

CURRICULUM VITAE

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EMPLOYMENT HISTORY

Professor, April 2010-Present

Dept. of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Associate Professor, December 2005-April 2010

Dept. of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Assistant Professor, June 2001-December 2005

Dept. of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Teaching Assistant, 1997-2001

Faculty of Pharmacy, University of Toronto, Toronto, Ontario
Dept. of Pharmacology, University of Toronto, Ontario

Clinical Pharmacy Preceptor, 1992-1996

Shohada-e-Tajrish Teaching Hospital, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Instructor, 1991-1996

Dept. of Clinical Pharmacy, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Chairman of Dept. of Pharmacology and Toxicology, Feb 2007-Feb 2009; March 2018-2020.

Dept. of Pharmacology and Toxicology, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Member of National Board of Examiners of Toxicology, 2005-Present

Pharmaceutical Sciences Higher Education Council, Iranian Ministry of Health and Medical Education, Tehran, Iran

Research and development (R&D) manager in the Behin Tamin Roozamad Pharmaceutical Industry, 2017-Present

Behin Tamin Roozamad private pharmaceutical industry, Tehran, Iran

Secretary of Iranian Cell Death Society, 2009-2014

Iranian Medical Council, Iranian Ministry of Health and Medical Education, Tehran, Iran

Member of National Board of Trustees of Iranian Society of Toxicology, 2006-2009

Iranian Medical Council, Iranian Ministry of Health and Medical Education, Tehran, Iran

Member of Editorial Board of Iranian Journal of Pharmaceutical research,

September 2005-Present, Faculty of Pharmacy, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Member of Editorial Board of Current Clinical Pharmacology, September 2017-

Present, Bentham Science Publishers, Sharjah, United Arab Emirates

Member of Editorial Board of Iranian Journal of Pharmaceutical sciences, September

2015-Present, Iranian Society of Pharmaceutical Scientists, Pharmaceutical Sciences Research Center, Shahid Beheshti University of Medical Sciences, Valiasr Ave., Tehran, Iran

Member of Editorial Board of Trends in Peptide and Protein Sciences, December

2016-Present, Protein Technology Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Member of Editorial Board of Asian Pacific Journal of Cancer Prevention, September

2020-Present, West Asia Organization for Cancer Prevention (WAOCP), APOCP's West Asia Chapter, Tehran, Iran

Dr. Jalal Pourahmad Scientometric professional pages

Dr. Jalal Pourahmad professional page on Iranian Scientometrics Information Database

https://isid.research.ac.ir/Jalal_PourahmadJaktaji

Dr. Jalal Pourahmad professional page on LinkedIn

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Dr. Jalal Pourahmad Published papers on SCOPUS

<https://www.scopus.com/authid/detail.uri?authorId=6603568950>

Dr. Jalal Pourahmad Published papers on Web of Science

Web of Science ResearcherID: AAX-1920-2020

<https://www.webofscience.com/wos/author/record/380014>

Dr. Jalal Pourahmad Published papers on Google Scholar

https://scholar.google.com/citations?hl=en&user=SLqpnmoAAAAJ&view_op=list_works&sortby=pubdate

Dr. Jalal Pourahmad Published papers on PubMed

<https://pubmed.ncbi.nlm.nih.gov/?term=pourahmad+j&filter=years.2022-2022>

EDUCATION

Doctor of Philosophy, 1998-2001

Faculty of Pharmacy, University of Toronto, Toronto, Ontario

Thesis title: A combinatorial approach for metal cytotoxic mechanisms

Master of Science, 1997-1998

Faculty of Pharmacy, University of Toronto, Toronto, Ontario

Thesis title: A comparison of molecular cytotoxic mechanisms of Cu^{+2} and Cd^{+2}

Doctor of Pharmacy (Pharm.D.), 1982-1988

Faculty of Pharmacy, Mashhad University of Medical Sciences, Mashhad,
Khorasan, Iran

Thesis title: Extraction and purification of human chorionic gonadotropin from urine of pregnant human

RESEARCH INTERESTS

Most drugs have a limited dosage as a result of toxic side effects particularly following chronic use. Toxicity also occurs when higher doses are administered accidentally or deliberately. Drugs chosen for their toxicity towards tumor cells can also cause toxicity towards normal tissues. I am exploring ways of decreasing the toxicity of drugs and increasing their therapeutic specificity. These methods include the use of less toxic drug analogues, antidotes, improving the nutritional status of the patient and targeting of the drug to the tissue that requires therapy.

The biochemical research techniques used include the monitoring of changes in biomolecules and cellular metabolism when drugs are administered in vivo, perfused intact organs, or incubated with intact cells or subcellular fractions. Drugs currently being studied include analgesics, quinone anticancer drugs, nitroaromatic antibacterial-antifungal-antiparasitic drugs and antimalarials. Cell systems studied include hepatocytes, tumor cell and neuron cultures.

My studies on the sequence of events for drug induced cytotoxicity have shown that mitochondrial toxicity and some times lysosomal toxicity occurs. mitochondrial toxicity causes both reductive stress and ATP depletion which releases iron and activates oxygen. The latter causes the lysosomal reactive oxygen species formation and lysosomal membrane rupture which leads to release of deadly proteases and phospholipases. Cell death could therefor be prevented by antioxidants, iron chelation or by restoring cellular redox potential. Apoptosis inhibitors eg. inhibitors of proteases, protein synthesis or RNA transcription also prevented drug induced cytotoxicity.

The above should provide a useful working hypothesis to understand various disease states as well as help design safer drugs and better methods for treating diseases.

Dr. Pourahmad's PUBLICATIONS (Books)

- 1) Pourahmad J. General Toxicology, Tehran, Iran: Samat Publications 2006 (Farsi).
- 2) Pourahmad J. A Combinatorial Approach in Metal Cytotoxic Mechanisms, Saarbrücken, Germany: Lap Lambert Academics Publishing 2012 (English).
- 3) Pourahmad J, Salimi A, Seydi E. Mitochondrial Targeting for Drug Development, *Toxicology Studies - Cells, Drugs and Environment*. Edited by: Ana Cristina Andreazza and Gustavo Scola. ISBN 978-953-51-2140-4, 242 pages, Publisher: InTech, under CC BY 3.0 license, 2015 (English)

- 4) Pourahmad J. Islamic Medical Science in the West, Tehran, Iran: Shahid Beheshti University of Medical Sciences Publications 2006 (Farsi).
- 5) Pourahmad J, Salimi A, Seydi E. Role of Oxygen Free Radicals in Cancer Development and Treatment, *Free Radicals and Diseases*. Edited by: Rizwan Ahmad. ISBN 978-953-51-2746-8, 374 pages, Publisher: InTech, , 2016 (English)
- 6) Jalal Pourahmad, Marjan Aghvami, Mohammad Hadi Zarei, Parvaneh Naserzadeh Cigarette Smoke and Mitochondrial Damage, *Mitochondrial Dysfunction Caused by Drugs and Environmental Toxicants*, Edited by: Yvonne Will, James A. Dykens Online ISBN:9781119329725, Pages 709-725, Publisher: John Wiley & Sons, Inc. 2018 (English)
- 7) Hosseini M, Pourahmad J. Clinical Management of Poisoning and Drug Overdose, Based on translation of selected topics of Haddad and Winchester's Clinical Management of Poisoning and Drug Overdose 4th edition (2007), Tehran, Iran: Shahid Beheshti University of Medical Sciences Publications 2018 (Farsi).
- 8) Ahmad Salimi, Jalal Pourahmad, Chapter 16 - Role of Natural Compounds in Prevention and Treatment of Chronic Lymphocytic Leukemia, Editor(s): Ronald Ross Watson, Victor R. Preedy, Sherma Zibadi, Polyphenols: Prevention and Treatment of Human Disease (Second Edition), Academic Press, 2018, Pages 195-203,
- 9) Salimi A., Pourahmad J. (2018) In Vivo Analysis of Apoptosis in Embryonic Hippocampus. In: Félix L. (eds) Teratogenicity Testing. Methods in Molecular Biology, vol 1797. Humana Press, New York, NY
- 10) Salimi A., Pourahmad J. (2018) Measurement of Mitochondrial Toxicity Parameters in Embryonic Hippocampus. In: Félix L. (eds) Teratogenicity Testing. Methods in Molecular Biology, vol 1797. Humana Press, New York, NY.
- 11) Salimi A., Pourahmad J. (2018) Animal Tests for Evaluation of Cognitive Impairment in Neonatal Mouse. In: Félix L. (eds) Teratogenicity Testing. Methods in Molecular Biology, vol 1797. Humana Press, New York, NY.
- 12) Rezaei M., Handali S., Pourahmad J. (2021) Mitotherapy, an Attractive Avenue for the Future Medicine. In: Pourahmad J., Rezaei M. (eds) Mitochondrial Metabolism: An Approach to Disease Management, 1st edition. Elsevier Science, Cambridge, MA, USA
- 13) Rezaei M., Handali S., Pourahmad J. (2021) Mitochondria and cancer therapy. In: Pourahmad J., Rezaei M. (eds) Mitochondrial Metabolism: An Approach to Disease Management, 1st edition. Elsevier Science, Cambridge, MA, USA
- 14) Yousefsani B., Dadmehr M., Pourahmad J. (2021) Updates on mitochondria, calorie restriction and aging. In: Pourahmad J., Rezaei M. (eds) Mitochondrial Metabolism: An Approach to Disease Management, 1st edition. Elsevier Science, Cambridge, MA, USA
- 15) Rezaei M., Handali S., Pourahmad J. (2021) Mitochondria as balancers of reduction/oxidation for intracellular environment. In: Pourahmad J., Rezaei M. (eds) Mitochondrial Metabolism: An Approach to Disease Management, 1st edition. Elsevier Science, Cambridge, MA, USA
- 16) Pourahmad J, Arjmand A. (2023) Chapter 4 - Emerging roles for phospholipase A2 superfamily and their metabolites in carcinogenesis, Editor(s): Sajal Chakraborti, Phospholipases in Physiology and Pathology (Vol. 3), Academic Press, Cambridge, MA, USA, Pages 55-64.
- 17) Dadmehr M., Yousefsani B.S., Pourahmad J. (2023) Chapter 4 - Anticancer role of natural compounds targeting phospholipase A2, Editor(s): Sajal Chakraborti, Phospholipases in Physiology and Pathology (Vol. 5), Academic Press, Cambridge, MA, USA Pages 55-66.

PUBLICATIONS (Full Papers) As Corresponding Author and Research Manager

- 1) Kamranfar F, Jaktaji RP, Shirani K, Jamshidi A, Samiei F, Arjmand A, Khoramjouy M, Faizi M, Pourahmad J. Protective effect of a standardized *Allium jesdianum* extract in an Alzheimer's disease

- induced rat model. *Neurosci Lett.* 2023 Sep 19;815:137491. doi: 10.1016/j.neulet.2023.137491. PMID: 37734531
- 2) Seydi E, Rahemi M, Esmaily H, Arjmand A, Pourahmad J. Mitochondrial transplantation attenuates toxicity in rat renal proximal tubular cells caused by Favipiravir. *J Pharm Pharmacol.* 2023 Sep 21;rgad079. doi: 10.1093/jpp/rgad079. PMID: 37738481
 - 3) Salami M, Pourahmad J, Zarei MH. Toxicity of para-phenylenediamine (PPD;1, 4 diaminobenzene) on isolated human lymphocytes: The key role of intracellular calcium enhancement in PPD-induced apoptosis. *Toxicol Ind Health.* 2023;7482337231176594. doi: 10.1177/07482337231176594. Online ahead of print. PMID: 37243687
 - 4) A Arjmand, M Faizi, M Rezaei, J Pourahmad. The Effect of Donor Rat Gender in Mitochondrial Transplantation Therapy of Cisplatin-Induced Toxicity on Rat Renal Proximal Tubular Cells. *Innovative Journal of Pharmaceutical Research*, 2023: 22 (1)
 - 5) A Arjmand, S Shiranirad, F Ameritorzani, F Kamranfar, E Seydi, J Pourahmad. Mitochondrial transplantation against gentamicin-induced toxicity on rat renal proximal tubular cells: the higher activity of female rat mitochondria. *In vitro cellular & developmental biology. Animal*, 2023: 59(1):31-40.
 - 6) M Noruzi , H Behmadi, Z Halvaei Khankahdani, O Sabzevari, A Foroumadi, M Ghahremani, J Pourahmad et al. Alpha pyrrolidinovalerophenone (α -PVP) administration impairs spatial learning and memory in rats through brain mitochondrial dysfunction. *Toxicology and applied pharmacology*, 2023: 467, 116497
 - 7) Y Arast, A Jabbarzadeh, F Tanbakosazan, A Arjmand, A Vazirizadeh, J Pourahmad. Toxicity of Persian Gulf shell-less marine mollusc (*Peronia peronii*) methanolic extract on melanoma tumor mitochondria. *Cutaneous and ocular toxicology*, 2023: 42(1):12-18
 - 8) A Arjmand, M Mashhadi, A Kaveh, F Kamranfar, E Seydi, J Pourahmad. Mitochondrial Transplantation Therapy against Ifosfamide Induced Toxicity on Rat Renal Proximal Tubular Cells. *Drug research*, 2023: 73(2):113-120
 - 9) J Pourahmad, M Salami, MH Zarei. Comparative Toxic Effect of Bulk Copper Oxide (CuO) and CuO Nanoparticles on Human Red Blood Cells. *Biological trace element research*, 2023: 201(1):149-155.
 - 10) E Seydi, M Karbalay, S Naderpour, A Arjmand, J Pourahmad. Cardiotoxicity of chloroquine and hydroxychloroquine through mitochondrial pathway. *BMC Pharmacology and Toxicology* 2023: (in press)
 - 11) M Afrasiabi, G Tahmasebi, E Eslami, E Seyedi, J Pourahmad. Cold Atmospheric Plasma Versus Cisplatin Against Oral Squamous Cell Carcinoma: A Mitochondrial Targeting Study. *Iranian Journal of Pharmaceutical Research* 2022: 21 (1)
 - 12) M Rahimifard, Z Bagheri, M Hadjighassem, RP Jaktaji, E Behroodi, J Pourahmad,..Investigation of anti-cancer effects of new pyrazino [1, 2-a] benzimidazole derivatives on human glioblastoma cells through 2D in vitro model and 3D-printed microfluidic device. *Life Sciences* 2022: 302, 120505
 - 13) Y Arast, M Heidary, F Tanbakosazan, S Behnamipour, A Vazirizadeh, J Pourahmad,... Selective toxicity of *Cistanche tubulosa* root extract on cancerous skin mitochondria isolated from animal model of melanoma. *Cutaneous and Ocular Toxicology* 2022: 41 (3), 243-249.
 - 14) BS Yousefsani, A Salimi, F Imani, M Ramezani, K Shirani, E Seydi, J Pourahmad, ...Risperidone Toxicity on Human Blood Lymphocytes in Nano molar Concentrations. 2022: *Drug Research* (in press).
 - 15) J Pourahmad, M Salami, MH Zarei. Comparative Toxic Effect of Bulk Copper Oxide (CuO) and CuO Nanoparticles on Human Red Blood Cells. *Biological Trace Element Research*, 2022: 1-7.
 - 16) E Seydi, Z Irandoost, MG Khansari, P Naserzadeh, F Tanbakosazan, J Pourahmad, ...Toxicity of Hydrogen Sulfide on Rat Brain Neurons. *Drug Research* 2022: 72 (04), 197-202.
 - 17) V Atabaki, E Seydi, T Hosseinabadi, J Pourahmad, M Ramezani, F Samiei. Toxicity effect of sesquiterpene lactones from *Jurinea gabrielliae* bornm on mitochondria isolated from U87 cells. *Natural Product Research* 2022: 36 (4), 1073-1077.

- 18) E Seydi, N Jafarzadeh, P Naserzadeh, A Vazirizadeh, M Mirshamsi, J Pourahmad, ... Selective Toxicity Effect of *Chrysaora quinquecirrha* Crude Venom on Human Colorectal Tumor Cells by Directly Targeting Mitochondria. *Asian Pacific Journal of Cancer Prevention* 2022; 23 (2), 511-517.
- 19) A Salimi, A Alavehzadeh, M Ramezani, J Pourahmad. Differences in sensitivity of human lymphocytes and fish lymphocytes to polyvinyl chloride microplastic toxicity. *Toxicology and Industrial Health* 2022; 38 (2), 100-111
- 20) A Salimi, R Pashaei, S Bohlooli, M Vaghar-Moussavi, J Pourahmad. Analysis of the acrylamide in breads and evaluation of mitochondrial/lysosomal protective agents to reduce its toxicity in vitro model. *Toxin reviews* 2022; 41 (1), 198-207.
- 21) R Ahmad, M Riaz, M Aldholmi, MA Qureshi, S Uddin, AA Bhat, P Poyil, J Pourahmad, ... Development of a Critical Appraisal Tool (AIMRDA) for the Peer-Review of Studies Assessing the Anticancer Activity of Natural Products: A Step towards Reproducibility. *Asian Pacific Journal of Cancer Prevention* 2022: APJCP 22 (12), 3735
- 22) Salimi A, Alyan N, Akbari N, Jamali Z, Pourahmad J. Selenium and L-carnitine protects from valproic acid-Induced oxidative stress and mitochondrial damages in rat cortical neurons. *Drug Chem Toxicol.* 2022; 45 (3), 1150-1157
- 23) Seydi E, Sadeghi H, Ramezani M, Mehrpouya L, Pourahmad J. Selective Toxicity Effect of Fatty Acids Omega-3, 6 and 9 Combination on Glioblastoma Neurons through their Mitochondria. *Drug Res (Stuttg).* 2022 ;72(2):94-99.
- 24) Rahimifard M, Jalalimanesh N, Movahed MA, Hadjighassem M, Pourahmad Jaktaji R, Bagheri Z, Pourahmad J, Zarghi A. Antiproliferative activity of new derivatives of pyrazino[1,2-a]benzimidazole: Integrated cell-based assay and computational studies with divalent magnesium, iron, and copper ions. *J Biochem Mol Toxicol.* 2022: e23155.
- 25) R Dizaji, A Sharafi, J Pourahmad, S Vatanpour, H Dinmohammadi, ... Correlation between coenzyme Q10 content and the nutrient sensors in AKI induced by *Hemiscorpius lepturus* envenomation. *BioImpacts* 2022; 12 (5), 431-438.
- 26) Salimi A, Rahimitabar N, Vazirizadeh A, Adhami V, Pourahmad J. Persian Gulf Snail Crude Venom (*Conus textile*): A Potential Source of Anti-Cancer Therapeutic Agents for Glioblastoma through Mitochondrial-Mediated Apoptosis. *Asian Pac J Cancer Prev.* 2021 Feb 1;22(S1):49-57.
- 27) Salimi A, Salehian S, Aboutorabi A, Vazirizadeh A, Adhami V, Sajjadi Alehashem SH, Seydi E, Pourahmad J. Cytotoxicity Studies of the Crude venom and Fractions of Persian Gulf Snail (*Conus textile*) on Chronic Lymphocytic Leukemia and Normal Lymphocytes. *Asian Pac J Cancer Prev.* 2021 May 1;22(5):1523-1529.
- 28) Afrasiabi M, Seydi E, Rahimi S, Tahmasebi G, Jahanbani J, Pourahmad J. The selective toxicity of superparamagnetic iron oxide nanoparticles (SPIONs) on oral squamous cell carcinoma (OSCC) by targeting their mitochondria. *J Biochem Mol Toxicol.* 2021 Jun;35(6):1-8.
- 29) Zamani F, Samiei F, Mousavi Z, Azari MR, Seydi E, Pourahmad J. Apigenin ameliorates oxidative stress and mitochondrial damage induced by multiwall carbon nanotubes in rat kidney mitochondria. *J Biochem Mol Toxicol.* 2021 Jun;35(6):1-7.
- 30) Shafie B, Pourahmad J, Rezaei M. N-acetylcysteine is more effective than ellagic acid in preventing acrolein induced dysfunction in mitochondria isolated from rat liver. *J Food Biochem.* 2021 Jul;45(7):e13775.
- 31) Rezaei M, Karimian L, Shafaghi B, Noubarani M, Salech M, Shafi Dehghani M, Eskandari MR, Pourahmad J. Evaluation of Molecular and Cellular Alterations Induced by Neuropathic Pain in Rat Brain Glial cells. *Iran J Pharm Res.* 2021 Winter;20(1):359-370.
- 32) Seydi E, Mehrpouya L, Sadeghi H, Rahimi S, Pourahmad J. Luteolin attenuates Fipronil-induced neurotoxicity through reduction of the ROS-mediated oxidative stress in rat brain mitochondria. *Pestic Biochem Physiol.* 2021 Mar;173:104785.

- 33) Ramezani M, Samiei F, Pourahmad J. Anti-Glioma Effect of Pseudosynanceia Melanostigma Venom on Isolated Mitochondria from Glioblastoma Cells. *Asian Pac J Cancer Prev.* 2021 Jul 1;22(7):2295-2302.
- 34) Tahmasebi G, Eslami E, Naserzadeh P, Seydi E, Pourahmad J. Role of Mitochondria and Lysosomes in the Selective Cytotoxicity of Cold Atmospheric Plasma on Retinoblastoma Cells. *Iran J Pharm Res.* 2020 Fall;19(4):203-215.
- 35) Atabaki V, Seydi E, Hosseinabadi T, Pourahmad J, Ramezani M, Samiei F. Toxicity effect of sesquiterpene lactones from *Jurinea gabrielliae* bornm on mitochondria isolated from U87 cells. *Nat Prod Res.* 2020 Nov 16:1-5.
- 36) Salimi A, Aghvami M, Azami M, Zarei MH, Eshghi P, Zarghi A, Pourahmad J. Evaluation of Cytotoxic Potentials of Novel Cyclooxygenase-2 Inhibitor Against ALL Lymphocytes and Normal Lymphocytes and Its Anticancer Effect Through Mitochondrial Pathway. *Cancer Investigation.* 2020 Sep 38(8-9):463-475.
- 37) Samiei F, Shirazi FH, Naserzadeh P, Dousti F, Seydi E, Pourahmad J. Toxicity of multi-wall carbon nanotubes inhalation on the brain of rats. *Environmental Science and Pollution Research.* 2020 Jan 27:1-6.
- 38) Jahanbani J, Ghotbi M, Shahsavari F, Seydi E, Rahimi S, Pourahmad J. Selective anticancer activity of superparamagnetic iron oxide nanoparticles (SPIONs) against oral tongue cancer using in vitro methods: The key role of oxidative stress on cancerous mitochondria. *Journal of Biochemical and Molecular Toxicology.* 2020 Jun 25:e22557.
- 39) Kiani A, Nik SH, Khodadoost A, Salimi A, Pourahmad J. Trifluoperazine an Antipsychotic Drug and Inhibitor of Mitochondrial Permeability Transition Protects Cytarabine and Ifosfamide-Induced Neurotoxicity. *Drug research.* 2020 Jun;70(06):265-72.
- 40) Salimi A, Bahiraei T, Ahdeno S, Vatanpour S, Pourahmad J. Evaluation of Cytotoxic Activity of Betanin Against U87MG Human Glioma Cells and Normal Human Lymphocytes and Its Anticancer Potential Through Mitochondrial Pathway. *Nutrition and Cancer.* 2021;73(3):450-459.
- 41) Salimi A, Bahreini F, Jamali Z, Pourahmad J. Mesalazine Induces Oxidative Stress and Cytochrome c Release in Isolated Rat Heart Mitochondria: An Analysis of Cardiotoxic Effects. *International Journal of Toxicology.* 2020 May;39(3):241-7.
- 42) Yousefsani BS, Askian R, Pourahmad J. A new approach on lithium-induced neurotoxicity using rat neuronal cortical culture: Involvement of oxidative stress and lysosomal/mitochondrial toxic Cross-Talk. *Main Group Metal Chemistry.* 2020 Apr 29;43(1):15-25.
- 43) Yousefsani BS, Nabavi N, Pourahmad J. Contrasting Role of Dose Increase in Modulating Sofosbuvir-Induced Hepatocyte Toxicity. *Drug research.* 2020 Apr;70(04):137-44.
- 44) Seydi E, Tabbati Y, Pourahmad J. Toxicity of atenolol and propranolol on rat heart mitochondria. *Drug research.* 2020 Apr;70(04):151-7.
- 45) Azari MR, Mohammadian Y, Pourahmad J, Khodaghali F, Mehrabi Y. Additive toxicity of Co-exposure to pristine multi-walled carbon nanotubes and benzo α pyrene in lung cells. *Environmental Research.* 2020 Apr 1;183:109219.
- 46) Taghizadeh G, Mehdizadeh H, Lavasani H, Ardakani YH, Foroumadi A, Khankahdani ZH, Moshtagh A, Pourahmad J, Sharifzadeh M, Rouini MR. Dose concentration and spatial memory and brain mitochondrial function association after 3, 4-methylenedioxymethamphetamine (MDMA) administration in rats. *Archives of Toxicology.* 2020 Mar;94(3):911-25.
- 47) Taghizadeh G, Mehdizadeh H, Pourahmad J, Foroumadi A, Hassani S, Khankahdani ZH, Noruzi M, Behmadi H, Lavasani H, Rouini MR, Sharifzadeh M. Bucladesine Attenuates Spatial Learning and Hippocampal Mitochondrial Impairments Induced by 3, 4-Methylenedioxymethamphetamine (MDMA). *Neurotoxicity Research.* 2020 Feb 27:1-2.
- 48) Seydi E, Mahzari F, Zarei MH, Ramazani M, Pourahmad J. Hexavalent Chromium Induced Oxidative Stress and Toxicity on isolated human lymphocytes. *International Pharmacy Acta.* 2020 Feb;3(1).

- 49) Seydi E, Servati T, Samiei F, Naserzadeh P, Pourahmad J. Toxicity of Pioglitazone on Mitochondria Isolated from Brain and Heart: An Analysis for Probable Drug-Induced Neurotoxicity and Cardiotoxicity. *Drug research*. 2020 Feb;70(02/03):112-8.
- 50) Dizaji R, Sharafi A, Pourahmad J, Vatanpour S, Hosseini MJ, Vatanpour H. The effects of Hemiscorpius lepturus induced-acute kidney injury on PGC-1 α gene expression: From induction to suppression in mice. *Toxicon*. 2020 Jan 30;174:57-63.
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- 53) Behzadfar L, Hassani S, Feizpour H, Abbasian N, Maghsoudi AS, Taghizadeh G, Pourahmad J, Sharifzadeh M. Effects of mercuric chloride on spatial memory deficit-induced by beta-amyloid and evaluation of mitochondrial function markers in the hippocampus of rats. *Metallomics*. 2020;12(1):144-53.
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- 58) M Soltani, MH Zarei, A Salimi, J Pourahmad (2019) Mitochondrial protective and antioxidant agents protect toxicity induced by depleted uranium in isolated human lymphocytes. *Journal of environmental radioactivity* 203, 112-116
- 59) P Naserzadeh, G Taghizadeh, B Atabaki, E Seydi, J Pourahmad (2019) A comparison of mitochondrial toxicity of mephedrone on three separate parts of brain including hippocampus, cortex and cerebellum. *Neurotoxicology* 73, 40-49
- 60) MR Azari, Y Mohammadian, H Peirovi, M Omid, F Khodaghohi, ... (2019) Antagonistic effect of co-exposure to short-multiwalled carbon nanotubes and benzo [a] pyrene in human lung cells (A549). *Toxicology and Industrial Health* 35 (6), 445-456
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PROFESSIONAL MEMBERSHIPS

Apr 1988-Present	Iranian Board of Pharmacists Tehran, Iran
Apr 1988-Present	Iranian Medical Council Tehran, Iran
Sep 1995-Present	Iranian Society of Toxicology Tehran, Iran
Jun 1999-Present	International society for the study of Xenobiotics

Sep 1999-Present Bethesda, Maryland, USA
American Chemical Society
(Branch of Chemical Toxicology)
Washington, DC, USA

Feb 2000-Present Society of Toxicology
Reston, VA, USA

AWARDS

Sep 1997-2001 Graduate Scholarship
Ministry of Health and Medical Education, Tehran, Iran

Sep 1998-2001 University of Toronto open fellowship
University of Toronto, Toronto, Ontario, Canada

May 2003 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Instructor

Dec 2003 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Researcher

May 2004 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Instructor

Dec 2005 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Researcher

Dec 2005 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Research project

Dec 2006 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Research project

Dec 2006 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Researcher

May 2007 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Instructor

Dec 2007 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Research project

Dec 2007 Shahid Beheshti University of Medical Sciences Annual Award for
the Best Researcher

Aug 2008 Best Presentation Award

The 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran

- May 2009 Shahid Beheshti University of Medical Sciences Annual Award for the Best Instructor
Shahid Beheshti University of Medical Sciences, Tehran, Iran
- Aug 2010 Best Presentation Award
The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran
- Dec 2010 Shahid Beheshti University of Medical Sciences Annual Award for the Best Researcher
- Oct 2011 Best Speaker & Best Oral Presentation Award
EPS Anti Cancer Drugs 2011. Stockholm, Sweden
- May 2012 Shahid Beheshti University of Medical Sciences Annual Award for the Best Instructor
- Dec 2014 Shahid Beheshti University of Medical Sciences, Al Biruni Annual Award for the Best Researcher
- May 2015 Shahid Beheshti University of Medical Sciences Annual Award for the Best Instructor
- May 2018 Shahid Beheshti University of Medical Sciences Annual Award for the Best Educational Process.
- Dec 2018 Shahid Beheshti University of Medical Sciences, Al Biruni Annual Award for the Best Researcher

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Stanford University global list that represents the top 2% of Scientists in various disciplines
- November 2021 top 1% of the world's distinguished scientists.
ESL (Essential Science Indicators) ranking results

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Date: June 7, 2023

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