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CURRICULUM VITAE

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PERSONAL DETAILS

Gender: Male

Date of Birth: 9 February 1966

EDUCATION

1989-1994: Doctor of Philosophy (Pharmacology), Tehran University of Medical Sciences, Tehran, Iran

1983-1989: Doctor of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran

PROFESSIONAL POSITION

1994 - 2002: Assistant Professor, Department of Pharmacology, Shiraz Medical School, Shiraz, Iran

2002- 2005: Associate Professor, Department of Pharmacology, Shiraz Medical School, Shiraz, Iran

2006- 2015: Associate Professor, Iran University of Medical Sciences, Tehran, Iran

2015-present: Professor, Iran University of Medical Sciences, Tehran, Iran

LECTURING EXPERIENCE

I have a major under- and postgraduate teaching commitments in lecturing Pharmacology topics

ADMINISTRATIVE DUTIES

February 2014 - present: Vice-Dean (Research & Technology) Faculty of Advanced Technologies in Medicine , Iran University of Medical Sciences, Tehran, Iran

Memberships in Professional & Scientific Societies

PROFESSIONAL ORGANISATION

October 1990 - present: Iran Medical Council

SCIENTIFIC ORGANIZATION

December 1991 – present: Iranian Society of Physiology & Pharmacology

INSTITUTIONAL COMMITTEE

February 2014 – present: Iran University of Medical Sciences funding review panel to evaluate grant proposals

September 2014 – present: Member of the Iran University of Medical Sciences Publishing Advisory Board

July 2014 – present: Member of the Academia-Industry Affairs, Iran University of Medical Sciences

LANGUAGES

Farsi – fluent, English – good

EDITORIAL ROLES

Editorial board membership

April 2004 – April 2005, Editorial board member of Iranian Journal of Medical Sciences

September 2008 – May 2010, Copy Editor of Iranian Journal of Medical Sciences

Reviewer for the Journals:

International Journal of Biomedical Sciences

Middle East Journal of Cancer

Archives of Neuroscience

Iranian Journal of Medical Sciences

Medical Journal of the Islamic Republic of Iran

Razi Journal of Medical Sciences

Iranian Journal of Pharmaceutical Research

REVIEWER FOR GRANT APPLICATION

Reviewer for research granting bodies such as:

**Iran National Science Foundation , <http://en.insf.isti.ir/index.aspx>
Cellular and Molecular Research Center, Iran University of
Medical Sciences**

**Oncopathology Research Center, Iran University of Medical
Sciences**

**The Research Institute for History of Medicine, and Islamic and
Complementary Medicine Studies, Iran**

OVERSIGHT OF RESEARCH STUDIES CONDUCT

**Close oversight of the reports of research progress (Final/Interim
Report) in Iran National Science Foundation,
<http://en.insf.isti.ir/index.aspx>
and Iran University of Medical Sciences and Tehran University of
Medical Sciences**

RATING

September 2015: h-index in Scopus (the largest abstract and citation database of peer-reviewed literature): 9

September 2015: Our article “5-HT₃ receptor antagonist for the treatment of tendinopathy” is NUMBER ONE in the top ten charts the articles that have been downloaded most often, in HTML format, from the Nature Reviews Rheumatology website in recent weeks.

Aug 26, 2015: Our article “ *Involvement of PPAR receptors in the anticonvulsant effects of a cannabinoid agonist; WIN 55,212-2*” in *Progress in Neuro-Psychopharmacology and Biological Psychiatry* has been downloaded or viewed 440 times since publication.

7 June 2008: Our review: “Samadikuchaksaraei A, Mousavizadeh K: High-tech biomedical research: lessons from Iran’s experience. *Biomed Eng Online* 7:17, 2008” has been recognized as “Highly Accessed” by the BioMed Central publishing group

APPEARANCE IN TRADE PUBLICATIONS

December 2002, The Editor of The JOURNAL OF UROLOGY, the most Prestigious Urology Journal in the World and the most widely read and highly cited journal in the field and the Official Journal of the American Urological Association, Inc., commented on my and co-workers research study appeared as a published original article in the same issue of the journal: Calcium Channel Blocking Activity of Thioridazine, Clomipramine and Fluoxetine in Isolated Rat Vas Deferens: A Relative Potency Measurement Study Vol. 168, December 2002

May 2009, The Editorial team of The European Journal of Clinical Investigation, the Official Journal of the European Society of Clinical Investigation asked me to permit them to reproduce one of the figures of my and co-worker published original article in the same issue of the journal as COVER PHOTO plus COVER STORY : Anti-inflammatory effects of 5-HT₃ receptor

antagonist, tropisetron on experimental colitis in rats Eur. J. Clin. Invest 39 : 375–383.

JUDGMENT OF THE WORK OF OTHERS

In a huge number of PhD and MSc thesis defense meetings, in the peer review of research proposals (Scientifically, Methodologically and financially), in the peer review of the submitted manuscripts to the medical journals and in the oversight of the ongoing research studies (evaluation and approval/rejection of research progress reports), I have been the judge of the work of others.

PUBLICATIONS

Rahimian, R; Zirak, MR; Rashidian, A; Mousavizadeh, K., Protective effects of tropisetron on cerulein-induced acute pancreatitis in mice. **Fundamental & Clinical Pharmacology 2016. Submitted for Publication**

Rahimian R, Zirak MR, Keshavarz M, Fakhræ N, Mohammadi A, **Mousavizadeh K**, Involvement of PPAR γ in the protective action of tropisetron in an experimental model of ulcerative colitis. **Inflammation 2016, Submitted for publication**

Kalanaky S, Hafizi M, Safari S, **Mousavizadeh K**, Kabiri M, Farsinejad A, Fakharzadeh S, Nazaran MH. TLc-A, the leading nanochelating-based nanochelator, reduces iron overload in vitro and in vivo. **Int J Hematol. 2016 Mar;103(3):274-82.**

Khalifeh S, Fakhfouri G, Mehr SE, **Mousavizadeh K**, Dehpour AR, Khodagholi F, Kazmi S, Rahimian R.. Beyond the 5-HT₃ receptors: A role for α 7nACh receptors in neuroprotective aspects of tropisetron. **Hum Exp Toxicol. 2015 Sep;34(9):922-31.**

Mousavizadeh K, Rajabi P, Alaei M, Dadgar S, Houshmand M. Usage of mitochondrial D-loop variation to predict risk for Huntington disease. **Mitochondrial DNA. 2015 Aug;26(4):579-82.**

Mohsenzadegan M, Fayazi MR, Abdolmaleki M, Bakhshayesh M, Seif F, **Mousavizadeh K**. Direct immunomodulatory influence of IFN- β on human astrocytoma cells. **Immunopharmacol Immunotoxicol. 2015 Apr;37(2):214-9.**

Payandemehr B, Ebrahimi A, Gholizadeh R, Rahimian R, Varastehmoradi B, Gooshe M, Aghaei HN, **Mousavizadeh K**, Dehpour AR. Involvement of PPAR receptors in the anticonvulsant effects of a cannabinoid agonist, WIN 55,212-2. **Prog Neuropsychopharmacol Biol Psychiatry. 2015 Mar 3;57:140-5.**

Fakhfouri G, **Mousavizadeh K**, Mehr SE, Dehpour AR, Zirak MR, Ghia JE, Rahimian R. From Chemotherapy-Induced Emesis to

Neuroprotection: Therapeutic Opportunities for 5-HT₃ Receptor Antagonists. **Mol Neurobiol.** 2014 Nov 7. [Epub ahead of print]

Mostafavi H, Khaksarian M, Joghataei MT, Hassanzadeh G, Soleimani M, Eftekhari S, Soleimani M, **Mousavizadeh K**, Hadjighassem MR. Fluoxetine upregulates connexin 43 expression in astrocyte. **Basic Clin Neurosci.** 2014 Winter;5(1):74-9.

Safa M, **Mousavizadeh K**, Noori S, Pourfathollah A, Zand H. cAMP protects acute promyelocytic leukemia cells from arsenic trioxide-induced caspase-3 activation and apoptosis. **Eur J Pharmacol.** 2014 Aug 5;736:115-23.

Zirak MR, Rahimian R, Ghazi-Khansari M, Abbasi A, Razmi A, Ejtemaei Mehr S, **Mousavizadeh K**, Dehpour AR. Tropicisetron attenuates cisplatin-induced nephrotoxicity in mice. **Eur J Pharmacol.** 2014 Jun 4;738C:222-229

Mostafavi H, Khaksarian M, Joghataei MT, Soleimani M, Hassanzadeh G, Eftekhari S, Soleimani M, **Mousavizadeh K**, Estiri H, Ahmadi S, Hadjighassem MR. Selective β 2 adrenergic agonist increases Cx43 and miR-451 expression via cAMP-Epac. **Mol Med Rep.** 2014 Jun;9(6):2405-10

Soleimani Asl S, **Mousavizadeh K**, Pourheydar B, Soleimani M, Rahbar E, Mehdizadeh M. Protective effects of N-acetylcysteine on 3, 4-methylenedioxymethamphetamine-induced neurotoxicity in male Sprague-Dawley rats. **Metab Brain Dis.** 2013 Dec;28(4):677-86

Soleimani Asl S, **Mousavizadeh K**, Pourheydar B, Soleimani M, Rahbar E, Mehdizadeh M. Erratum to: Protective effects of N-acetylcysteine on 3, 4-methylenedioxymethamphetamine-induced neurotoxicity in male Sprague-Dawley rats. **Metab Brain Dis.** 2014 May 29

Rahimian R, Fakhfour G, Ejtemaei Mehr S, Ghia JE, Genazzani A, Payandehmehr B, Dehpour AR, **Mousavizadeh K**, Lim D.

Tropisetron Attenuates Amyloid-Beta-Induced Inflammatory and Apoptotic Responses in Rats. **Eur. J. Clin. Invest. 2013 Oct;43(10):1039-51**

Gharagozloo M, Javid E, Rezaei A, **Mousavizadeh K**, Silymarin Inhibits Cell Cycle Progression and mTOR Activity in Activated Human T Cells: Therapeutic Implications for Autoimmune Diseases **Basic & Clinical Pharmacology & Toxicology, 2013, 112, 251-256**

Mousavizadeh K. Song of Outlandia. **N Engl J Med 2012; 367:1672** October 25, 2012

Rajabi P, Alaei M, **mousavizadeh K**, Samadikuchaksaraei, A Altered expression of TNFSF4 and TRAF2 mRNAs in peripheral blood mononuclear cells associated with atherosclerotic symptoms and lupus nephritis in systemic lupus erythematosus patients. **Inflamm. Res. (2012) 61:1347-1354**

Rahimian R, Dehpour AR, Fakhfouri G, Khorramizadeh MR, Ghia JE, Seyedabadi M, Caldarelli A, **Mousavizadeh K**, Forouzandeh M, Mehr SE. Tropisetron upregulates cannabinoid CB(1) receptors in cerebellar granule cells: Possible involvement of calcineurin. **Brain Res.** 2011 Oct 12;1417:1-8.

Nobakht M, Gharavi MJ, **Mousavizadeh K**, Bakhshayesh M, Ghafourifar P. Alteration of rat hippocampal neurogenesis and neuronal nitric oxide synthase expression upon prenatal exposure to tamoxifen. **Pathophysiology.** 2011 Sep;18(4):263-72.

Rahimian R, Fakhfouri G, Daneshmand A, Mohammadi H, Bahremand A, Rasouli MR, **Mousavizadeh K**, Dehpour AR. Adenosine A(2A) receptors and uric acid mediate protective effects of inosine against TNBS-induced colitis in rats. **Eur J Pharmacol. 2010 Dec 15;649(1-3):376-81**

Karimi M, Cohan N, **Mousavizadeh K**, Falahi MJ, Haghpanah S. Adverse effects of hydroxyurea in beta-thalassemia intermedia patients: 10 years' experience

Pediatr Hematol Oncol. 2010 Apr;27(3):205-11

Erratum in: *Pediatr Hematol Oncol.* 2011 Sep;28(6):538.

Moosavizadeh, Kazem [corrected to Mousavizadeh, Kazem].

Safa M, Zand H, **Mousavizadeh K**, Kazemi A, Bakhshayesh M, Hayat P. Elevation of cyclic AMP causes an imbalance between NF-kappaB and p53 in NALM-6 cells treated by doxorubicin.

FEBS Lett. 2010 Aug 4;584(15):3492-8

ZAFARI ZANGENEH FARIDEH, MINAEI B, AMIR ZARGAR ASHRAF, AHANGARPOUR A., **MOUSAVIZADEH K**. Effects of Chamomile Extract on Biochemical and Clinical Parameters in a Rat Model of Polycystic Ovary Syndrome.

J Reprod Infertil. 2010;11(3):169-74

Fakhfouri G, Rahimian R, Daneshmand A, Bahremand A, Rasouli MR, Dehpour AR, Mehr SE, **Mousavizadeh, K**.

Granisetron ameliorates acetic acid-induced colitis in rats.

Hum Exp Toxicol (2010) 29: 321-328

Khademvatan S, Gharavi MJ, Akhlaghi L, Samadikuchaksaraei A, Oormazdi H, **Mousavizadeh K**, Hadighi R, Saki J. Induction of Apoptosis by Miltefosine in Iranian Strain of *Leishmania infantum* Promastigotes. **Iranian J Parasitol (2009) 4: 23-31.**

Mousavizadeh K, Rahimian, R, Fakhfouri G. Sari Aslani, F, Ghafourifar, P. (2009) Anti-inflammatory effects of 5-HT₃ receptor antagonist, tropisetron on experimental colitis in rats. **Eur. J. Clin. Invest 39: 375-383.**

Nader F, **Mousavizadeh K**, Ghafourifar P. (2009) Annual International Geographic Medicine Congress Meetings in Shiraz, Iran: Publication Rates during 1999-2006. **Int J Biomed Sci 5: 44-49.**

Nader F, **Mousavizadeh K**, Ghafourifar P. (2008) Patient source for drug information in Iran: a questionnaire-based survey. **Pharm World Sci 30:764-767**

Mousavizadeh K, Stratz T, Mueller W, Fiebich BL. 5-HT₃ receptor antagonist for the treatment of tendinopathy. **Nat Clin Pract Rheumatol. 2008 4:E4**

Samadikuchaksaraei, A, **Mousavizadeh K.** High-tech biomedical research: lessons from Iran's experience. **BioMedical Engineering OnLine 2008, 7:17.**

Ghafourifar P, **Mousavizadeh K,** Parihar MS, Nazarewicz RR, Parihar A, Zenebe WJ. (2008) Mitochondria in multiple sclerosis. **Front Biosci 13:3116-26.**

Karimi M, Zekavat OR, Sharifzadeh S, **Mousavizadeh K.** Clinical response of patients with sickle cell anemia to cromolyn sodium nasal spray. Am J Hematol. 2006 Nov;81(11):809-16. Erratum in: Am J Hematol. 2011 Nov;86(11):965. Mosavizadeh, Kazem [corrected to Mousavizadeh, Kazem].

Kazerooni, T. **Mousavizadeh, K.** Abdollahee, AR. Sarkarian, M and Sattar, AR. (2006) Abortifacient effect of *Prangos ferulacia* on pregnant rats. **Contraception 73(5):554-6.**

Mousavizadeh, K. Dehpour, A.R., Minagar, A. and Ghafourifar, P. (2003) Uric acid: a novel treatment strategy for multiple sclerosis. **Trends Pharmacol. Sci.24:563-564**

Mousavizadeh, K. Ghafourifar, P. and Sadeghi-Nejad H. (2002) Calcium Channel Blocking Activity of Thioridazine, Clomipramine and Fluoxetine in Isolated Rat Vas Deferens: A Relative Potency Measurement Study. **J. Urol. 168:2716-2719**

Sekhavat, A.R., **Mousavizadeh, K.,** Pakshir, H. and Sari Aslani, F. (2002) Effect of misoprostol, a prostaglandin E1 analog, on orthodontic tooth movement in rats. **Am. J. Orthod. Dentofacial. Orthop. 122:542-547.**

Dehpour, A.R., **Mousavizadeh, K.** and Gerayesh-Nejad, S. (1998) Calcium release by diltiazem from isolated sarcoplasmic reticulum of rabbit skeletal muscle. **Gen. Pharmacol. 31:463-468.**

Dehpour, A.R., Ghafourifar P., Firouzi, G.A., Karim Zadeh, S., **Mousavizadeh, K.,** Djamali, M., Shahrokhi M. (1997) Inhibition by lithium of gentamicin-induced release of N-acetyl-beta-D-glucosaminidase in isolated rat kidney. **Toxic Subst Mech 16:1-13.**

Dehpour, A.R., Noughnejad, P., **Mousavizadeh, K.**, Ghafourifar, P., Djamali, M. and Borhanimoghadam, B. (1996) Cyclosporin A-induced functional and morphological changes in pilocarpin treated rat submandibular glands. ***Toxicology* 108:65-71.**

Dehpour, A R., Kiani, K., Ghafourifar, P. and **Mousavizadeh, K.** (1995) Conditions that lithium inhibits or potentiates vasopressin V1-receptor-mediated platelet aggregation and $[Ca^{++}]_i$ mobilization. ***Gen. Pharmacol.* 26:1659-1567.**

Dehpour, A.R., Ghafourifar, P., Madani, F., **Mousavizadeh, K.** and Abdollahi, M. (1995) Effects of vinca alkaloids on rat parotid and submandibular gland function in vivo. ***Gen. Pharmacol.* 26:321-325.**

Dehpour, A.R., Ghafourifar, P., Modanlou Juibari, A. and **Mousavizadeh, K.** (1995) Alteration by oabain of rat submandibular glands function. ***Gen. Pharmacol.* 26:1009-1013.**

Dehpour, A.R., Ghafourifar, P., Massoudi, S., Abdollahi, M. and **Mousavizadeh, K.** (1995) On the relation of calcium channel blockers to rat parotid and submandibular glands function in vivo. ***Gen. Pharmacol.* 26:619-622.**

Dehpour, A.R., Ghafourifar, P., Shadan, F., Shahbazi, N., **Mousavizadeh, K.** and Moslehi, H. (1995) Evidence that the P1-purinoreceptor in the mouse isolated vas deferens is an A1-subtype. ***Acta Medica Iranica* 33:64-68.**

Dehpour, A R., Delfan, A., **Mousavizadeh, K.** and Mortazavi, S.R. (1995) Effects of atropine, pirenzepine, clonidine, and morphine on biphasic response of rat gastric fundus to field stimulation. ***Gen. Pharmacol.* 25: 951-955.**

PRESENTATION IN CONFERENCES (PROCEEDING ABSTRACTS)

R. RAHIMIAN, G. FAKHFOURI, S. EJTEMAEI MEHR, M.R. KHORRAMIZADEH, K. MOUSAVIZADEH & A.R. DEHPOUR
Tropisetron upregulates cannabinoid CB1 receptors in cerebellar granule cells: possible involvement of calcineurin. 8th IBRO, World Congress of Neuroscience, International Brain Research Organization, Florence-Italy, July 14-18, 2011

Mousavizadeh, K., Rahimian, R., Fakhfouri, G., Sari Aslani, F. Ghafourifar, P. Anti-inflammatory effects of 5-HT₃ receptor antagonist, tropisetron on experimental colitis in rats. 42nd Annual Scientific Meeting of the European Society for Clinical Investigation. Geneva, Switzerland 26 - 29 March 2008 *Eur J of Clin Invest* April 2008 - Vol. 38 (Suppl. 1), Page 6.

Mousavizadeh, K., Jameie, B. Effects of silymarin on postoperative peritoneal adhesions and cytokine expression in a rat model. ASRM 2007 Annual Meeting, Washington, DC. *Fertility and Sterility*, Volume 88, Supplement 1, September 2007, Page S219.

Aflaki, E., Mousavizadeh, K., Yaahoubi, E., Nik Pur, H. Serum uric acid levels in patients with rheumatoid arthritis and its correlation with the disease activity. 12th APLAR Congress, 1-5 August, Kuala Lumpur, Malaysia. *APLAR Journal of Rheumatology* 2006; 9(Suppl. 1):A173.

Kazerooni, T., Mousavizadeh, K. Effect of *Prangos Ferulacea* on Abortion on Pregnant Rats. ASRM/CFAS 2005 Annual Meeting, Montreal, Quebec, Canada. *Fertility and Sterility* Volume 84, Supplement 1, September 2005, Pages S168-S169

Mousavizadeh, K., Karimi, M., Zekavat, OR. Cromolyn sodium nasal spray as an adjunct therapy in sickle cell diseases; A pilot clinical trial. *17th International Congress of Geographic Medicine. Shiraz, Iran. November 23-25, 2004.*

Zamiri, B., Mousavizadeh, K., Tajeddini, M. Comparative efficacy of Ibuprofen, Celecoxib, and Tramadol on dental pain after mandibular third molar extraction. *17th International Congress of Geographic Medicine. Shiraz, Iran. November 23-25, 2004.*

Mousavizadeh, K., Karimi, M. Safety profile of long term administration of low dose hydroxyurea in thalassemia intermedia. ASCPT 2004 Annual Meeting, March 24-27, 2004, Miami Beach, Florida. *Clinical Pharmacology & Therapeutics* - February 2004 (Vol. 75, Issue 2, Page P58).

Mousavizadeh, K., Ghafourifar, P., Rostami, A. Increased activity of inducible nitric oxide synthase in pregnancy: An experimental study. *16th International Congress of Geographic Medicine. Shiraz, Iran. December 1-4, 2003.*

Mousavizadeh, k., Karimi, M., Fallahi, MJ. Safety profile of long-term administration of low-dose hydroxyurea in thalassemia intermedia. *16th International Congress of Geographic Medicine. Shiraz, Iran December 1-4, 2003.*

Mousavizadeh, K., Tabatabaei, S., Sadeghi-Nejad, H. Calcium channel blocking activity of thioridazine, clomipramine and fluoxetine in isolated vas deferens. A relative-potency measurement study and implications in drug-induced male factor infertility. *J. Urol.* **167**: Supplement, pp. 314. *Annual Meeting, American Urological Association , Orlando, Florida, May 25-30 2002.*

Mousavizadeh, K., Larijani, MB., Moslehi, H. and Dehpour, A.R. Altered calcium homeostasis in poorly controlled IDDM patients. XIIIth International Congress of Pharmacology . 26-31 July 1998, Munchen, Germany. *Naunyn-Schmiedeberg's Archives of Pharmacology* Volume 358, Number 1 (Supplements 1 and 2), pp. R680 1998.

Ghafourifar, P., Dehpour, A R., Noughnejad, P., Mousavizadeh, K. and Borhanimoghadam, B. Cyclosporin-induced ultrastructural and functional alteration on rat submandibular glands.

*Can. J. Physiol. Pharmacol.***72**, Suppl 1, 1994.

Kiani, K., Dehpour, AR., Mousavizadeh, K. and Ghafourifar, P. Effects of lithium and Neomycin on vasopressin V1-receptor-mediated platelet aggregation and intracellular calcium mobilization. *Can. J. Physiol. Pharmacol.***72**, Suppl 1, 1994.

Dehpour, A R. and Mousavizadeh, K. Calcium-release by diltiazem from sarcoplasmic Reticulum of rabbit skeletal muscle.

*Eur.J.Pharmacol.***183/2**, July 1990.