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Shiraz, Iran.
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CAREER HISTORY

Shiraz University of Medical Sciences **2008 - Present**
Job Title: Associate Prof.

EDUCATION

PhD of Medical Physiology, Shahid Beheshti University of Medical Sciences **2002 - 2008**
MSc of Medical Physiology, Iran University of medical Sciences **1999 - 2002**
BSc Nursing, Shiraz University of Medical Sciences **1992 - 1996**

LANGUAGE ABILITIES

- **Persian** (Mother Tongue)
- **English** (Very Good)
- **French** (Good)

SKILLS PROFILE

- **Proteomics:** SDS-PAGE, western blotting.
- **Cellular studies:** Primary and transformed cell culture and different cell death analysis methods.
- **Other techniques:**
 - Animal surgeries
 - Learning and memory studies

PUBLICATIONS

- ✓ Mehrbeheshti, N., Esmaili, Z., Ahmadi, M., Moosavi, M.

A dose response effect of oral aluminum nanoparticle on novel object recognition memory, hippocampal caspase-3 and MAPKs signaling in mice

(2022) 417, art. no. 113615.

DOI: 10.1016/j.bbr.2021.113615

- ✓ Esmaili, Z., Soukhaklari, R., Farokhi, M.R., Absalan, S., Moosavi, M.

The Impairing Effect of Oral Aluminum Oxide Nanoparticle on Novel Object Recognition Memory Coincides with Akt/GSK-3 β Signaling Deregulation in Mice Hippocampus

(2021) 11 (4), pp. 1119-1126.

DOI: 10.1007/s12668-021-00908-4

- ✓ Esmaili, Z., SoukhakLari, R., Moezi, L., Pirsalami, F., Farrokhi, M.R., Khalaf, N., Kazerouni, A., Moosavi, M.

Effects of sub-chronic caffeine ingestion on memory and the hippocampal Akt, GSK-3 β and ERK signaling in mice

(2021) 170, pp. 137-145.

DOI: 10.1016/j.brainresbull.2021.02.007

- ✓ Karimi, Z., SoukhakLari, R., Rahimi-Jaberi, K., Esmaili, Z., Moosavi, M.

Nanomicellar curcuminoids attenuates renal ischemia/reperfusion injury in rat through prevention of apoptosis and downregulation of MAPKs pathways

(2021) 48 (2), pp. 1735-1743.

DOI: 10.1007/s11033-021-06214-2

- ✓ Moezi, L., Ashjazadeh, N., Rezapanah, S., Pirsalami, F., Esmaeili, Z., Soukhaklari, R., Moosavi, M.

Anticonvulsant effect of acute curcumin nanoparticle on pentylenetetrazole-induced seizures in mice: non-involvement of jnk restoration

(2021) 25 (1), pp. 36-46.

DOI: 10.32598/ppj.25.1.80

✓ Hooshmandi, E., Moosavi, M., Katinger, H., Sardab, S., Ghasemi, R., Maghsoudi, N.
Correction to: CEPO (carbamylated erythropoietin)-Fc protects hippocampal cells in culture
against beta amyloid-induced apoptosis: considering Akt/GSK-3 β and ERK signaling pathways
(Molecular Biology Reports, (2020), 47, 3, (2097-2108), 10.1007/s11033-020-05309-6)
(2020) 47 (12), pp. 10025-10026.

DOI: 10.1007/s11033-020-05516-1

✓ Moosavi, M., Hooshmandi, E., Javadpour, P., Maghsoudi, N., Katinger, H., Ghasemi, R.
Effect of carbamylated erythropoietin Fc fusion protein (CEPO-Fc) on learning and memory
impairment and hippocampal apoptosis induced by intracerebroventricular administration of
streptozotocin in rats

(2020) 384, art. no. 112554, .

DOI: 10.1016/j.bbr.2020.112554

✓ SoukhakLari, R., Borhani-Haghighi, A., Farsadrooh, A., Moezi, L., Pirsalami, F., Kazerouni,
A., Safari, A., Moosavi, M.

Corrigendum to "The effect of cinnamaldehyde on passive avoidance memory and hippocampal
Akt, ERK and GSK-3 β in mice" (European Journal of Pharmacology (2019) 859,

(S0014299919304820), (10.1016/j.ejphar.2019.172530))

(2020) 873, art. no. 173013, .

DOI: 10.1016/j.ejphar.2020.173013

✓ Hooshmandi, E., Moosavi, M., Katinger, H., Sardab, S., Ghasemi, R., Maghsoudi, N.
CEPO (carbamylated erythropoietin)-Fc protects hippocampal cells in culture against beta
amyloid-induced apoptosis: considering Akt/GSK-3 β and ERK signaling pathways
(2020) 47 (3), pp. 2097-2108.

DOI: 10.1007/s11033-020-05309-6

✓ Kazerouni, A., Nazeri, M., Karimzadeh, A., SoukhakLari, R., Moezi, L., Pirsalami, F.,
Moosavi, M.

Sub-chronic oral cinnamaldehyde treatment prevents scopolamine-induced memory retrieval
deficit and hippocampal Akt and MAPK dysregulation in male mice

(2020) 42 (2), pp. 99-107.

DOI: 10.1080/01616412.2019.1709142

✓ Soukhaklari, R., Farokhi, M.R., Moosavi, M.

Protective effect of nobiletin against apoptosis induced by 6-hydroxydoamine in human neuroblastoma cells

(2020) 24 (1), pp. 10-18.

DOI: 10.32598/ppj.24.1.20

✓ SoukhakLari, R., Borhani-Haghighi, A., Farsadrooh, A., Moezi, L., Pirsalami, F., Kazerouni, A., Safari, A., Moosavi, M.

The effect of cinnamaldehyde on passive avoidance memory and hippocampal Akt, ERK and GSK-3 β in mice

(2019) 859, art. no. 172530, .

DOI: 10.1016/j.ejphar.2019.172530

✓ Soukhaklari, R., Ghasemi, R., Moosavi, M.

Insulin attenuates 6-hydroxydopamine induced cell death in human neuroblastoma cells and restores p-Akt/t-Akt level

(2019) 23 (2), pp. 115-122.

✓ Hooshmandi, E., Ghasemi, R., Iloun, P., Moosavi, M.

The neuroprotective effect of agmatine against amyloid β -induced apoptosis in primary cultured hippocampal cells involving ERK, Akt/GSK-3 β , and TNF- α

(2019) 46 (1), pp. 489-496.

DOI: 10.1007/s11033-018-4501-4

✓ Soukhaklari, R., Ghasemi, R., Moosavi, M.

Erratum: Insulin attenuates 6-OHDA induced cell death in human neuroblastoma cells and restores p-Akt/t-Akt level (Physiol Pharmacol, (2019) 23, (115-122))

(2019) 23 (4), p. 330.

✓ SoukhakLari, R., Moezi, L., Pirsalami, F., Abkar, M., Moosavi, M.

Research paper: Curcumin-loaded BSA nanoparticles protect more efficiently than natural

curcumin against scopolamine-induced memory retrieval deficit

(2019) 10 (2), pp. 157-164.

DOI: 10.32598/bcn.9.10.255

✓ SoukhakLari, R., Moezi, L., Pirsalami, F., Ashjazadeh, N., Moosavi, M.

Curcumin ameliorates scopolamine-induced mice memory retrieval deficit and restores hippocampal p-Akt and p-GSK-3 β

(2018) 841, pp. 28-32.

DOI: 10.1016/j.ejphar.2018.10.012

✓ Amiri, E., Ghasemi, R., Moosavi, M.

Correction to: Agmatine Protects Against 6-OHDA-Induced Apoptosis, and ERK and Akt/GSK Disruption in SH-SY5Y Cells (Cellular and Molecular Neurobiology, (2016), 36, 6, (829-838), 10.1007/s10571-015-0266-7)

(2018) 38 (7), p. 1451.

DOI: 10.1007/s10571-018-0604-7

✓ Hooshmandi, E., Motamedi, F., Moosavi, M., Katinger, H., Zakeri, Z., Zaringhalam, J., Maghsoudi, A., Ghasemi, R., Maghsoudi, N.

CEPO-Fc (An EPO Derivative) Protects Hippocampus Against A β -induced Memory Deterioration: A Behavioral and Molecular Study in a Rat Model of A β Toxicity

(2018) 388, pp. 405-417.

DOI: 10.1016/j.neuroscience.2018.08.001

✓ Moosavi, M., Farrokhi, M.R., Tafreshi, N.

The effect of curcumin against 6-hydroxydopamine induced cell death and Akt/GSK disruption in human neuroblastoma cells

(2018) 22 (3), pp. 163-171.

✓ SoukhakLari, R., Moezi, L., Pirsalami, F., Ashjazadeh, N., Moosavi, M.

The passive avoidance memory improving effect of curcumin in young adult mice: Considering hippocampal MMP-2, MMP-9 and Akt/GSK3 β

(2018) 6 (3), pp. 95-99.

DOI: 10.1016/j.phanu.2018.05.002

✓ SoukhakLari, R., Moezi, L., Pirsalami, F., Moosavi, M.

The Effect of BSA-Based Curcumin Nanoparticles on Memory and Hippocampal MMP-2, MMP-9, and MAPKs in Adult Mice

(2018) 65 (3), pp. 319-326.

DOI: 10.1007/s12031-018-1104-4

✓ Moosavi, M., SoukhakLari, R., Moezi, L., Pirsalami, F.

Scopolamine-induced passive avoidance memory retrieval deficit is accompanied with hippocampal MMP2, MMP-9 and MAPKs alteration

(2018) 819, pp. 248-253.

DOI: 10.1016/j.ejphar.2017.12.007

✓ Moosavi, M., Owjifard, M., Farokhi, M.R.

Curcumin prevents 6-ohda induced cell death and erk disruption in human neuroblastoma cells

(2018) 13 (3), pp. 1-7.

DOI: 10.22100/jkh.v13i3.1925

✓ Moosavi, M.

Bentonite clay as a natural remedy: A brief review

(2017) 46 (9), pp. 1176-1183.

✓ Moosavi, M., Hatam, G.R.

The Sleep in *Caenorhabditis elegans*: What We Know Until Now

(2017) pp. 1-11. Article in Press.

DOI: 10.1007/s12035-016-0362-9

✓ Bahramian, A., Rastegar, K., Namavar, M.R., Moosavi, M.

Insulin potentiates the therapeutic effect of memantine against central STZ-induced spatial learning and memory deficit

(2016) 311, pp. 247-254.

DOI: 10.1016/j.bbr.2016.05.046

✓ Amiri, E., Ghasemi, R., Moosavi, M.

Agmatine Protects Against 6-OHDA-Induced Apoptosis, and ERK and Akt/GSK Disruption in SH-SY5Y Cells

(2016) 36 (6), pp. 829-838.

DOI: 10.1007/s10571-015-0266-7

✓ Ghasemi, R., Moosavi, M., Zarifkar, A., Rastegar, K., maghsoudi, N.

The Interplay of Akt and ERK in A β Toxicity and Insulin-Mediated Protection in Primary Hippocampal Cell Culture

(2015) 57 (3), pp. 325-334.

DOI: 10.1007/s12031-015-0622-6

✓ Negintaji, K., Zarifkar, A., Ghasemi, R., Moosavi, M.

Humanin Does Not Protect Against STZ-Induced Spatial Memory Impairment

(2015) 56 (2), pp. 290-298.

DOI: 10.1007/s12031-015-0531-8

✓ Moosavi, M., Zarifkar, A.H., Farbood, Y., Dianat, M., Sarkaki, A., Ghasemi, R.

Agmatine protects against intracerebroventricular streptozotocin-induced water maze memory deficit, hippocampal apoptosis and Akt/GSK3 β signaling disruption

DOI: 10.1016/j.ejphar.2014.03.041

✓ Ghasemi, R., Zarifkar, A., Rastegar, K., Maghsoudi, N., Moosavi, M.

Repeated intra-hippocampal injection of beta-amyloid 25-35 induces a reproducible impairment of learning and memory: Considering caspase-3 and MAPKs activity

(2014) 726 (1), pp. 33-40.

DOI: 10.1016/j.ejphar.2013.11.034

✓ Ghasemi, R., Zarifkar, A., Rastegar, K., Maghsoudi, N., Moosavi, M.

Insulin protects against A β -induced spatial memory impairment, hippocampal apoptosis and MAPKs signaling disruption

(2014) 85, pp. 113-120.

DOI: 10.1016/j.neuropharm.2014.01.036

✓ Moosavi, M., Abbasi, L., Zarifkar, A., Rastegar, K.

The role of nitric oxide in spatial memory stages, hippocampal ERK and CaMKII phosphorylation
(2014) 122, pp. 164-172.

DOI: 10.1016/j.pbb.2014.03.021

✓ Ghasemi, R., Dargahi, L., Haeri, A., Moosavi, M., Mohamed, Z., Ahmadiani, A.

Brain insulin dysregulation: Implication for neurological and neuropsychiatric disorders

DOI: 10.1007/s12035-013-8404-z

✓ Moosavi, M., Yadollahi Khales, G., Abbasi, L., Zarifkar, A., Rastegar, K.

Agmatine protects against scopolamine-induced water maze performance impairment and hippocampal ERK and Akt inactivation

(2012) 62 (5-6), pp. 2018-2023.

DOI: 10.1016/j.neuropharm.2011.12.031

✓ Moosavi, M., Yadollahi Khales, G., Rastegar, K., Zarifkar, A.

The effect of sub-anesthetic and anesthetic ketamine on water maze memory acquisition, consolidation and retrieval

(2012) 677 (1-3), pp. 107-110.

DOI: 10.1016/j.ejphar.2011.12.021

✓ Moosavi, M., Ghasemi, R., Maghsoudi, N., Rastegar, K., Zarifkar, A.

The relation between pregnancy and stress in rats: Considering corticosterone level, hippocampal caspase-3 and MAPK activation

(2011) 158 (2), pp. 199-203.

DOI: 10.1016/j.ejogrb.2011.05.005

Rastegar, K., Roosta, H., Zarifkar, A., Rafati, A., Moosavi, M.

The effect of intra-CA1 agmatine microinjection on water maze learning and memory in rat

(2011) 13 (5), .

✓ Maghsoudi, N., Tafreshi, N.Kh., Khodaghali, F., Zakeri, Z., Esfandiarei, M., Hadi-Alijanvand, H., Sabbaghian, M., Maghsoudi, A.H., Sajadi, M., Zohri, M., Moosavi, M., Zeinoddini, M.

Targeting enteroviral 2A protease by a 16-mer synthetic peptide: Inhibition of 2Apro-induced

apoptosis in a stable Tet-on HeLa cell line

(2010) 399 (1), pp. 39-45.

DOI: 10.1016/j.virol.2009.12.017

- ✓ Zarifkar, A., Choopani, S., Ghasemi, R., Naghdi, N., Maghsoudi, A.H., Maghsoudi, N., Rastegar, K., Moosavi, M.

Agmatine prevents LPS-induced spatial memory impairment and hippocampal apoptosis

(2010) 634 (1-3), pp. 84-88.

DOI: 10.1016/j.ejphar.2010.02.029

- ✓ Moosavi, M., Maghsoudi, N., Zahedi-Asl, S., Naghdi, N., Yousefpour, M., Trounce, I.A.

The role of PI3/Akt pathway in the protective effect of insulin against corticosterone cell death induction in hippocampal cell culture

(2008) 88 (4), pp. 293-298.

DOI: 10.1159/000150441

- ✓ Choopani, S., Moosavi, M., Naghdi, N.

Involvement of nitric oxide in insulin induced memory improvement

(2008) 29 (6), pp. 898-903.

DOI: 10.1016/j.peptides.2008.01.005

- ✓ Moosavi, M., Naghdi, N., Choopani, S.

Intra CA1 insulin microinjection improves memory consolidation and retrieval

(2007) 28 (5), pp. 1029-1034.

DOI: 10.1016/j.peptides.2007.02.010

- ✓ Moosavi, M., Naghdi, N., Maghsoudi, N., Zahedi Asl, S.

Insulin protects against stress-induced impairments in water maze performance

(2007) 176 (2), pp. 230-236.

DOI: 10.1016/j.bbr.2006.10.011

- ✓ Moosavi, M., Naghdi, N., Maghsoudi, N., Zahedi Asl, S.

The effect of intrahippocampal insulin microinjection on spatial learning and memory

(2006) 50 (5), pp. 748-752.

DOI: 10.1016/j.yhbeh.2006.06.025

✓ Mani, A.R., Nahavandi, A., Moosavi, M., Safarinejad, R., Dehpour, A.R.
Dual nitric oxide mechanisms of cholestasis-induced bradycardia in the rat
(2002) 29 (10), pp. 905-908.

DOI: 10.1046/j.1440-1681.2002.03748.x