Goh Y. M., Rajion M. A., Vidyadaran S., Tan A. L. and Ebrahimi M. 2013. Alterations in neuronal morphology and synaptophysin expression in the rat brain as a result of changes in dietary n-6: n-3 fatty acid ratios. *Lipids in Health and Disease*, 12: 113-122.
12. Darvish, J., **T. Hajjar**, Moghadam Matin, M., Haddad, F. and Akbary rad, S. 2008. New Species of Five-Toed Jerboa (Rodentia: Dipodidae, Allactaginae) from North-East Iran. *Journal of Sciences, Islamic Republic of Iran* 19(2): 103-109.

مقاله های چاپ شده در کنفرانس ها

1. Shokoofe Khazaie, Nasrin Mollania, **Toktam Hajjar**, Jafar Mosafer. 2018. Nanocapsulations of extract of Saffron with PLGA polymer and evaluation of effective parameters on nanoparticles size. 5th conference on Saffron (in Persian).
2. Shokoofe Khazaie, Nasrin Mollania, **Toktam Hajjar**, Jafar Mosafer. 2018. Nanocapsulations of methanolic extract of Vaccinium Macrocarpon and evaluation of its antidiabetic effect. 15th national congress of biochemistry and 6th international congress of biochemistry and molecular biology.
3. Zaynab Sanei, Nasrin Mollania, **Toktam Hajjar**. 2018. The effect of antioxidant and inhibition of alpha -amylase pancreatic enzymes of the Ferula in vitro conditions and evaluation of blood biochemical parameters and kidney histology in diabetic mice. 15th national congress of biochemistry and 6th international congress of biochemistry and molecular biology.
4. Sedighe Shahiki, **Toktam Hajjar**, Eisa Kohan Baghkheyrafi, Alireza Kheykhosravi. 2018. The effect of oxytocin hormone on the increase of sperm in male mice. 20th national congress and 8th international congress of biology.
5. Sedighe Shahiki, **Toktam Hajjar**, Eisa Kohan Baghkheyrafi, Alireza Kheykhosravi. 2018. Effect of Hydro-alcoholic extract of fenugreek seed (*Trigonella foenum-graecum L.*) on infanticide behavior of male mice. 20th national congress and 8th international congress of biology.

6. Javad Yazdani Moghadam, **Toktam Hajjar**, Madjid Momeni-Moghadam, Eisa Kohan Baghkheyraati. 2018. Effect of Hydro-alcoholic extract of *Verbascum speciocum* on the wound healing of diabetic mice. 20th national congress and 8th international congress of biology.
7. Javad Yazdani Moghadam, **Toktam Hajjar**, Madjid Momeni-Moghadam, Eisa Kohan Baghkheyraati. 2018. Effect of Hydro-alcoholic extract of *Falcaria vulgaris* on the synthesis of collagen in the wound healing of diabetic mice. 20th national congress and 8th international congress of biology.
8. Sedighe Shahiki, **Toktam Hajjar**, Eisa Kohan Baghkheyraati, Fateme Sadat Alavi. 2018. Effect of Fenugreek (*Trigonella Foenum- Graecium*) Seed Hydroalcoholic Extract on Sperm Count. The 4th International Congress on Reproduction.
9. Sedighe Shahiki, **Toktam Hajjar**, Eisa Kohan Baghkheyraati, Alireza Kheykhosravi. 2017. Physiologic effects of *Trigonella Foenum- Graecium* on health. The 5th national conference of medical herbs, conventional medicine and organic agriculture.
10. Zahra Samadi, Madjid Momeni-Moghadam, Eisa Kohan Baghkheyraati, **Toktam Hajjar**. 2017. The role of TGF- β in breast cancer. 3rd international symposium of Nastaran cancer.
11. Farahnaz Sheibak, Alireza Kheykhosravi, Reza Naderloo, **Toktam Hajjar**. 2017. Population of the freshwater crab *Potamon elbursi* Pretzmann, 1962, based on genetic and morphometric data from the southern Caspian Sea and Namak Lake Basins. 3rd National Conference on Animal Science.
12. Zaynab Sanei, Nasrin Mollania, **Toktam Hajjar**. 2017. Effect of methanolic extract of *Vaccinium arctostaphylos* on blood glucose in diabetic mice. 3rd National Conference on Animal Science.
13. Atefe Kalate, Alireza Keikhosravi, Reza Naderloo, **Toktam Hajjar**. 2017. Population structure of the freshwater crab *Potamon elbursi* Pretzmann, 1962, based on genetic and morphometric data from the southern Caspian Sea and Namak Lake Basins. Third national conference on animal science.
14. Foroogh Soleymani, **Toktam Hajjar**. 2017. Zinc ameliorates cyclophosphamideinduced reproductive toxicity in male mice. The 3rd International Congress on Reproduction.
15. **Toktam Hajjar**, Hadi Erfanian Zade, Morteza Barati. 2016. Effect of chronic immobilization stress on the fertility of male mice. 19th National and 7th International Congress of Biology.
16. Atefe Kalate, Alireza Keykhosravi, Reza Naderloo. Toktam Hajjar. 2016. Species morphological differentiation in freshwater crab genus *Potamen* using morphometric data. 1st national congress of paramedical students.
17. Tahereh Sanjari, Jafar Vatandoost, Toktam Hajjar, Madjid Momeni Maghadam. 2015. P55- Mesenchymal Stem Cells Therapy of Wound. International congress on stem cells and regenerative medicine.
18. **Toktam Hajjar**, Morteza Barati Yosefabadi, Hadi Erfanianzade, Madjid Momeni-Moghaddam. 2015. Effect of Honey and Sesame Oil on Wound Healing. Natinal congress on chronic wound. Sari. (in Persian).
19. Tahereh Sanjari, Jafar Vatandoost, **Toktam Hajjar**, Madjid Momeni-Moghaddam. 2015. Mesenchymal Stem Cells Therapy of Wound. Internatinal congress on stem cell and regenerative medicine. Mashhad.
20. **Toktam Hajjar**, Sanaz Zareian, Fateme sadat Alavi. 2015. Association between *Helicobacter pylori* Infection and Gastric Cancer. International Nastaran Cancer Symposium. Mashhad.
21. **Toktam Hajjar**, Mohammad Reza Vaezi, Fateme Sadat Alavi. 2015. Effect of Aqueous Extract of *Entada Scandens* on the Level of Estradiol Hormone in Female Mice. The first

international and the fourth national conference of medical herbs and stable agriculture. Hamedan.

22. **Hajjar, T.**, Goh Y. M. 2014. Effect of N-3 Polyunsaturated Fatty Acid on Neuronal morphology and Synaptophysin Expression in the Rat Brain. Internatinal Conference on Agriculture, Environment and Biological Sciences.

23. **Hajjar, T.**, Goh Y. M. 2014. Effect of Omega 3 polyunsaturated fatty acids on spatial learning and hippocampal Peroxisome Proliferator Activated Receptors Gene Expression in Rats. Internatinal Conference on Agriculture, Environment and Biological Sciences.

24. **Hajjar, T.**, Goh Y. M., Vidyadaran S., Fauziah O. , Rajion M. A. and Ebrahimi M. 2011. Effect of fish oil supplemented diets on fatty acid content of brain in rats. 2nd Malaysian anatomical conference.

25. **Hajjar, T.**, Goh Y. M., Vidyadaran S., Fauziah O. , Rajion M. A. and Ebrahimi M. 2009. The effect of n-3 long chain polyunsaturated fatty acids on cognitive function development in rats. International conference on animal health and hunman safety.

26 . **Hajjar, T.**, Goh Y. M., Vidyadaran S., Fauziah O. , Maha A., Rajion M. A. and Ebrahimi M. 2009. Dietary n-3 and n-6 long chain polyunsaturated fatty acids on PPAR gene expression and cognitive function development in rats. 22nd veterinary association Malaysia & 4th wildlife society of zoo and wildlife medicine.

پایان نامه ها:

1. اثر اکسی توسین و عصاره دانه شنبليله بر رفتار جنسی و والدینی موش نر و ماده، **استاد راهنما**.
2. بررسی اثرات ضد دیابت چند گیاه دارویی بر شاخص‌های سرم خون و ساختارهای هیستولوژیکی کبد و کلیه در موش‌های نر دیابتی شده توسط استرپتوزوتوسین ، **استاد مشاور**.
3. بررسی تنوع بین جمعیتی خرچنگ پهن آب شیرین Potamon ruttneri Pretzmann, 1962. با استفاده از داده های ژنتیکی و ریختی ، **استاد مشاور**
4. بررسی اثر داروهای شیمی درمانی بر میزان باروری ، **استاد راهنما**
5. اثرات مقایسه ای عصاره بهارنارنج، گل بنفشه، مرزنجوش و لورازپام بر اضطراب ناشی از محرومیت از خواب در موش، **استاد راهنما**.
6. بررسی اثر نانوپارتیکل تیمار شده با ویتامین C بر روی مسیر سنتز کلاژن در رده سلول فیبروبلاست T33، **استاد راهنمای دوم**.
7. مطالعه بیوسیستماتیک سوسماران مانه و سملقان ، **استاد مشاور**.
8. بررسی اثر عصاره کامل لارو بر روی تکثیر سلول های فیبروبلاستی موش ، **استاد مشاور**.