



## سیاوش پرورده

گروه فارماکولوژی دانشکده پزشکی شهید بهشتی

مرتبه علمی: دانشیار

سمت: عضو هیأت علمی، مدیر گروه

ایمیل: [parvardehs@sbmu.ac.ir](mailto:parvardehs@sbmu.ac.ir); [parvardehs@gmail.com](mailto:parvardehs@gmail.com)

تلفن: ۰۲۱-۲۳۸۷۲۵۳۹

فکس: ۰۲۱-۲۲۴۳۹۹۶۹

## تحصیلات

دکتری تخصصی (PhD) فارماکولوژی:

دانشکده پزشکی مشهد (۱۳۸۴)

عنوان پایان نامه: مطالعه اثرات تیموکینون بر انتقال پیام های عصبی در سیستم اعصاب مرکزی و محیطی

دکتری داروسازی:

دانشکده علوم دارویی دانشگاه آزاد (۱۳۷۷)

عنوان پایان نامه: اندازه گیری سرب و کادمیوم در نمونه های بیولوژیک با استفاده از جذب اتمی.

## سوابق تدریس

تدریس فارماکولوژی پایه، بالینی و تخصصی به دانشجویان مختلف علوم پزشکی شامل:

مقطع دکتری عمومی: پزشکی و دندانپزشکی

مقطع کارشناسی: پرستاری، تغذیه، فیزیوتراپی

مقطع کارشناسی ارشد: فیزیولوژی، فیزیوتراپی، بهداشت سالمندی، تغذیه، پرستاری سالمندی، پرستاری ICU

مقطع PhD: فارماکولوژی، فیزیولوژی، فیزیوتراپی، تغذیه، بیوشیمی

دستیاری دندانپزشکی: جراحی فک و صورت، پروتز/ترمیمی/اندو، پیرو و کودکان

## جوایز

استاد نمونه (جشنواره آموزشی شهید مطهری): سال های ۱۳۸۸، ۱۳۹۳، ۱۳۹۷

## تکنیک ها و مهارت های آزمایشگاهی

- Electrophysiological recording techniques: field recording and patch-clamp
- Animal models of cerebral ischemia (2-VO, 4-VO, MCAO)
- Animal models of seizure (*in vivo* & *in vitro*)
- Animal models of nociceptive and neuropathic pain
- Animal models of Alzheimer's disease
- Animal models of addiction
- Proficiency in stereotaxic surgeries
- ELISA, western blotting, and immunohistochemistry methods
- Medical and pharmacological statistics (SPSS, GraphPad Prism)

## خلاصه مقاله در کنگره ها

**Parvardeh, S.**, Samadi, S., Koohsari, S., Ghafghazi, S., Sheykholeslami, M.A. Anticonvulsant effect of 4-isopropylbenzyl alcohol, a major constituent found in the essential oil of *Cuminum cyminum* and *Bunium presicum*, in mice. Poster presentation delivered at the 23<sup>rd</sup> Congress of Physiology and Pharmacology, Chabahar, Iran, February 2018.

**Parvardeh, S.**, Moghimi, M., Moini Zanjani, T. The stimulatory effects of  $\alpha$ -Terpineol on the long term potentiation recorded from the hippocampus of rats with cerebral ischemia induced memory impairment. Poster presentation delivered at the 22<sup>nd</sup> Congress of Physiology and Pharmacology, Kashan, Iran, September 2015.

**Parvardeh, S.**, Hosseinzadeh, H. Effects of thymoquinone on epileptiform activity induced by magnesium free medium in the CA1 region of rat hippocampal slices. Poster presentation delivered at the 18<sup>th</sup> Congress of Physiology and Pharmacology, Mashhad, Iran, August 2007.

## مقالات انگلیسی

Golpour, F., Abbasi-Alaei, M., Babaei, F., Mirzababaei, M., **Parvardeh, S.**, Mohammadi, G., and Nassiri-Asl, M. Short chain fatty acids, a possible treatment option for autoimmune diseases. *Biomedicine & Pharmacotherapy* 2023; 163, 114763.

Sheikholeslami, M.A., **Parvardeh, S.**, Ghafghazi, S., and Sabetkasaei, M. Curcumin attenuates morphine dependence by modulating  $\mu$ -opioid receptors and glial cell-activated neuroinflammation in rat. *Neuropeptides* 2022; 102318.

Khodabakhsh, P., Bazrgar, M., Mohagheghi, F., **Parvardeh, S.**, and Ahmadiani, A. MicroRNA-140-5p inhibitor attenuates memory impairment induced by amyloid- $\beta$  oligomer *in vivo* possibly through Pin1 regulation. *CNS Neuroscience & Therapeutics* 2022; 29:91-103.

**Parvardeh, S.**, Sheikholeslami, M.A., Ghafghazi, S., Pouriran, R., and Mortazavi, S.E. Minocycline improves memory in a passive avoidance task following cerebral ischemia-reperfusion by enhancing hippocampal synaptic plasticity and restoring antioxidant enzyme activity in rats. *Basic and Clinical Neuroscience* 2022;13(2):225-36.

Mesgar, S., Jameie, S.B., Aliaghaei, A., **Parvardeh, S.**, Torabi, A., and Haghparast, A. Dopamine D1 Receptor-Mediated Regulation of Per1, Per2, CLOCK, and BMAL1 Expression in the Suprachiasmatic Nucleus in Adult Male Rats. *Journal of Molecular Neuroscience* 2022;72(3):618-25.

Khodabakhsh, P., Bazrgar, M., Dargahi, L., Mohagheghi, F., Taei, A.A., **Parvardeh, S.** and Ahmadiani, A. Does Alzheimer's disease stem in the gastrointestinal system? *Life Sciences* 2021; 287:120088.

Sheikholeslami, M.A., Ghafghazi, S., **Parvardeh, S.**, Koohsari, S., Aghajani, S.H., Pouriran, R., and Vaezi, L.A. Analgesic effects of cuminic alcohol (4-isopropylbenzyl alcohol), a monocyclic terpenoid, in animal models of nociceptive and neuropathic pain: Role of opioid receptors, L-arginine/NO/cGMP pathway, and inflammatory cytokines. *European Journal of Pharmacology* 2021; 900:174075.

Sheikholeslami, M.A., Ghafghazi, S., Pouriran, R., Mortazavi, S.E. and **Parvardeh, S.** Attenuating effect of paroxetine on memory impairment following cerebral ischemia-reperfusion injury in rat: the involvement of BDNF and antioxidant capacity. *European Journal of Pharmacology* 2021; 893: 173821.

Koohsari, S., Sheikholeslami, M.A., **Parvardeh, S.**, Ghafghazi, S., Samadi, S., Poul, Y.K., Pouriran, R. and Amiri, S. Antinociceptive and antineuropathic effects of cuminaldehyde, the major constituent of *Cuminum cyminum* seeds: Possible mechanisms of action. *Journal of Ethnopharmacology* 2020; 255:112786.

Dastaran, S., Sabetkasaei, M., **Parvardeh, S.**, Ghafghazi, S. and Pouramini, A. Protective effect of dimethyl fumarate on memory impairment after cerebral ischemia-reperfusion injury in rats. *Jundishapur Journal of Natural Pharmaceutical Products* 2020;15(1):1-e69310.

Khoshnazar, M., **Parvardeh, S.** and Bigdeli, M.R. Alpha-pinene exerts neuroprotective effects via anti-inflammatory and anti-apoptotic mechanisms in a rat model of focal cerebral ischemia-reperfusion. *Journal of Stroke and Cerebrovascular Diseases* 2020;29(8):104977.

Soleimani, M., Sheikholeslami, M.A., Ghafghazi, S., Pouriran, R. and **Parvardeh, S.** Analgesic effect of  $\alpha$ -terpineol on neuropathic pain induced by chronic constriction injury in rat sciatic nerve: Involvement of spinal microglial cells and inflammatory cytokines. *Iranian Journal of Basic Medical Sciences* 2019;22(12):1445-1451.

Khoshnazar, M., Bigdeli, M.R., **Parvardeh, S.** and Pouriran, R. Attenuating effect of  $\alpha$ -pinene on neurobehavioural deficit, oxidative damage and inflammatory response following focal ischaemic stroke in rat. *Journal of Pharmacy and Pharmacology* 2019; 71(11):1725-1733.

Sheikholeslami, M.A., **Parvardeh, S.**, Ghafghazi, S., Zanjani, T.M. and Sabetkasaei, M. The attenuating effect of curcumin on morphine dependence in rats: the involvement of spinal microglial cells and inflammatory cytokines. *Iranian Journal of Pharmaceutical Research* 2019; 18(Suppl1):198-207.

Heidari Khoei, H., Fakhri, S., **Parvardeh, S.**, Shams Mofarahe, Z., Ghasemnejad-Berenji, H., Nazarian, H. and Baninameh, Z. Testicular toxicity and reproductive performance of streptozotocin-induced diabetic male rats: the ameliorating role of silymarin as an antioxidant. *Toxin Reviews* 2019; 38(3):223-233.

Aminianfar, M., **Parvardeh, S.** and Soleimani, M. In vitro and in vivo assessment of silver nanoparticles against *Clostridium botulinum* type A botulinum. *Current Drug Discovery Technologies* 2019; 16(1):113-119.

Heidari Khoei, H., Fakhri, S., **Parvardeh, S.**, Shams Mofarahe, Z., Baninameh, Z. and Vardiani, M. Astaxanthin prevents the methotrexate-induced reproductive toxicity by targeting oxidative stress in male mice. *Toxin Reviews* 2019; 38(3):248-254.

**Parvardeh, S.**, Sabetkasaei, M., Moghimi, M., Masoudi, A., Ghafghazi, S. and Mahboobifard, F. Role of L-arginine/NO/cGMP/K<sub>ATP</sub> channel signaling pathway in the central and peripheral antinociceptive effect of thymoquinone in rats. *Iranian Journal of Basic Medical Sciences* 2018; 21(6):625-633.

Safaripour, S., Nemati, Y., **Parvardeh, S.**, Ghafghazi, S., Fouladzadeh, A. and Moghimi, M. Role of L-arginine/SNAP/NO/cGMP/K<sub>ATP</sub> channel signalling pathway in antinociceptive effect of  $\alpha$ -terpineol in mice. *Journal of Pharmacy and Pharmacology* 2018;70(4):507-515.

Naderi, Y., **Parvardeh, S.**, Zanjani, T.M. and Sabetkasaei, M. Neuroprotective effect of paroxetine on memory deficit induced by cerebral ischemia after transient bilateral occlusion of common carotid arteries in rat. *Iranian Journal of Pharmaceutical Research* 2018;17(1):215-224.

Naderi, Y., Sabetkasaei, M., **Parvardeh, S.** and Zanjani, T.M. Neuroprotective effect of minocycline on cognitive impairments induced by transient cerebral ischemia/reperfusion through its anti-inflammatory and anti-oxidant properties in male rat. *Brain Research Bulletin* 2017;131:207-213.

Moghimi, M., **Parvardeh, S.**, Zanjani, T.M. and Ghafghazi, S. Protective effect of  $\alpha$ -terpineol against impairment of hippocampal synaptic plasticity and spatial memory following transient cerebral ischemia in rats. *Iranian Journal of Basic Medical Sciences* 2016;19(9):960-969.

Hosseinzadeh, H., **Parvardeh, S.**, Asl, M.N., Sadeghnia, H.R. and Ziaee, T. Effect of thymoquinone and Nigella sativa seeds oil on lipid peroxidation level during global cerebral ischemia-reperfusion injury in rat hippocampus. *Phytomedicine* 2007;14(9):621-627.

Hosseinzadeh, H., Nassiri Asl, M. and **Parvardeh, S.** The effects of carbenoxolone, a semisynthetic derivative of glycyrrhizinic acid, on peripheral and central ischemia-reperfusion injuries in the skeletal muscle and hippocampus of rats. *Phytomedicine* 2005;12:632-637.

Hosseinzadeh, H., Nassiri-Asl, M., **Parvardeh, S.** and Mansouri, M.T. The effects of carbenoxolone on spatial learning in the Morris Water Maze task in rats. *Medical Science Monitor* 2005;11:88-94.

Wu, C.P., Cheung, G., Rakhshani, N., **Parvardeh, S.**, Asl, M.N. and Zhang, L. CA3 Neuronal activities of dorsal and ventral hippocampus are differentially altered in rats after prolonged post-ischemic survival. *Neuroscience* 2005;130:527-539.

Hosseinzadeh, H. and **Parvardeh, S.** Anticonvulsant effects of thymoquinone, the major constituent of Nigella sativa seeds, in mice. *Phytomedicine* 2004;11(1):56-64.