

CURRICULUM VITAE

Dr. Jalal Pourahmad Jaktaji

Shahid Beheshti University of Medical Sciences
Faculty of Pharmacy
Vali-e-Asr Ave., Niayesh Junction
Tehran, Iran, Postal Code: 19919-53381
P.O.Box: 14155-6153
Phone: +98(21)88200090
Fax: +98(21)88209620
E-mail: j.pourahmadjaktaji@utoronto.ca
E-mail: pourahmad.j@sbmu.ac.ir

EMPLOYMENT HISTORY

Professor, April 2010-Present

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

Associate Professor, December 2005-April 2010

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

Assistant Professor, June 2001-December 2005

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

Instructor, 1991-1996

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

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

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

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, Shaheed 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 Iranian Journal of Toxicology and Intoxications, April

2007-Present, Iranian Society of Toxicology and Intoxications, Arak University of Medical Sciences, Arak, Iran

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.

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).

PUBLICATIONS (Full Papers)

- 1) Naserzadeh, P., Ansari Esfeh, F., Kaviani, M., Ashtari, K., Kheirbakhsh, R., Salimi, A., & Pourahmad, J. (2018). Single-walled carbon nanotube, multi-walled carbon nanotube and Fe₂O₃ nanoparticles induced mitochondria mediated apoptosis in melanoma cells. *Cutaneous and Ocular Toxicology*, 37(2), 157–166.

- 2) Aghsami, M., Sharifzadeh, M., Sepand, M. R., Yazdankhah, M., Seyednejad, S. A., & Pourahmad, J. (2018). A cAMP analog attenuates beta-amyloid (1–42)-induced mitochondrial dysfunction and spatial learning and memory deficits. *Brain Research Bulletin*.
- 3) Mohammadian, Y., Rezazadeh Azari, M., Peirovi, H., Khodagholi, F., Pourahmad, J., Omid, M., Rafieepour, A. (2018). Combined toxicity of multi-walled carbon nanotubes and benzo [a] pyrene in human epithelial lung cells. *Toxin Reviews*, 1–11.
- 4) Aghvami, M., Ebrahimi, F., Zarei, M. H., Salimi, A., Pourahmad, J. R., & Pourahmad, J. (2018). Matrine Induction of ROS Mediated Apoptosis in Human ALL B-lymphocytes Via Mitochondrial Targeting. *Asian Pacific Journal of Cancer Prevention: APJCP*, 19(2), 555–560.
- 5) Razi, N. S., Arast, Y., Nazemi, M., & Pourahmad, J. (2018). Selective Toxicity of Non Polar Bioactive Compounds of Sea Cucumber (*Holothuria sabra*) extracts on Isolated Mitochondria and Hepatocytes of Induced Hepatocellular Carcinoma Rat Model. *Asian Pacific Journal of Cancer Biology*, 3(1).
- 6) Yousefsani, B. S., Pourahmad, J., & Hosseinzadeh, H. (2018). The Mechanism of protective effect of crocin against liver mitochondrial toxicity caused by Arsenic III. *Toxicology Mechanisms and Methods*, 28(2), 105–114.
- 7) Zarei, M. H., Hosseini Shirazi, S. F., Aghvami, M., Salimi, A., & Pourahmad, J. (2018). Analysis of cytotoxic effects of nickel on human blood lymphocytes. *Toxicology Mechanisms and Methods*, 28(2), 79–86.
- 8) Naserzadeh, P., Mehr, S. N., Sadabadi, Z., Seydi, E., Salimi, A., & Pourahmad, J. (2018). Curcumin Protects Mitochondria and Cardiomyocytes from Oxidative Damage and Apoptosis Induced by *Hemiscorpius Lepturus* Venom. *Drug Research*, 68(02), 113–120.
- 9) Yousefsani, B. S., Mehri, S., Pourahmad, J., & Hosseinzadeh, H. (2018). Crocin Prevents Sub-Cellular Organelle Damage, Proteolysis and Apoptosis in Rat Hepatocytes: A Justification for Its Hepatoprotection (Spring 2018). *Iranian Journal of Pharmaceutical Research*.
- 10) Al Maruf, A., O'Brien, P. J., Naserzadeh, P., Fathian, R., Salimi, A., & Pourahmad, J. (2018). Methotrexate induced mitochondrial injury and cytochrome c release in rat liver hepatocytes. *Drug and Chemical Toxicology*, 41(1), 51–61.
- 11) Pourahmad, J., Eghbal, M. A., Yusefi, E., Tavakoli-Ardakani, M., Zarei, M. H., & Salimi, A. (2018). Exposure to Antineoplastic Agents Induces Cytotoxicity in Nurse Lymphocytes: Role of Mitochondrial Damage and Oxidative Stress (Winter Special Issue 2018). *Iranian Journal of Pharmaceutical Research*.
- 12) Arast, Y., Seyed Razi, N., Nazemi, M., Seydi, E., & Pourahmad, J. (2017). Non Polar compounds of Persian Gulf Sea Cucumber *Holothuria parva* Selectively Induce Toxicity on Skin Mitochondria isolated from animal Model of Melanoma. *Cutaneous and Ocular Toxicology*, (just-accepted), 1–22.
- 13) Aghvami, M., Pourahmad, J., Zarghi, A., Eshghi, P., Zarei, M. H., Farzaneh, S., & Sattari, F. (2017). A Newly Synthesized Ferrocenyl Derivative Selectively Induces Apoptosis in ALL Lymphocytes through Mitochondrial Estrogen Receptors. *Anti-Cancer Agents in Medicinal Chemistry*.
- 14) Zarei, M. H., Pourahmad, J., Aghvami, M., Soodi, M., & Nassireslami, E. (2017). Lead acetate toxicity on human lymphocytes at non-cytotoxic concentrations detected in human blood. *Main Group Metal Chemistry*, 40(5–6), 105–112.
- 15) Naserzadeh, P., Jokar, F., Vafaei, F., Seydi, E., & Pourahmad, J. (2017). Toxicity of new synthetic amphetamine drug mephedrone On Rat Heart mitochondria: a warning for its abuse. *Xenobiotica*, 1–7.
- 16) Salimi, A., Paezi, M., Yousefsani, B. S., Shadnia, S., Hassanian-Moghaddam, H., Zamani, N., & Pourahmad, J. (2017). Inhibition of glucose-6-phosphate dehydrogenase protects hepatocytes from aluminum phosphide-induced toxicity. *Pesticide Biochemistry and Physiology*, 143, 141–146.

- 17) Assadian, E., Zarei, M. H., Gilani, A. G., Farshin, M., Degampanah, H., & Pourahmad, J. (2017). Toxicity of Copper Oxide (CuO) Nanoparticles on Human Blood Lymphocytes. *Biological Trace Element Research*, 1–8.
- 18) Amidi S, Hashemi Z, Motallebi A, Nazemi M, Farrokhpayam H, Seydi E, Pourahmad J. (2017) Identification of (Z)-2, 3-Diphenylacrylonitrile as Anti-Cancer Molecule in Persian Gulf Sea Cucumber *Holothuria parva*. *Marine Drugs* 15 (10), 314
- 19) Mehdizadeh H, Pourahmad J, Taghizadeh G, Vousooghi N, Yoonessi A, Naserzadeh P, Behzadfar L, Rouini M.R, Sharifzadeh M. (2017). Mitochondrial impairments contribute to spatial learning and memory dysfunction induced by chronic tramadol administration in rat: Protective effect of physical exercise. *Progress in Neuro-Psychopharmacology and Biological Psychiatry* 79, 426-433.
- 20) Khosravi Y, Salimi A, Pourahmad J, Naserzadeh P, Seydi E. (2017). Inhalation exposure of Nano Diamond Induced Oxidative Stress in Lung, Heart and Brain. *Xenobiotica* (in press).
- 21) Kiani A, Yousefsani B.S, Doroudian P, Seydi E, Pourahmad J. (2017) The mechanism of hepatotoxic effects of sodium nitrite on isolated rat hepatocytes. *Toxicology and Environmental Health Sciences* 9 (3) 244-250.
- 22) Rajabnia Khansari M, Yousefsani B.Sadat, Kobarfard F, Faizi M, Pourahmad J. (2017). In vitro toxicity of perfluorooctane sulfonate on rat liver hepatocytes: probability of destructive binding to CYP 2E1 and involvement of cellular proteolysis. *Environmental Science and Pollution Research* 24(29) 23382-8.
- 23) Fakhri A, Omranipour R, Fakhri S, Mirshamsi M.R, Zangeneh F, Vatanpour H, Pourahmad J. (2017) Naja Naja Oxiana Venom Fraction Selectively Induces ROS-Mediated Apoptosis in Human Colorectal Tumor Cells by Directly Targeting Mitochondria. *Asian Pacific Journal of Cancer Prevention* 18(8) 2201-2208.
- 24) Salimi A, Talatappe BS, Pourahmad J. (2017) Xylene Induces Oxidative Stress and Mitochondria Damage in Isolated Human Lymphocytes. *Toxicological Research* 33 (3), 233-238.
- 25) Gholami S, Hosseini MJ, Jafari L, Omidvar F, Kamalinejad M, Pourahmad J. Eskandari MR. (2017) Mitochondria as a target for the cardioprotective effects of cydonia oblonga Mill. and Ficus carica L. in doxorubicin-induced cardiotoxicity. *Drug Research* 67 (06), 358-365.
- 26) Salimi A, Alami B, Pourahmad J. (2017) Analysis of cytotoxic effects of chlorhexidine gluconate as antiseptic agent on human blood lymphocytes. *Journal of Biochemical and Molecular Toxicology* 31(8) e21918.
- 27) Arast Y, Seyed Razi N, Seydi E, Naserzadeh P, Nazemi M. (2017) Selective Toxicity of Non Polar Bioactive Compounds of Persian Gulf Sea Squirt *Phallusia Nigra* on Skin Mitochondria Isolated from Rat Model of Melanoma. *Asian Pacific Journal of Cancer Prevention* 18 (3), 811-818.
- 28) Pirahmadi N, Zarghi A, Salimi A, Arefi H, Pourahmad J. (2017) β -lactam structured, 4-(4-(Methylsulfonyl)phenyl)-1-pentyl-3-phenoxyazetid-2-one: Selectively targets cancerous B lymphocyte Mitochondria. *Anticancer Agents Med Chem.* 17(9) 1292-1301.
- 29) Seydi E, Babaei S, Fakhri A, Pourahmad J. (2017). Selective toxicity of Caspian cobra (*Naja oxiana*) venom on liver cancer cell mitochondria. *Asian Pacific Journal of Tropical Biomedicine* 7 (5), 460-465.
- 30) Razi, N.S., Seydi, E., Nazemi, M., Arast, Y., Pourahmad, J. (2017) Selective toxicity of persian gulf sea squirt (*Phallusia nigra*) extract on isolated mitochondria obtained from liver hepatocytes of hepatocellular carcinoma induced rat. *Hepatitis Monthly*, 17(2), e41489.
- 31) Mirshamsi, M.R., Omranipour, R., Vazirizadeh, A., (...), Seyedian, R., Pourahmad, J. (2017) Persian gulf jellyfish (*Cassiopea andromeda*) venom fractions induce selective injury and cytochrome c release in mitochondria obtained from breast adenocarcinoma patients. *Asian Pacific Journal of Cancer Prevention.* 18(1), pp. 277-286.
- 32) A Salimi, E Gholamifar, P Naserzadeh, M Hosseini, J Pourahmad. (2017). Toxicity of lithium on isolated heart mitochondria and cardiomyocyte: A justification for its cardiotoxic adverse effect. *Journal of Biochemical and Molecular Toxicology* 31(2), e21836.

- 33) A Salimi, MH Roudkenar, E Seydi, L Sadeghi, A Mohseni, N Pirahmadi, J Pourahmad.(2017). Chrysin as an Anti-Cancer Agent Exerts Selective Toxicity by Directly Inhibiting Mitochondrial Complex II and V in CLL B-lymphocytes. *Cancer Investigation*, 35(3), pp. 174-186.
- 34) A Salimi, A Motallebi, M Ayatollahi, E Seydi, A Mohseni, M Nazemi, J Pourahmad.(2017). Selective toxicity of persian gulf sea cucumber *holothuria parva* on human chronic lymphocytic leukemia b lymphocytes by direct mitochondrial targeting. *Environmental Toxicology* 32(4), pp. 1158-1169.
- 35) M Sadighara, Z Amirshardost, M Minaiyan, V Hajhashemi, P Naserzadeh, A Salimi, E Seydi, J Pourahmad.(2017). Toxicity of Atorvastatin on Pancreas Mitochondria: A Justification for Increased Risk of Diabetes Mellitus. *Basic & Clinical Pharmacology & Toxicology* 120 (2), pp. 131-137.
- 36) Aghvami M, Zarei M.H, Mirshamsi M.R, Pourahmad J.(2017). Selective toxicity of Persian Gulf Stonefish (*Pseudosynanceia melanostigma*) venom on human acute lymphocytic leukemia B-lymphocytes. *Trends in Peptide and Protein Sciences* 1 (2), 56-60.
- 37) Seydi, E., Rasekh, H.R., Salimi, A., Mohsenifar, Z., Pourahmad, J. (2017) Selective toxicity of Apigenin on cancerous Hepatocytes by directly targeting their mitochondria. *Anti-Cancer Agents in Medicinal Chemistry*, 16(12), pp. 1576-1586.
- 38) Seydi E, Amir Hosseini S, Salimi A, Pourahmad J . (2016). Propolis induce cytotoxicity on cancerous hepatocytes isolated from rat model of hepatocellular carcinoma: Involvement of ROS-mediated mitochondrial targeting. *PharmaNutrition* 4 (4), 143-150.
- 39) Pourahmad J, Kahrizi F, Naderi N, Salimi A, Noorbakhsh F, Faizi M, Naserzadeh P. (2016). Repeated administration of Mercury accelerates progression of multiple sclerosis through mitochondrial dysfunction. *Iranian Journal of Pharmaceutical Sciences* 15 (4): 834-841.
- 40) F Mehri, M Faizi, F kahrizi, B Mohammadzadeh, J pourahmad.(2016). A comparison of developmental and maternal toxicity of perfluoro octane sulfonate (PFOS) in mouse: Evaluation of histopathological and behavioral changes. *Iranian Journal of Pharmaceutical Sciences* 12 (2), pp. 75-84.
- 41) A Salimi, M Habibi Roudkenar, L Sadeghi, A Mohseni, E Seydi, N Pirahmadi, J Pourahmad.(2016). Selective Anticancer Activity of Acacetin Against Chronic Lymphocytic Leukemia Using Both In Vivo and In Vitro Methods: Key Role of Oxidative Stress and Cancerous Mitochondria. *Nutrition and Cancer*. 68 (8),pp. 1404-1416.
- 42) G Taghizadeh, J Pourahmad, H Mehdizadeh, A Foroumadi, A Torkaman-Boutorabi, S Hassani, P Naserzadeh, R Shariatmadari, M Gholami, M Rouini, M Sharifzadeh.(2016). Protective effects of physical exercise on MDMA-induced cognitive and mitochondrial impairment. *Free Radical Biology and Medicine* 99, pp. 11-19.
- 43) A Salimi, S Eybagi, E Seydi, P Naserzadeh, N Panahi Kazerouni, J Pourahmad.(2016). Toxicity of macrolide antibiotics on isolated heart mitochondria: a justification for their cardiotoxic adverse effect. *Xenobiotica J* 46 (1), pp. 82-93.
- 44) M Faizi, A Salimi, E Seydi, P Naserzadeh, M Kouhnavard, A Rahimi, J pourahmad. (2016) Toxicity of cuprizone a Cu²⁺ chelating agent on isolated mouse brain mitochondria: a justification for demyelination and subsequent behavioral dysfunction. *Toxicology mechanisms and methods* 26 (4), 276-283.
- 45) E Seydi, HR Rasekh, A Salimi, Z Mohsenifar, J Pourahmad (2016) Myricetin Selectively Induces Apoptosis on Cancerous Hepatocytes by Directly Targeting Their Mitochondria. *Basic & clinical pharmacology & toxicology* 119 (3), pp. 249-258.
- 46) E Seydi, HR Rasekh, A Salimi, Z Mohsenifar, J Pourahmad (2016) Selective Toxicity of Apigenin on Cancerous Hepatocytes by Directly Targeting their Mitochondria. *Anti-cancer agents in medicinal chemistry* 16 (12), pp. 1576-1586.
- 47) J Pourahmad, M Faizi, S Abarghuyi, A Salimi, S Nasoohi (2016) A Search for Mitochondrial Damage in Alzheimer's Disease Using Isolated Rat Brain Mitochondria. *Iranian Journal of Pharmaceutical Research* 15, 185-195.

- 48) A Salimi, M Rahmandoust, J Pourahmad. (2016) Toxicity evaluation of 6-mercaptopurine using accelerated cytotoxicity mechanism screening (ACMS) techniques. Source of the Document Iranian Journal of Pharmaceutical Sciences 12 (3), pp. 65-74.
- 49) A Salimi, M Vaghar-Moussavi, E Seydi, J Pourahmad. (2016) Toxicity of methyl tertiary-butyl ether on human blood lymphocytes. Environmental Science and Pollution Research 23 (9), 8556-8564.
- 50) A Salimi, MP Saharkhiz, A Motallebi, E Seydi, AR Mohseni, M Nazemi, J Pourahmad. (2016) Standardized Extract of the Persian Gulf Sponge, Axinella Sinoxea Selectively Induces Apoptosis through Mitochondria in Human Chronic Lymphocytic Leukemia Cells .Journal of Analytical Oncology 4 (4), 132-140.
- 51) E Seydi, S Babaei, A Fakhri, J Pourahmad. (2016) Selective toxicity of Caspian cobra (Naja oxiana) venom on liver cancer cell mitochondria. Asian Pacific Journal of Tropical Biomedicine (Article in press).
- 52) Hosseini M.-J, Shahraki J, Tafreshian S, Kamalinejad M, Pourahmad J. (2016) Protective effects of Sesamum indicum extract against oxidative stress induced by vanadium on isolated rat hepatocytes. Environmental Toxicology 31 (8), pp. 979-985.
- 53) A Salimi, MH Roudkenar, L Sadeghi, A Mohseni, E Seydi, N Pirahmadi, J Pourahmad. (2015) Ellagic acid, a polyphenolic compound, selectively induces ROS-mediated apoptosis in cancerous B-lymphocytes of CLL patients by directly targeting mitochondria .Redox biology 6, 461-471.
- 54) E Seydi, A Motallebi, M Dastbaz, S Dehghan, A Salimi, M Nazemi, J Pourahmad. (2015) Selective Toxicity of Persian Gulf Sea Cucumber (Holothuria parva) and Sponge (Haliclona oculata) Methanolic Extracts on Liver Mitochondria Isolated from an Animal Model of Hepatocellular Carcinoma .Hepatitis Monthly 15 (12).
- 55) A Salimi, A Ayatollahi, E Seydi, N Khomeisi, J Pourahmad (2015). Direct toxicity of amyloid beta peptide on rat brain mitochondria: preventive role of Mangifera indica and Juglans regia. Toxicological & Environmental Chemistry 97 (8), 1057-1070.
- 56) Pirahmadi N., Fazeli M., Zarghi A., Salimi A., Arefi H., Pourahmad J. (2015) 4-(4-(Methylsulfonyl) phenyl)-3-phenoxy-1-phenylazetidin-2-one: A Novel Cox-2 inhibitor acting selectively and directly on cancerous B lymphocyte Mitochondria, Toxicological & Environmental Chemistry, 97 (7), 908-921
- 57) Salimi A., Eybagi S., Seydi E., Naserzadeh P., Kazerouni N.P., Pourahmad J. (2015) Toxicity of macrolide antibiotics on isolated heart mitochondria: a justification for their cardiotoxic adverse effect, Xenobiotica, 46 (1), 82-93.
- 58) Mehri F., Faizi M, Salimi A., Seydi E., Pourahmad J. (2015) Toxicity of 4-methylimidazole on isolated brain mitochondria: using both *in vivo* and *in vitro* methods, Toxicological & Environmental Chemistry, 97(5), 663-673.
- 59) Seydi E., Rajabi M., Salimi A., Pourahmad J. (2015) Involvement of mitochondrial mediated caspase 3 activation and lysosomal labilization in acrylamide-induced liver toxicity, Toxicological & Environmental Chemistry, 97(5), 563-575.
- 60) Hashemzaei M., Pourahmad J., Safaeinejad F., Tabrizian K., Akbari F., Bagheri G., Hosseini M.-J., Shahraki J. Antimony induces oxidative stress and cell death in normal hepatocytes, Toxicological & Environmental Chemistry, 97(5), 2015, 256-265.
- 61) Naserzadeh, P., Hosseini, M.J., Arbabi, S., Pourahmad, J. . A comparison of toxicity mechanisms of cigarette smoke on isolated mitochondria obtained from rat liver and skin. Iranian Journal of Pharmaceutical Research. 14 (1), 2015, 271-277.
- 62) Eskandari, M.R., Moghaddam, F., Shahraki, J., Pourahmad, J. A comparison of cardiomyocyte cytotoxic mechanisms for 5-fluorouracil and its pro-drug capecitabine. Xenobiotica. 45, 2015, 79-87.
- 63) Naserzadeh, P., Hosseini, M.J., Asl, B.M., Pourahmad, J. Toxicity mechanisms of cigarette smoke on mouse fetus mitochondria. Iranian Journal of Pharmaceutical Research 14, 2015, 131-138.

- 64) Shahraki, J., Motallebi, A., Barekati, I., Seydi, E., Pourahmad, J. Comparison of cellular and molecular cytotoxic mechanisms of *Cochlodinium polykrikoides* in isolated trout and rat hepatocytes. *Toxicological & Environmental Chemistry*, 96, (6) 2014, 917-930.
- 65) Rezaei M, Salimi A, Taghidust M, Naserzadeh P, Goudarzi GR, Seydi E. & Pourahmad P. A comparison of toxicity mechanisms of dust storm particles collected in the southwest of Iran on lung and skin using isolated mitochondria. *Toxicological & Environmental Chemistry*, 2014, 96(5), 814-830.
- 66) Shahraki J, Zareh M, Kamalinejad M, Pourahmad J. Cytoprotective Effects of Hydrophilic and Lipophilic Extracts of *Pistacia vera* against Oxidative Versus Carbonyl Stress in Rat Hepatocytes. *Iran. J. Pharm. Res.* 2014, 13(4): 1263-1277.
- 67) Talari M, Seydi E, Salimi A, Mohsenifar Z, Kamalinejad M, Pourahmad J. *Dracocephalum*: novel anticancer plant acting on liver cancer cell mitochondria. *Biomed Res Int.*, 2014:892170. doi: 10.1155/2014/892170. Epub 2014 Jul 17.
- 68) Eskandari MR, Moghaddam F, Shahraki J, Pourahmad J. A comparison of cardiomyocyte cytotoxic mechanisms for 5-fluorouracil and its pro-drug capecitabine. *Xenobiotica*, 2014, (In Press).
- 69) Zargar M, Pourahmad J., Protective effect of *Punica granatum* L.(pomegranate) fruit extracts and ellagic acid against cytotoxicity induced by methyl tertiary butyl ether in isolated rat hepatocytes, *Toxicological & Environmental Chemistry*, 2014, 96 (1):150-161.
- 70) Hosseini MJ, Shaki F, Ghazi-Khansari M, Pourahmad J. Toxicity of Copper on Isolated Liver Mitochondria: Impairment at Complexes I, II, and IV Leads to Increased ROS Production, *Cell Biochemistry and Biophysics*, 2014, 70 (1), pp. 367-381
- 71) Farhad Emamia,b, Baharak Mohammadzadeh Asla, Enayatollah Seydia, Mohammad Zargara Parvaneh Naserzadehc, Jalal Pourahmad, Embryotoxic Effects of Atorvastatin on Mouse Fetus, *Iranian Journal of Pharmaceutical Sciences* 2013: 9 (1): 13-23.
- 72) Faizi M, Salimi A, Rasulzadeh M, Naserzadeh P, Pourahmad J. Schizophrenia Induces Oxidative Stress and Cytochrome C Release in Isolated Rat Brain Mitochondria: a Possible Pathway for Induction of Apoptosis and Neurodegeneration, *Iran. J. Pharm. Res* (2014), 13(supplement), 93-100.
- 73) Pourahmad J, Salimi A, Enayatollah S. Natural Compounds Target Mitochondrial Alterations in Cancer Cell: New Avenue for Anticancer Research, *Iran. J. Pharm. Res.* (2014), 13(supplement), 1-2.
- 74) Hosseini M.J, Naserzadeh P, Salimi A & Pourahmad J. Toxicity of cigarette smoke on isolated lung, heart, and brain mitochondria: induction of oxidative stress and cytochrome c release, *Toxicol. Environ. Chem.* (2013), 95 (9), 1624–1637.
- 75) Mirderikvand N, Mohammadzadeh Asl B, Naserzadeh P, Shaki F, Shokrzadeh M and Pourahmad J. Embryo Toxic Effects of Depleted Uranium on the Morphology of the Mouse Fetus, *Iran. J. Pharm. Res.* (2014), 13(1), 199-206.
- 76) Shaki F, Hosseini MJ, Shahraki J, Ghazi-Khansari M, Pourahmad J. Toxicity of depleted uranium on isolated liver mitochondria: a revised mechanistic vision for justification of clinical complication of depleted uranium (DU) on liver, *Toxicol. Environ. Chem.* (2013), 95(7), 1221-1234.
- 77) Shahraki J, Motallebi A, Aghvami M, Pourahmad J. Ichthyotoxic *Cochlodinium polykrikoides* Induces Mitochondrial Mediated Oxidative Stress and Apoptosis in Rat Liver Hepatocytes *Iran J Pharm Res.* (2013), 12 (4), 829-844.
- 78) Salimi A, Seydi E, Pourahmad J. Use of nutraceuticals for prevention and treatment of cancer. *Iran J Pharm Res.* 2013, 12(3), 219-20.
- 79) Amirmostofian M, Pourahmad J, Soleimani Z, Tabib K, Tanbakosazan F, Omrani M, Kobarfard F. Synthesis and Molecular-cellular Mechanistic Study of Pyridine Derivative of Dacarbazine. (2013), 12(3), 255-265.
- 80) Shaki F, Hosseini MJ, Ghazi-Khansari M, Pourahmad J. Depleted uranium induces disruption of energy homeostasis and oxidative stress in isolated rat brain mitochondria. *Metallomics*, (2013), 5, 736—744.

- 81) Shahraki J, Motallebi A, Pourahmad J. Oxidative mechanisms of fish hepatocyte toxicity by the harmful dinoflagellate *Cochlodinium polykrikoides*. *Mar Environ Res.* (2013) 87-88, 52-60.
- 82) Hosseini MJ, Shaki F, Ghazi-Khansari M, Pourahmad J. Toxicity of vanadium on isolated rat liver mitochondria: a new mechanistic approach. *Metallomics* (2013), 5(2):152-66.
- 83) Shaki F, Pourahmad J. Mitochondrial Toxicity of Depleted Uranium: Protection by Beta-Glucan. *Iran J Pharm Res* (2013) 12 (1) ,131-140
- 84) Hosseini MJ, Shaki F, Ghazi-Khansari M, Pourahmad J. Toxicity of arsenic (III) on isolated liver mitochondria: A new mechanistic approach. *Iran J Pharm Res* (2013) 12 (SUPPL.) , 119-136.
- 85) Shaki F, Hosseini MJ, Ghazi-Khansari M, Pourahmad J. Toxicity of depleted uranium on isolated rat kidney mitochondria. *Biochim Biophys Acta.* (2012), 1820(12):1940-50.
- 86) Hosseini MJ, Seyedrazi N, Shahraki J, Pourahmad J. Vanadium induces liver toxicity through reductive activation by glutathione and mitochondrial dysfunction. *Advances in Bioscience and Biotechnology* (2012), 3, 1096-1103.
- 87) Hosseini MJ, Shaki F, Ghazi-Khansari M, Pourahmad J. Vanadium induces oxidative stress in isolated rat liver mitochondria. *Toxicology Letters* 211S (2012) S43–S216
- 88) Eskandari MR, Khalili Fard J, Hosseini M-J, Pourahmad J. (2012) Glutathione mediated reductive activation and mitochondrial dysfunction play key roles in lithium induced oxidative stress and cytotoxicity in liver. *Biomtals* 25:863–873
- 89) Pourahmad J, Hamidi-Pour N, Hosseini MJ, Shaki F, Daraie B. (2012) Uranyl acetate induces oxidative stress and mitochondrial dysfunction in the human dermal fibroblast primary cells. *IJPR* 11 (2): 495-501
- 90) Pourahmad J, Hosseini MJ. (2012) Application of isolated mitochondria in toxicological studies. *IJPR* 11 (3):703-704.
- 91) Pourahmad J, Eskandari MR, Kaghazi A, Shaki F, Shahraki J, Khalili Fard J. A new approach on valproic acid induced hepatotoxicity: Involvement of lysosomal membrane leakiness and cellular proteolysis. *Toxicology in Vitro* 2012, 26(4): 545-51
- 92) Pourahmad J, Hosseini MJ, Eskandari MR, Rahmani F. (2011) Involvement of four different intracellular sites in chloroacetaldehyde- induced oxidative stress cytotoxicity. *IJPR*, 11 (1): 265-276.
- 93) Pourahmad J, Eskandari MR, Alavian G, Shaki F. (2012) Lysosomal membrane leakiness and metabolic biomethylation play key roles in methyl tertiary butyl ether-induced toxicity and detoxification. *Toxicol Environ Chem.* 94(2), 281-293.
- 94) Pourahmad J, Mortada Y, Eskandari MR, Sharaki J. (2011) Involvement of Lysosomal Labilisation and Lysosomal/mitochondrial Cross-talk in Diclofenac Induced Hepatotoxicity. *IJPR.* 10 (4): 877-887.
- 95) Pourahmad J, Hosseini MJ, Bakan S, Ghazi-Khansari M. (2011) Hepatoprotective activity of angiotensin-converting enzyme (ACE) inhibitors, 3 captopril and enalapril, against paraquat toxicity. *Pest. Biochem. Physiol.* 99(1), 105-110.
- 96) Eskandari MR, Pourahmad J, Daraei B. (2011) Thallium (I) and thallium (III) induce apoptosis in isolated rat hepatocytes by alteration of mitochondrial function and generation of ROS. *Toxicol Environ Chem.* 93(1), 145-156.
- 97) Pourahmad J, Shaki F, Tanbakoosazan F, Ghalandari A, Etehadi H, Dahaghin E. (2011) Protective effects of fungal beta-(1-3)-D-glucan against oxidative stress cytotoxicity induced by depleted uranium in isolated rat hepatocytes. *Hum Exp Toxicol* 30(3): 173-181.
- 98) Pourahmad J, Hosseini MJ, Eskandari MR, Shekarabi SM, Daraei B. (2010) Mitochondrial/lysosomal toxic cross-talk plays a key role in cisplatin nephrotoxicity. *Xenobiotica* 40 (11), 763-771.
- 99) Pourahmad J, Eskandari MR, Daraei B. (2010) A comparison of hepatocyte cytotoxic mechanisms for thallium (I) and thallium (III). *Environ Toxicol.* 25(5):456-67.
- 100) Pourahmad J, Eskandari MR, Nosrati M, Kobarfard F, Khajeamiri AR. (2010) Involvement of mitochondrial/lysosomal toxic cross-talk in ecstasy induced liver toxicity under hyperthermic condition. *Eur J Pharmacol.* 643: 162–169.

- 101) Pourahmad J, Eskandari MR, Shakibaei R, Kamalinejad M. (2010) A search for hepatoprotective activity of fruit extract of *Mangifera indica* L. against oxidative stress cytotoxicity. *Plant Foods Hum Nutr.* 65(1):83-9.
- 102) Pourahmad J, Eskandari MR, Shakibaei R, Kamalinejad M. (2010) A Search for Hepatoprotective Activity of Aqueous Extract of *Rhus coriaria* L. Against Oxidative Stress Cytotoxicity. *Food Chem Toxicol.* 48(3):854-8.
- 103) Pourahmad J, Amirmostofian M, Kobarfard F, Shahraki J. (2009) Biological reactive intermediates that mediate dacarbazine cytotoxicity. *Cancer Chemother. Pharmacol.*, 65:89–96.
- 104) Pourahmad J, Motallebi A, Asgharizadeh F, Eskandari GR, Shafaghi B. (2008) Radioactivity concentrations in sediments on the coast of the Iranian province of Khuzestan in the Northern Persian Gulf. *Environ Toxicol.* 23 (5): 583-590
- 105) Pourahmad J, O'Brien PJ, Chan K, Shakouri A. (2008) Tetramethylphenylenediamine-induced hepatocyte cytotoxicity caused by lysosomal labilisation and redox cycling with oxygen activation. *Chem Biol Interact.* 172(1):39-47.
- 106) Pourahmad J., Tanbakoosazan F., Ghashang M. (2007) Free radical scavenging activity of silymarin with reference to depleted uranium induced mitochondrial dysfunction. *Iranian Journal of Toxicology*; 1(3):133-9.
- 107) Pourahmad J, Jokar F, Rabiei M, O'Brien PJ. (2007) Heavy metal induced cell necrosis: involves apoptosis death signals initiated by mitochondrial; injury. *Iranian Journal of Toxicology*; 1(2):85-90.
- 108) Pourahmad J., Rabiei M., O'Brien P.J. (2007) A search for cellular and molecular mechanisms involved in arsenite toxicity. *Iranian Journal of Toxicology*; 1(1):14-24.
- 109) Pourahmad J., Jokar F., O'Brien P.J. (2007) A search for cellular and molecular mechanisms involved in chromate toxicity. *Iranian Journal of Toxicology*; 1(1):46-55.
- 110) Pourahmad J, Rezvani N, Rezaei M, Ahmadiani A. (2006) Impact of severity and duration of persistent pain on apoptosis. *IJPR*, 3: 203-208. (English)
- 111) Pourahmad J., Kobarfard F., Amirmostofian M. (2006) Lysosomal Oxidative Stress Cytotoxicity Induced by Dacarbazine and It's Pyridine Derivative in Hepatocytes. *Iranian Journal of Pharmaceutical Sciences*; 2(4): 123-128.
- 112) Pourahmad J, Ghashang M, Etehadhi H, Ghalandari A. (2006) A search for cellular and molecular mechanisms involved in depleted uranium toxicity. *Environmental Toxicology*; 21(4):349-54.
- 113) Pourahmad J, Rezvani N, Rezaei M, Ahmadiani A. (2006) Influx and efflux of glutathione during continuous pain induction in rat hepatocytes and glial cells. *Int. J. Pharmacol.*; 2(1):15-19.
- 114) Pourahmad J, Rabiei M, Jokar F, O'Brien PJ. (2005) A comparison of hepatocyte cytotoxic mechanisms for chromate and arsenite. *Toxicology*; 206: 449–460.
- 115) Pourahmad J., Marhamati M. (2004) An introduction to industrial diseases. *Daru-va-Darman*, 39: 51-6. (Farsi).
- 116) Pourahmad J., Kobarfard F., Shakoory A. (2004) Lysosomal oxidative stress cytotoxicity induced by para-phenylenediamines redox cycling in hepatocytes. *IJPR*, 4: 193-9.
- 117) Pourahmad J, O'Brien PJ, Jokar F, Daraei B. (2003) Carcinogenic metal induced sites of reactive oxygen species formation in hepatocytes. *Toxicol. In Vitro*; 17(5-6): 803-10.
- 118) Pourahmad J, O'Brien PJ. (2003) Involvement of lysosomal proteolysis in hepatocyte cytotoxicity induced by Cu (II) or Cr (VI). *J. Phys. IV France*; 107(2): 1087-90.
- 119) Pourahmad J, O'Brien PJ. (2003) Involvement of intracellular Na⁺ accumulation in Hg²⁺ or Cd²⁺ induced cytotoxicity. *J. Phys. IV France*; 107(2): 1095-98.
- 120) Pourahmad J, O'Brien PJ. (2003) Contribution of Ca²⁺ ions influx in Cu (II) or Cr (VI) induced hepatocyte cytotoxicity. *J. Phys. IV France*; 107(2): 1091-93.
- 121) Moridani MY, Pourahmad J, Bui H, Siraki A, O'Brien PJ. (2003) Dietary flavonoid iron complexes as cytoprotective superoxide radical scavengers. *Free Radic Biol Med.*;34(2):243-53.

- 122) Siraki AG, Pourahmad J, Chan TS, Khan S, O'Brien PJ. (2002) Endogenous and endobiotic induced reactive oxygen species formation by isolated hepatocytes. *Free Radic Biol Med.*;32(1):2-10.
- 123) Pourahmad J., Mortazavi S.A., Tabandeh H.A., Ghavam S.M., Karimi F., Madani H. (2002) Cardiovascular effects of Adult Cold and Antihistamine Decongestant tablets in hypertensive patients. *Pejouhandeh*; 7(2 (28));141-148 (Farsi).
- 124) Pourahmad J, Khan S, O'Brien PJ. (2001) Lysosomal oxidative stress cytotoxicity induced by nitrofurantoin redox cycling in hepatocytes. *Adv Exp Med Biol.*;500:261-5.
- 125) Pourahmad J, Mihajlovic A, O'Brien PJ. (2001) Hepatocyte lysis induced by environmental metal toxins may involve apoptotic death signals initiated by mitochondrial injury. *Adv Exp Med Biol.*;500:249-52.
- 126) Pourahmad J, O'Brien PJ. (2001) Biological reactive intermediates that mediate chromium (VI) toxicity. *Adv Exp Med Biol.*;500:203-7.
- 127) Pourahmad J, Ross S, O'Brien PJ. (2001) Lysosomal involvement in hepatocyte cytotoxicity induced by Cu(2+) but not Cd(2+). *Free Radic Biol Med.*;30(1):89-97.
- 128) Teng S, Beard K, Pourahmad J, Moridani M, Easson E, Poon R, O'Brien PJ. (2001) The formaldehyde metabolic detoxification enzyme systems and molecular cytotoxic mechanism in isolated rat hepatocytes. *Chem Biol Interact.*;130-132(1-3):285-96.
- 129) Pourahmad J, O'Brien PJ. (2000) A comparison of hepatocyte cytotoxic mechanisms for Cu²⁺ and Cd²⁺. *Toxicology.*;143(3):263-73.
- 130) Pourahmad J, O'Brien PJ. (2000) Contrasting role of Na(+) ions in modulating Cu(+2) or Cd(+2) induced hepatocyte toxicity. *Chem Biol Interact.*;126(2):159-69.
- 131) Pourahmad J. (1997) Renowned physicians and pharmacists in the shiny Islamic era. *Hakim*, 1(1): 17-23 (Farsi).
- 132) Pourahmad J, Roshanzamir F, Nafeh SM. (1995) Study of microbial contamination in widely used plant products on sale Tehran pharmacies. *Nabz*, 4(12): 25-27 (Farsi).
- 133) Pourahmad J, Mehrzad J. (1994) Pharmacokinetic study in liquid and solid dosage forms of lithium. *Nabz*, 4(5): 32-35 (Farsi).
- 134) Pourahmad J. (1994) Role of pharmacist in the US chain pharmacies. *Razi*, 5(12): 62-67 (Farsi).

PRESENTATIONS (Abstracts)

- 1) Nahal Pirahmadi, Jalal Pourahmad. 4-(Methylsulfonyl) phenyl)-3-phenoxy-1-phenylazetidin-2-one: A novel COX-2 inhibitor acting selectively and directly on cancerous B Lymphocyte mitochondria. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 2) Jalil Rahmati, Jalal Pourahmad, Ahmad Salimi. Comparison of Toxic effects of *Mangifera Indica L.* and *Juglans Regia* Aqueous Extracts on mitochondria isolated from human chronic Lymphocytic Leukemia (CLL) B- lymphocytes. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 3) Mosleh Razian, Jalal Pourahmad, Ahmad Salimi. Buspirone cytotoxicity and oxidative stress in human blood lymphocytes: A prediction of compound immunosuppressive effect. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 4) Mehrdad Vaghar-Moussavi, Jalal Pourahmad, Ahmad Salimi. Acrylamide induced cytotoxicity and oxidative stress in human peripheral blood mononuclear cells. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.

- 5) Sahar Dehghan, Jalal Pourahmad, Mryam Dastbaz, Enayatollah Seydi, Ahmad Salimi. Selective Toxicity of Persian Gulf Sea Cucumber (*HolothuriaParva*) and Sponge (*Haliclonaoculata*) Methanolic Extracts on Liver Mitochondria Isolated from Animal Model of Hepatocellular Carcinoma. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 6) Ahmad Salimi, Jalal Pourahmad, Enayatollah Seydi, Mehryar Habibi Roudkenar, Alireza Mohseni. Leila Sadeghi, Gallic acid selectively induces mitochondria independent apoptosis via activation of caspase-3 and caspase-8 in human B lymphocytes obtained from CLL patients. 14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 7) Enayatollah Seydi, Jalal Pourahmad, Ahmad Salimi. Luteolin and Apigeninselectively induces apoptosis on cancerous hepatocytes by directly targeting their mitochondria.14th Iranian Pharmaceutical Sciences Congress. 21-24 December 2015 Tehran, Iran.
- 8) Salimi A , Pourahmad J , Habibi Roudkenar M , Sadeghi L , Seydi E, Pirahmadi N, Tanbakosazan F. Ellagic Acid, A Component Of Propolis Induces Apoptosis via Mitochondrial Pathway and ROS Formation in Human Chronic Lymphocytic Leukemia Cells. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 9) Rajabnia Khansari M, Javidi J, Bigloo S, Rajabi M, Pourahmad J, Kobarfard F, Faizi M. PFOS imprinted polymers: synthesis, characterization and application. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 10) Ayatollahi M, Pourahmad J, Salimi A, Seydi E, Tanbakosazan F. Methanolic Extract Of Sea Cucumber Obtained From Persian Gulf, *Holothuriaparva* Induces Cell Apoptosis Through Mitochondria In Human Chronic Lymphocytic Leukemia Cells. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 11) Dehghan S, Pourahmad J, Seydi E, Salimi A. *Haliclona oculata*: Novel Anticancer Sponge Acting on Liver Cancer Cell Mitochondria. . International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 12) Seydi E, Pourahmad J, Rasekh H.R, Salimi A, Tanbakosazan F, Pirahmadi N. Luteolin starts apoptosis signaling in mitochondria isolated from hepatocellular carcinoma hepatocytes. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 13) Masoumeh A , Parvaneh N, Pourahmad J. Toxicity mechanisms of noise on isolated mitochondria obtained from rat brain. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 14) Seydi E, Pourahmad J, Rasekh H.R, Salimi A, Tanbakosazan F, Pirahmadi N. Selective Toxicity of apigenin on Mitochondria obtained from Hepatocellular Carcinoma Hepatocytes. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 15) Dastbaz M, Pourahmad J, Salimi A, Seydi E. Selective Toxicity of Persian Gulf Sea Cucumber Species (*Holothuria Parva*) Extract on Liver Mitochondria Isolated from Animal Model of Hepatocellular Carcinoma. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 16) Piresaharkhiz M, Pourahmad J, Salimi A, Seydi E, Tanbakosazan F. Methanolic Extract Of The Persian Gulf Sponge, *Axinella Sinoxea* Induces Cell Apoptosis Through Mitochondria In Human Chronic Lymphocytic Leukemia Cells. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 17) Naserzadeh P, Abdali M, Pourahmad J, Mohamadzadeh Asl B. Toxicity mechanisms of cigarette smoke on Mouse Fetus Mitochondria. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 18) Pirahmadi N, Pourahmad J, Salimi A. Beta lactam structured Cox-2 inhibitors: Novel anti-cancer candidates with selective toxicity on Mitochondria isolated from Acute Lymphocytic Leukemia (ALL) B lymphocytes. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 19) Salimi A, Pourahmad J, Roudkenar M.H, Sadeghi L, Mohseni A, Seydi E, Pirahmadi N, Tanbakosazan F. Acacetin induces apoptosis in human chronic lymphocytic leukemia cells via mitochondrial pathway and production of reactive oxygen species. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran

- 20) Seydi E, Pourahmad J, Rasekh H.R, Salimi A, Tanbakosazan F, Dehghan S. Myricetin and Kaempferol induce mitochondria mediated apoptosis on hepatocellular carcinoma hepatocytes in rat. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 21) Naserzadeh P, Abdalib M, tanbacosazana F, Pourahmad J. A comparison of toxicity mechanisms of cigarette smoke on isolated mitochondria obtained from rat liver and skin. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 22) Pirahmadi N, Pourahmad J, Salimi A, Seydi E. Another Anti-cancer mechanism for Thiazolidine-4-one compounds: Selective action on B lymphocytes Mitochondria obtained from Acute Lymphocytic Leukemia (ALL) Patients. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 23) Seydi E, Pourahma J, Rasekh H.R , Salimi A , Pirahmadi N , Tanbakosazan F. Luteolin starts apoptosis signaling in mitochondria isolated from hepatocellular carcinoma hepatocytes. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 24) Salimi A, Pourahmad J, Roudkenar MH, Sadeghi L, Mohseni A, Seydi E, Pirahmadi N, Tanbakosazan F. Chrysin Induces Apoptosis via Mitochondrial Pathway and ROS Formation on Isolated Mitochondria Obtained from Human Chronic Lymphocytic leukemia. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 25) Jalal Pourahmad. A Link between Basic Toxicology and Novel Anti-Cancer Drug Discovery. International Congress Of Toxicology 22-24th May , 2015 Urmia-Iran
- 26) Pourahmad J, Seydi E, Salimi A, Mohsenifar Z, Talari M. Dracocephalum: novel anticancer plant acting on liver cancer cell mitochondria. 4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 27) Seydi E, Salimi A, Rasekh HR, Pourahmad J. Apigenin induces mitochondria mediated apoptosis in isolated mitochondria from hepatocellular carcinoma cells induced by diethylnitrosamine and 2-acetylaminofluorene in rat .4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 28) Salimi A, Seydi E, Mohseni AR, Pirahmadi N, Habibi Roudkenar M, Pourahmad J. Acacetin Acting Directly and Selectively on Mitochondria Isolated from B lymphocytes in Chronic Lymphocytic Leukemia Patients. 4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 29) Kouhnavard M, Pourahmad J, Faizi M. Mitochondrial dysfunction plays a role in Multiple Sclerosis induced by cuprizone in mice. 4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 30) Pirahmadi N. Pourahmad J, Salimi A, Seydi E. Beta lactam structured Cox-2 inhibitors: Novel anti cancer compound on B lymphocytes Mitochondria in Acute Lymphocytic Leukemia (ALL) patients. 4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 31) Barekati I, Pourahmad J, Shahraki J, Motallebi A. Comparison of Cellular and Molecular Cytotoxic Mechanisms of *Cochlodinium polykrikoides* in Isolated Trout and Rat Hepatocytes. 4th International Symposium on Molecular Technology (Biotechnology in Progress Drug Development and Therapeutics. Tehran, Iran. 2014.
- 32) Pourahmad J. An Introduction to ACMS. The 1st International Congress of Alcohol abuse. Mashhad, Iran. 2014.
- 33) Pourahmad J, Shahraki J, Motallebi A. A Search for Cellular and Molecular Cytotoxic Mechanisms of *Cochlodinium polykrikoides* in Isolated Rat and Fish Hepatocytes. 2nd International Conference on Environmental Horizon; Greening the Blue Karachi, Pakistan. 2014.

- 34) Pourahmad J, Talari M, Seidi E, Zargar M. Dracocephalum: Novel Anticancer Plant Acting Directly and Selectively on Liver Cancer Cell Mitochondria. 14th Asian Symposium on Medicinal Plants, Spices and Other Natural Products. Karachi, Pakistan. 2013.
- 35) Pourahmad J. Accelerated Cytotoxicity Mechanism Screening. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 36) Aghvami M, Daraei B, Pourahmad J, Dinarvand R. Involvement of oxidative stress in apoptosis induced by docetaxel poly(lactide-co-glycolide) nanoparticles. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 37) Pourahmad J, Zargar M, Shahraki J, Zare M. Protective effects of Punica granatum (pomegranate) against oxidative stress cytotoxicity induced by methyl tertiary butyl ether in isolated rat hepatocytes. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 38) Pourahmad J, Naserzadeh P. Induction of oxidative stress and cytochrome c release with cigarette smoke in skin Mitochondria in vitro. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 39) Shaki F, Pourahmad J, Hosseini MJ, Ghazi-Khansari M. Comparative studies of mitochondrial toxicity of Depleted Uranium in rat isolated brain, kidney and liver mitochondria. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 40) Shaki F, Pourahmad J, Shokrzadeh M, Mirdarivand N, Mohamadzadeh B. Depleted uranium induced teratogenicity via embryonic oxidative stress. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 41) Shaki F, Pourahmad J, Hosseini MJ, Ghazi-Khansari M. Uranyl Acetate disrupted the bioenergetics of liver mitochondria. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 42) Shaki F, Pourahmad J, Hosseini MJ, Ghazi-Khansari M. Depleted uranium induces disruption of energy homeostasis and oxidative stress in isolated rat brain mitochondria. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 43) Shahraki J, Motallebi AA, Pourahmad J. Oxidative mechanisms of fish hepatocyte toxicity by the harmful dinoflagellate *Cochlodinium polykrikoides*. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 44) Pourahmad J, Shokrzadeh M, Shaki F, Mirdrikvand N. Toxicity of uranyl acetate dehydrate on isolated mouse fetal mitochondria. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 45) Pourahmad J, Moghaddam F. Toxicity of 5-Fluorouracil on isolated rat cardiomyocyte mitochondria: a new mechanistic approach. 12th Iranian Congress of Toxicology. Sari, Iran. 2013.
- 46) Jalal Pourahmad, Fatemeh Shaki, Mir-Jamal Hosseini, Mahmoud Ghazi-Khansari. Toxicity of Depleted Uranium on Isolated Rat Brain Mitochondria: a new tool for re approaching the pathology of Persian Gulf War syndrome. Basic and Clinical Neuroscience Congress. Tehran, Iran. 2012.
- 47) Jalal Pourahmad, Fatemeh Shaki. Role of Mitochondrial Dysfunction and Oxidative Stress in Neurodegenerative Diseases. Basic and Clinical Neuroscience Congress. Tehran, Iran. 2012.
- 48) J. Shahraki, J. Pourahmad, A. Motalebi. A search for cellular and molecular mechanisms involved in harmful algal bloom, *Cochlodinium polykrikoides* induced mammalian hepatotoxicity. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 49) M. Aghvami, B. Daraei, J. Pourahmad, R. Dinarvand. A search for molecular and cellular mechanisms of cytotoxicity induced by PLGA-docetaxel nanoparticles and the protective effect of silymarin. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.

- 50) F. Shaki, J. Pourahmad, M. Hosseini, M. Ghazi-Khansari. Depleted uranium disrupted the bioenergetics of liver mitochondria: a potential mechanism of fatigue syndrome. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 51) F. Shaki, J. Pourahmad, M. Hosseini, M. Ghazi-Khansari. Depleted Uranium induces disruption of energy hemostasis and oxidative stress in isolated rat brain mitochondria. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 52) G. Alavian, M. Eskandari, F. Shaki, J. Pourahmad. Lysosomal membrane leakiness and metabolic biomethylation play key roles in methyl tertiary butyl ether-induced toxicity and detoxification. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 53) M. Hosseini, J. Pourahmad, F. Shaki, M. Ghazi-Khansari. Mechanisms of Arsenic (III) toxicity on isolated rat liver mitochondria. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 54) M. Hosseini, J. Pourahmad, F. Shaki, M. Ghazi-Khansari. Toxicity of Copper in isolated liver mitochondria: a new tool in reapproaching of the ethiology of Cu²⁺ overloading liver diseases. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 55) F. Shaki, J. Pourahmad, M. Hosseini, M. Ghazi-Khansari. Toxicity of depleted Uranium on isolated rat kidney mitochondria. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 56) M. Hosseini, J. Pourahmad, F. Shaki, M. Ghazi Khansari. Toxicity of Vanadium (V+5) on isolated rat liver mitochondria. 13th Iranian Pharmaceutical Sciences Congress. Isfahan, Iran. 2012.
- 57) Pourahmad J, Eskandari MR, Kaghazi A, Khalili Fard J. A new approach on valproic acid induced hepatotoxicity: Involvement of lysosomal membrane leakiness and cellular proteolysis. 4th international Tehran Hepatitis congress. Tehran, Iran, 2011.
- 58) Pourahmad J, Motallebi A, Shahraki J. A search for cellular and molecular mechanisms involved in dinoflagellate *Cochlodinium polykrikoides* induced mammalian hepatotoxicity. 15th international symposium on toxicity assessment. Hong Kong, China, 2011
- 59) Pourahmad J. Biological reactive intermediates that mediate dacarbazine cytotoxicity. EPS anticancer Drugs 2011. Stockholm, Sweden, 2011.
- 60) Pourahmad J. Accelerated cytotoxicity mechanism screening using drug metabolizing enzyme modulators. 11th international congress of the Iranian society of toxicology. Mashhad, Iran, 2011.
- 61) Shaki F, Pourahmad J, Hosseini MJ. Depleted uranium induces oxidative stress in isolated kidney mitochondria. 11th international congress of the Iranian society of toxicology. Mashhad, Iran, 2011.
- 62) Shahraki J, Pourahmad J, Motallebi A. Cytotoxicity mechanisms involved in dinoflagellate *Cochlodinium polykrikoides* induced liver toxicity. 11th international congress of the Iranian society of toxicology. Mashhad, Iran, 2011.
- 63) Hosseini MJ, Pourahmad J, Shaki F, Ghazi-Khansari M. Disruption of mitochondrial respiratory chain in complex III is responsible for vanadium induced liver toxicity. 11th international congress of the Iranian society of toxicology. Mashhad, Iran, 2011.
- 64) Pourahmad J. A review on environmental and industrial carcinogenesis. 11th international congress of the Iranian society of toxicology. Mashhad, Iran, 2011.
- 65) Pourahmad J. A review on chemical carcinogenesis. The 1st national seminar on the role of basic sciences on health promotion. Tehran, Iran, 2011.
- 66) Pourahmad J. Role of oxidative stress in life and disease. The 1st national seminar on the role of basic sciences on health promotion. Tehran, Iran, 2011.
- 67) Pourahmad J., Khalilifard J., Kaghazi A. A search for cellular and molecular mechanisms of lithium carbonate induced hepatotoxicity. The 1st national seminar on the role of basic sciences on health promotion. Tehran, Iran, 2011.

- 68) Pourahmad J. , Kaghazi A., Khalilifard J. A search for cellular and molecular mechanisms of sodium valproate induced hepatotoxicity. The 1st national seminar on the role of basic sciences on health promotion. Tehran, Iran, 2011.
- 69) Pourahmad J. Environmental Carcinogens. 15th seminar of Iranian pharmacy students. Kerman, Iran, 2010.
- 70) Pourahmad J. Chemical Carcinogenesis. The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran, 2010.
- 71) Pourahmad J. Protective effects of fungal {beta}-(1->3) -D-glucan against oxidative stress cytotoxicity induced by depleted uranium in isolated rat hepatocytes. The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran, 2010.
- 72) Pourahmad J., Rahmani F. Involvement of Mitochondrial/Lysosomal Toxic Cross-Talk in Chloroacetaldehyde Induced Hepatotoxicity. Jalal Pourahmad, Faezeh Rahmani. The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran, 2010.
- 73) Pourahmad J., Alavian G. A search for cellular and molecular mechanism involved in methyl tertiary butyl ether. The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran, 2010.
- 74) Pourahmad J., Hosseini MJ., Bakan S., Tanbakoosazan F., Aslani M. A search for hepato protective effects of captopril and enalapril against Paraquat induced oxidative stress cytotoxicity . The 19th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, 2009.
- 75) Pourahmad J., Tanbakusazan F., Shaki F. Protective effects of fungal (1-3)-β-d-glucan against oxidative stress cytotoxicity induced by depleted uranium in isolated rat hepatocytes . The 19th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, 2009.
- 76) Pourahmad J., Eskandari MR., Tanbakusazan F., Aslani M. Sub-cellular organell involment in thallium induced hepatocyte toxicity. The 19th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, 2009.
- 77) Pourahmad J., Mortaza Y., Tanbakusazan F., Aslani M. A Search for Cellular and Molecular Mechanisms Involved in Diclofenac -induced hepatocyte cytotoxicity . The 19th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, 2009.
- 78) Pourahmad J., Eskandari M.R., Daraei B. A comparison of hepatocyte cytotoxic mechanisms for Thallium (I) and Thallium (III). The 14th International Symposium on Toxicity Assessment (ISTA14). Metz, France, 2009.
- 79) Pourahmad J., Kobarfard F., Amirmostofian M. Biological reactive intermediates that mediate dacarbazine cytotoxicity. The 3rd International Symposium of Molecular Technology (Manipulation of cell pathways in drug development). Tehran, Iran, 2009.
- 80) Pourahmad J., Daraei B, Shekarabi SM. A search for cellular and molecular mechanisms involved in cisplatin induced cytotoxicity in rat renal proximal tubular cells. The 3rd International Symposium of Molecular Technology (Manipulation of cell pathways in drug development). Tehran, Iran, 2009.
- 81) Pourahmad J, Shafaghi B, Eftekhari P. A search for chronic pain induced reactive oxygen species (ROS) generation in glial cells and role of some known pain relief agents on modulating (ROS) generation. IJPS, 4(3): page 411, 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran, 2008.

- 82) Pourahmad J, Kobarfard F, Nosrati M. The effect of hyperthermia on cellular and molecular mechanisms involved in 3,4-methylenedioxymethamphetamine (ecstasy) cytotoxicity in rat hepatocytes. *IJPS*, 4(3): page 410, 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran, 2008.
- 83) Eskandari MR, Pourahmad J, Tanbakusazan F. Thallium induces reactive oxygen species (ROS) generation by impairing mitochondrial function. *IJPS*, 4(3): page 396, 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran, 2008.
- 84) Amirmostofian M, Kobarfard F, Pourahmad J. Synthesis of pyridine derivatives of dacarbazine and evaluation their cytotoxic activity. *IJPS*, 4(3): page 183, 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran, 2008.
- 85) Pourahmad J, Daraei B, Shekarabi SM. A search for cellular and Molecular mechanisms responsible for cisplatin induced cytotoxicity in rat renal proximal tubular cells. *IJPS*, 4(3): page 52, 11th Iranian Pharmaceutical Sciences Congress. Kerman, Iran, 2008.
- 86) Pourahmad J. Hypoxic-ischemic brain injury and oxidative stress. 18th Iranian Congress of Physiology and Pharmacology. Mashhad, Iran, 2007.
- 87) Pourahmad J, Nosrati M. The effect of hyperthermia on lysosomal oxidative stress cytotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy) redox cycling in rat hepatocytes. 18th Iranian Congress of Physiology and Pharmacology. Mashhad, Iran, 2007.
- 88) Pourahmad J, Shafaghi B, Eftekhari P. Role of Reactive Oxygen Species in Development of Neuropathic Pain. The First Congress of Physical Medicine and Rehabilitation's Interventional Method in Pain Management. Tehran, Iran, 2007.
- 89) Pourahmad J, Nosrati M. Hyperthermia is the Triggering Factor for Cytotoxicity Induced by 3,4-Methylenedioxymethamphetamine in Freshly Isolated Rat Hepatocytes. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 90) Pourahmad J, Karimian L. Evaluation of Cellular Suborganelle Damage in Rat Glial Cells Following Neuropathic Pain Induction. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 91) Pourahmad J, Eftekhari P. Controversial Role of COX Inhibitors in Modulating Chronic Pain Induced Apoptosis and Oxidative Stress in Rat Glial Cells. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 92) Pourahmad J, Kobarfard F, Amirmostoufian M. Synthesis of Pyridine Derivatives of Dacarbazine and Comparing their Cytotoxicity with Original Drug. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 93) Pourahmad J, Kobarfard F, Rabie S. A Survey on Relationship between Structure and Toxicity of Glycolic Acid Derivatives as New Antituberculosis Compounds. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.

- 94) Pourahmad J¹, Ataollah Shakouri¹, O'Brien PJ. Phenylenediamine Induced Hepatocyte Cytotoxicity Caused by Lysosomal Toxicity and Redox Cycling with Oxygen Activation. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 95) Pourahmad J, Daraei B, Shekarabi SM. Lysosomal Oxidative Stress Cytotoxicity Induced By Cisplatin In Rat Proximal Tubule Cells is the Ultimate Mechanism for Its Nephrotoxicity. *IJPS*, 3(2): 9th Iranian Congress of Toxicology. Shiraz, Iran, 2007.
- 96) Motallebi A., Pourahmad J., Asgharizadeh F., Shafaghi B. Radioactive concentration in sediments and biota of Northern coast of Persian Gulf. The 13th International Symposium on Toxicity Assessment. Toyama, Japan, 2007.
- 97) Pourahmad J., Ghashang M., Ettehad H. Free radical scavenging activity of the silymarin with reference to depleted uranium induced mitochondrial dysfunction. The 13th International Symposium on Toxicity Assessment. Toyama, Japan, 2007.
- 98) Pourahmad J., Shakibaei R. Preventing Hepatocyte Oxidative Stress Cytotoxicity with *Mangifera indica* L. Extract. The 3rd International Congress on Traditional Medicine and Materia Medica. Kuala Lumpur, Malaysia, 2007.
- 99) Pourahmad J., Nosrati M. The effect of hyperthermia on cellular and molecular mechanisms involved in 3,4-methylenedioxymethamphetamine (ecstasy) induced cytotoxicity in rat hepatocytes. *Physiology and Pharmacology*, 11(1):18th Iranian Congress of Physiology and Pharmacology. Mashhad, Iran, 2007.
- 100) Pourahmad J. Hypoxic-Ischemic Brain Injury and Oxidative Stress. *Physiology and Pharmacology*, 11(1):18th Iranian Congress of Physiology and Pharmacology. Mashhad, Iran, 2007.
- 101) Pourahmad J., Jokar F., Rabiei M., O'Brien PJ. Heavy Metal Induced Cell Necrosis: Involves Apoptosis Death Signals Initiated By Mitochondrial Injury. The 2nd International Symposium of Molecular Technology (Biotechnology in Progress). Tehran, Iran, 2007.
- 102) Pourahmad J., Shafaghi B., Karimian L. A search for cellular and molecular mechanisms involved in neuropathic pain induced rat brain injury. *IJPS*, 2(3): page 42-3, 10th Iranian Pharmaceutical Sciences Congress. Tehran, Iran, 2006.
- 103) Rabie S., Kobarfard F., Pourahmad J. A survey over the relationship between structure and toxicity of glycolic acid derivatives as new compounds of the anti tuberculosis. *IJPS*, 2(3): page 282, 10th Iranian Pharmaceutical Sciences Congress. Tehran, Iran, 2006.
- 104) Pourahmad J., Ghashang M., Ettehad H., Ghalandari A. A search for cellular and molecular mechanisms involved in depleted uranium toxicity. *IJPS*, 2(3): page 7, 10th Iranian Pharmaceutical Sciences Congress. Tehran, Iran, 2006.

- 105) Pourahmad J, Rezvani N, Rezaei M, Ahmadiani A. Impact of severity and duration of persistent pain on apoptosis. *Acta Pharmacologica Sinica*, Supplement 1: page 290, 15th World Congress of Pharmacology. Beijing, China, 2006.
- 106) Pourahmad J., Motallebi M. Radioactive concentration in sediments and biota of Northern coast of Persian Gulf. The 12th International Symposium on Toxicity Assessment. Skiathos, Greece, 2005.
- 107) Pourahmad J., Ghashang M., Ettehadi H. A search for cellular and molecular mechanisms involved in depleted uranium toxicity. The 12th International Symposium on Toxicity Assessment. Skiathos, Greece, 2005.
- 108) Pourahmad J., Rabiei M., O'Brien P.J. A search for cellular and molecular mechanisms involved in arsenite toxicity. The 13th International conference on heavy metals in the environment. Rio de Janeiro, Brazil, 2005.
- 109) Pourahmad J., Jokar F., O'Brien P.J. A search for cellular and molecular mechanisms involved in chromate toxicity. The 13th International conference on heavy metals in the environment. Rio de Janeiro, Brazil, 2005.
- 110) Pourahmad J, Ahmadiani A, Rezaei M, Impact of severity and duration of persistent pain on apoptosis. The 1st International Symposium of Molecular Technology (Cell cycle and cell death: cellular and molecular perspectives, basic and clinical aspects). Tehran, Iran, 2005.
- 111) Pourahmad J., Jokar F. Molecular mechanisms responsible for chromate induced cytotoxicity. 11th International Workshop on QSAR in the Human Health and Environmental Sciences. Liverpool, UK, 2004.
- 112) Pourahmad J., Rabiei M. Molecular mechanisms responsible for arsenite induced cytotoxicity. 11th International Workshop on QSAR in the Human Health and Environmental Sciences. Liverpool, UK, 2004.
- 113) Pourahmad J. Lysosomal oxidative stress cytotoxicity induced by paraphenylenediamine redox cycling in hepatocytes. 11th International Workshop on QSAR in the Human Health and Environmental Sciences. Liverpool, UK, 2004.
- 114) Pourahmad J., The Legacy of Islamic World in Modern Medicine and Science. The 2nd International Congress on Traditional Medicine and Materia Medica. Tehran, Iran, 2004.
- 115) Pourahmad J., Supplements and Pharmacology. First Asian DCO Course and Anti Doping Symposium. Tehran, Iran, 2004.

- 85) جلال پوراحمد، مریم ربیعی. مطالعه‌ای پیرامون مکانیزم‌های مولکولی و سلولی سمیت آرسنیک. هشتمین همایش سم‌شناسی و مسمومیتها، تهران، ایران. ۱۸-۱۶ آذر ۱۳۸۳.
- 86) جلال پوراحمد، نیلوفر رضوانی. نقش رادیکال‌های فعال در آسیب بافتی ناشی از استرس درد. هشتمین همایش سم‌شناسی و مسمومیتها، تهران، ایران. ۱۸-۱۶ آذر ۱۳۸۳.
- 87) جلال پوراحمد، محسن رضایی. بررسی تأثیر مدت و شدت درد بر روند اپوپتوز. هشتمین همایش سم‌شناسی و مسمومیتها، تهران، ایران. ۱۸-۱۶ آذر ۱۳۸۳.
- 88) جلال پوراحمد، فرزانه جوکار. مطالعه پیرامون مکانیزم سمیت کرومات. هشتمین همایش سم‌شناسی و مسمومیتها، تهران، ایران. ۱۸-۱۶ آذر ۱۳۸۳.
- 89) جلال پوراحمد، عطاالله شکوری. مطالعه‌ای پیرامون مکانیزم‌های مولکولی و سلولی سمیت **phenylenediamine**. هشتمین همایش سم‌شناسی و مسمومیتها، تهران، ایران. ۱۸-۱۶ آذر ۱۳۸۳.

- 90) Pourahmad J., O'Brien PJ. Involvement of lysosomal proteolysis in hepatocyte cytotoxicity induced by Cu(II) or Cr(VI). XIIth International Conference on Heavy Metals in the Environment Grenoble, France, 2003.

- 91) Pourahmad J., O'Brien PJ. Involvement of intracellular Na^+ accumulation in Hg^{2+} or Cd^{2+} induced cytotoxicity. XIIIth International Conference on Heavy Metals in the Environment Grenoble, France, 2003.
- 92) Pourahmad J., O'Brien PJ. Contribution of Ca^{2+} ions influx in Cu(II) or Cr(VI) induced hepatocyte cytotoxicity. XIIIth International Conference on Heavy Metals in the Environment Grenoble, France, 2003.
- 93) Pourahmad J., O'Brien P.J. Carcinogenic Metal Induced Sites of Reactive Oxygen Species Formation in Hepatocytes. 12th International Workshop on In Vitro Toxicology, Formia, Italy, 2002.
- 94) Pourahmad J., Jokar F., Rabiei M., O'Brien P.J., A Comparison of Hepatocyte Cytotoxic Mechanisms for Chromate and Arsenite. 12th International Workshop on In Vitro Toxicology, Formia, Italy, 2002.
- 95) Pourahmad J., O'Brien P.J. A comparison of molecular cytotoxic mechanisms of As and Cr. 39th Annual Meeting of European Society of Toxicology, Istanbul, Turkey, 2001.
- 96) Pourahmad J., O'Brien P.J., Metal-induced sites of reactive oxygen species formation in hepatocytes. 2nd Scientific Meeting of the Oxidative Stress Consortium, London, Ontario, Canada, 2001.
- 97) Pourahmad J., Mihajlovic A., O'Brien P.J., Hepatocyte lysis induced by environmental metal toxins may involve apoptotic signals initiated by mitochondrial injury. 6th International Conference of Biological Reactive Intermediates, Paris, France, 2000.
- 98) Pourahmad J., Khan S., O'Brien P.J., Lysosomal oxidative stress cytotoxicity induced by nitrofurantion redox cycling in hepatocytes. 6th International Conference of Biological Reactive Intermediates. Paris, France, 2000.
- 99) Pourahmad J., O'Brien P.J., Biological reactive Intermediates that mediate chromium(VI) toxicity. 6th International Conference of Biological Reactive Intermediates. Paris, France, 2000.
- 100) Pourahmad J., O'Brien P.J., Contrasting role of Na^+ ions in modulating Cu^{2+} or Cd^{2+} induced hepatocyte cytotoxicity. 39th Annual Meeting of Society of Toxicology. Philadelphia, P.A., USA, 2000.
- 101) Pourahmad J., O'Brien P.J., Subcellular organelle involvement in Cu^{2+} but Cd^{2+} induced hepatocyte cytotoxicity. 9th Annual Conference of North American ISSX (society for study of Xenobiotics). Nashvil, T.N., USA.
- 102) Pourahmad J., O'Brien P.J., A comparison of hepatocyte cytotoxic mechanisms for Cu^{2+} and Cd^{2+} . 38th Annual meeting of Society of Toxicology. New Orleans, LS., USA, 1999.
- 103) O'Brien P.J., Pourahmad J., Khan S., Heavy metal cytotoxic mechanisms: apoptosis and cell necrosis involves common death signal initiated by mitochondrial injury. (1997) st. lowrence and great lakes Health Conference. Montreal, QB, Canada, 1997.

- 104) دکتر جلال پوراحمد، دکتر عطاءاله شکوری. پژوهش در مورد سمیت سلولی ترکیبات فنیلن دی‌آمین. هشتمین همایش علوم دارویی ایران، شیراز، ایران. ۷-۵ شهریور ۱۳۸۱.
- 105) دکتر جلال پوراحمد، دکتر فرزانه جوکار، دکتر مریم ربیعی. مقایسه مکانیسم‌های سمیت کرومات و آرسنیت بر روی سلولهای کبدی. هشتمین همایش علوم دارویی ایران، شیراز، ایران. ۷-۵ شهریور ۱۳۸۱.
- 106) دکتر هایده مدنی، دکتر جلال پوراحمد، دکتر حسینعلی تابنده. بررسی اثرات قلبی عروقی دوز منفرد قرص آنتی‌هیستامین دکونژستانت و قرص سرماخوردگی بزرگسالان در بیماران مبتلا به افزونی فشار خون. پنجمین همایش علوم دارویی ایران، تهران، ایران، ۱۳۷۶.
- 107) دکتر جلال پوراحمد، دکتر هوشنگ عطایی. بررسی و گزارش تأثیر الگوی مصرف آنتی‌بیوتیکها در جراحی‌های شکمی آلوده. اولین کنگره اخلاق در داروسازی و علوم پایه پزشکی، تهران، ایران، ۱۳۷۴.
- 108) دکتر جلال پوراحمد، دکتر جهانگیر مهرزاد. مقایسه فارماکوکینتیکی اشکال دارویی جامد و مایع لیتیم. دوازدهمین کنگره فیزیولوژی و فارماکولوژی ایران. تهران، ایران، ۱۳۷۴.

109) دکتر علی عبدی نژاد، دکتر جلال پوراحمد. استخراج و تخلیص گونادوتروپین کوریونیک انسانی از ادرار خانم حامله. نهمین کنگره فیزیولوژی و فارماکولوژی ایران. تهران، ایران، ۱۳۶۸.

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
Bethesda, Maryland, USA

Sep 1999-Present 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 Shaheed Beheshti University of Medical Sciences Annual Award for
the Best Instructor

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

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

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

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

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

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

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

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

Dec 2007 Shaheed 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 Shaheed Beheshti University of Medical Sciences Annual Award for the Best Instructor
Shaheed Beheshti University of Medical Sciences, Tehran, Iran

Aug 2010 Best Presentation Award
The 12th Iranian Pharmaceutical Sciences Congress. Zanjan, Iran

Dec 2010 Shaheed 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 Shaheed Beheshti University of Medical Sciences Annual Award for the Best Instructor

Dec 2014 Shaheed Beheshti University of Medical Sciences, Al Biruni Annual Award for the Best Researcher

May 2015 Shaheed Beheshti University of Medical Sciences Annual Award for the Best Instructor

REFERENCES

References are available upon request.
Signature: Jalal Pourahmadjaktaji

Date: October 22, 2017

A handwritten signature in black ink, consisting of a large, loopy initial 'J' followed by a stylized 'P' and a small 'a' at the bottom.