

Research Interests

- 1- دکتر علامه: زمینه های مورد علاقه تحقیقاتی , 1-متابولیزم داروها و مواد شیمیائی سرطان زا 2-مارکرهای ملکولی سرطان 3-بیوشیمی و بیولوژی ملکولی سلولهای بنیادی

Education

- 1 PhD : Biochemistry, Bombay University, India , India,
Title of PhD thesis: Molecular mechanisms of aflatoxin B1-induced carcinogenesis
- 2 MS : Biochemistry, V. Patel Chest Institute- Delhi University & Bombay University, India, India,
Title of M.Sc thesis: Alterations of serum proteins and immunoglobulins on exposure to industrial pollutants.
- 3 میکروب شناسی, - , کلاپور, هندوستان : BSc/BA

Research Experience

- 1- 1- Principal Investigator of the project "Age-related development of xenobiotic enzymes and resistance to chemical carcinogens". , Toxicology-chemical carcinogenesis, Tehran, Tarbiat Modares University, Iran, -
- 2- 2- Principal Investigator of the project "Design and construction of safe pilot plant for detoxification of aflatoxin-contaminated corns". , Toxicology, Tarbiat Modares University, Tehran, Iran, -
- 3- 3- Co-investigator of the project "Correlation between P53 codon 72 and GST-P1 codon 105 polymorphism and occurrence of papiloma virus in human esophagus squamous cell carcinoma". NRCGEB, Cancer research, Tarbiat Modares University and NICGEB, -
- 4- 4- Relationship between glutathione S-transferase-P expression and cyclooxygenase-2 in esophagus tissues obtained from patients suffering from esophagitis and adenocarcinoma. , Cancer research, Tarbiat Modares University and DDRC, Shariati Hospital, Tehran, Iran, -

- 5- Co-investigator of the project "Relationship between the pathogenesis of EAE with the status of oxidative and antioxidative system in mouse brain, spinal cord and plasma. NRCGEB, Oxidative stress, Tarbiat modares University and NICGEB=, Iran, -

Teaching Experience

- 1- Biochemistry of Cancer , PhD students
- 2- General Toxicology , PhD and D. Pharm. students
- 3- Molecular Biology , MSc Students
- 4- Biology, BSc students
- 5- General Biochemistry , B.Sc. and MSc students
- 6- Modern techniques in Biochemistry , MSc and Ph.D. students
- 7- Advanced Biochemistry I & II

Awards

- 1- Travel award from World Association of Pathology and Laboratory Medicine (WASPaLM) for participation and oral presentation , International Congress of Pathology and Lab. Medicine, Pusan, Korea, 2003, Travel award from World Association of Pathology and Laboratory Medicine (WASPaLM) for participation and oral presentation in International Congress of Pathology and Lab. Medicine, Pusan, Korea, Sept., 2003.
- 2- Travel award from UNESCO for participation , International Oocyte Training course. Shanghai, China, 1997, Travel award from UNESCO for participation in International Oocyte Training course. Shanghai, China, 1997.
- 3- Travel award from ICOH for participation, 25th International congress of Occupational Health, Stockholm, Sweden, 1996, Travel award from ICOH for participation in the 25th International congress of Occupational Health, Stockholm, Sweden, 1996
- 4- Young Scientist award from IUBMB for participation, International congress of Biochemistry and Molecular Biology, Delhi, India, 1994, Young Scientist award from IUBMB for participation in the XVI International congress of Biochemistry and Molecular Biology, Delhi, India, 1994
- 5- Young Scientist award from AACR for participation , Interaction of cancer susceptible genes and environmental carcinogenesis, IARC, Lyon, France, 1993, Young Scientist award from AACR for participation in the conference: Interaction of cancer susceptible genes and environmental carcinogenesis, IARC, Lyon, France, 1993.
- 6- Junior Research Fellow, University Grants Commission /India, 1987-1989
- 7- Junior Research Fellow, Indian Council of Medical Sciences , 1986-1987
- 8- Outstanding Academic Performance Award, Tarbiat Modarres University, Outstanding Academic Performance Award. Tarbiat Modarres University, 1995, 2001 and 2003
- 9- رتبه دوم برگزیده علوم پایه جشنواره رازی , تهران-ایران
- 10- برگزیده بیستمین دوره کتاب سال جمهوری اسلامی ایران- تالیف کتاب میکوتوکسینها, تهران-ایران
- 11- Asia-Pacific Digestive Week, New Delhi-India

Books

- 1- 2005, *Antimicrobial efficacy of thyme essential oils as food preservatives*, Nova Science Publishers Inc., New York, Rasooli I., Allameh A., and Rezaei MB. (2005). Antimicrobial efficacy of thyme essential oils as food preservatives. In: Focus on food policy, control and research. Nova Science Publishers Inc., New York.
- 2- ایران دکتر علامه-دکتر رزاقی 2001, *مایکوتوکسینها*, امام حسین University Press, Allameh A., Razzaghi (editors). Mycotoxins (in Persian language), ایران, کتاب برگزیده بیستمین دوره کتاب سال ج.ا.ایران, امام حسین University Press, 2001. (Selected as year book 2001 by Ministry of Culture and Islamic Guidance, I. R. Iran).

- 3- 1992, *Aflatoxins in seeds Chapter 11. In: Current concepts in Seed Biology*, Mukerji et al. edition, Naya Prakash, Calcutta, India, Bansal M., Saxena M., Maker K.G, Allameh A., and Raj HG. Aflatoxins in seeds Chapter 11. In: Current concepts in Seed Biology (1992) pp.157-176. Mukerji et al. edition, Naya Prakash, Calcutta, India.
- 4- 1992, *Aflatoxins: Metabolism and Biological effects. In: Concepts in Applied Microbiology and Biotechnology*, Mukerji, Singh & Garg edition. India, Allameh A., Saxena M., Bansal M., Mukerji KG. & Raj HG. Aflatoxins: Metabolism and Biological effects. In: Concepts in Applied Microbiology and Biotechnology. (1992), pp: 227-244. Mukerji, Singh & Garg edition. India.
- 5- 1992, *Metabolism of foreign compounds by fungi. In: Handbook of Applied Mycology (Fungal Biotechnology*, Arora, Elander & Mukerji edition, Marcel Dekker, New york, Basel, Hong Kong, Raj HG, Saxena M., Allameh A. and Mukerji K.G. Metabolism of foreign compounds by fungi. In: Handbook of Applied Mycology (Fungal Biotechnology) Vol.4 (1992). pp.157-176. Arora, Elander & Mukerji edition, Marcel Dekker, New york, Basel, Hong Kong.
- 6- Saxena M., Mukerji KG, Mullick J., Allameh A. and Raj HG 1989, *Metabolism of glutathione in microorganisms*

National Journals

- 1- Rahbarizadeh F., Rassae MJ, Frouzandeh M., Allameh A., Golmakany N., Sadeghizadeh, M. and Saran N. 2005, 'Production, characterization, and comparison of novel heavy chain antibodies specific for tandem repeat region of MUC1 mucin in old world camels', *Developmental and Comparative Immunology (In press, pp.*
- 2- Rahbarizadeh F., Rassae MJ, Frouzandeh M., Allameh A., Narang SA., Sadeghizadeh, M. 2004, 'Induction of immune response in Camelus bactrianus and Camelus dromedaries against MUC-1 peptide produced heavy-chain antibodies with efficient combining properties', *J. Camel Practice Res*, No. 11, pp. 1-9
- 3- Ansari Hadipour H., Allameh A. and Kazemnejad A. 2003, 'Differential effects of vitamin K1 on antioxidant ability, lipid peroxide and protein carbonyl formation in plasma of adult and weanling rats', *Acta Medica Iranica*, No. 41, pp. 207-213
- 4- Shams G.M., Razafsha M., Allameh A. and Razzaghi Abyaneh M 2003, 'Inhibitory effects of aqueous onion and garlic extracts on growth and keratinase activity in Trichophyton mentagrophytes', *Iranian Biomedical Journal*, No. 7, pp. 113-118
- 5- Allameh A., Mashkani A.B. and Lotfi A.S. 2003, 'Responses of brain cytosolic and microsomal glutathione S-transferases to theophylline in adult and suckling rats', *Iranian J. Science and Technology, Trans*, No. 27, pp. 221-226
- 6- Parhizkar A., Mirhadi SA, and Allameh A. 2003, 'Effects of aflatoxin B1 on liver nuclear DNA biosynthesis in growing and day-old chickens.', *Arch. Razi Inst*, pp.
- 7- Mohamadi Qanatestani M., Allameh A., Nouri-Dalloii M.R 2002, 'Microsome-mediated benzo [a]-DNA binding by cytosolic fractions from liver and skin of adult and weanling rats', *J. Science I.R. Iran*, , pp.
- 8- Mohammadi M., Allameh A., Khoursandi, H 2001, ' Changes in glutathione S-transferase activity and zearalenone content in susceptible and tolerant wheat heads inoculated with fusarium graminearum , the causal agent of fusarium head scab', *J. Science I.R. Iran*, pp.
- 9- . Razzaghi M., Allameh A. and Shams M 2001, ' Screening of aflatoxin-producing mould isolates based on fluorescence production on a specific medium under ultraviolet light', *Acta Medica Iranica*, pp.
- 10- Allameh A., Nikseresht M. and Khairdoosh F 2000, 'Role of cytosolic glutathione S- transferases against acetaminophen-induced lipid peroxidation in weanling rat.', *Medical J. I.R. Iran*, pp.
- 11- Rezazadeh H., Allameh A. and Athur M. 1999, ' Effect of iron overload on 7, 12-Dimethyl Benzo(A) anthracene-induced skin tumorigenesis', *Medical J.I. R. Iran*, pp.
- 12- Saadat I., Allameh A. and Saadat M 1999, 'DNA-repair capacity in Down's syndrome', *Iranian Biomedical J.*, , pp.
- 13- Chelcheleh M., Allameh A., Hajizadeh E. & Rassae M.J 1997, ' Comparison of the pattern of distribution of aflatoxin B1 metabolites in adult and newborn rat', *Medical J. I.R. Iran*, pp.
- 14- Totonchi A. Rassae M. J, Allameh A., and Mesbah S. A. 1995, 'Development of a rapid and sensitive radioimmunoassay measurement of aflatoxin B1 in biological samples', *Medical J. I.R. Iran*, pp.
- 15- Saxena M., Allameh A., Mukerji K. G. & Raj H. G 1992, 'Epoxidation of aflatoxin B1 by Aspergillus flavus microsomes in vitro: Interaction with DNA and formation of AFB1-glutathione conjugate.', *Chemico. Biol. Interactions*, pp.

- 16- Allameh A., Amini-Harandi A., Osati-Ashtiani F., O' Brien PJ. 2008, 'Iron overload induced apoptotic cell death in isolated rat hepatocytes mediated by reactive oxygen species.', *Iran. J. Pharmacet. Sci*, No. 7, pp. 115-121
- 17- Abedelahi A, Salehnia M, Allameh AA. 2007, 'The effects of different concentrations of sodium selenite on the in vitro maturation of preantral follicles in serum-free and serum supplemented media.', *J Assist Reprod Genet*, pp.

International Journals

- 1- Dadkha A., Fatemi F., Kazemnejad S., Rasmi Y., Ashrafi-Helan and Allameh A. 2006, 'Differential effects of acetaminophen on enzymatic and non-enzymatic antioxidant factors and plasma total antioxidant capacity in developing and adult rats', *Molecular and Cellular Biochemistry*, No. 145, pp. 52-281
- 2- Allameh A., Safamehr A., Mirhadi S.A, Shivazad M., Razzaghi-Abyaneh M. and Afshar-Naderi A 2006, 'Evaluation of biochemical and production parameters of broiler chicks fed ammonia treated aflatoxin contaminated maize grains', *Animal Feed Science and Technology*, No. 122, pp. 289-301
- 3- Razzaghi-Abyaneh M., Allameh A., Tiraihi T., Shams-Ghahfarokhi M. and Ghorbanian M. 2005, 'Morphological alterations in toxigenic *Aspergillus parasiticus* exposed to neem (*Azadirachta indica*) leaf and seed aqueous extracts', *Mycopathologia*, No. 159, pp. 565-570
- 4- Rasooli I., Rezaei B. and Allameh A. 2005, 'Growth inhibition and morphological alterations of *Aspergillus niger* by essential oils from ', *Food Control*, No. 17, pp. 359-364
- 5- Farzaneh A. , Allameh A., Pratt S., Moore N., Travis L., Gottschalg E., Kind C., Fry J 2005, 'Increased Heat Shock Protein 70 Expression Following Toxicant-Mediated Cytotoxicity An Ubiquitous Marker of Toxicant Exposure?', *ALTA- Alternatives to Laboratory Animals*, No. 33, pp.
- 6- Naderi Kalali B., Allameh A., Rasaee M.J., Bach H.-J., Behechti A., Doods K., Kettrup A., Schramm K. -W. 2005, 'Suppressive effects of caraway (*Carum carvi*) extracts on 2, 3, 7, 8-tetrachloro-dibenzo-p-dioxin-dependent gene expression of cytochrome P450 1A1 in the rat H4 II E cells', *Toxicology in Vitro*, No. 267, pp. 195-201
- 7- Rahbarizadeh F., Rasaee M.J., Forouzandeh M. and Allameh A , 'Over expression of anti-MUC1 single-domain antibody fragments in the yeast *Pichia pastoris*', *Molecular Immunology*, , pp.
- 8- Ansari Hadipour H., Allameh A. Hajhaidari M., Dadkhah A. and Rasmi Y. 2004, 'Influence of plasma total antioxidant ability on lipid and protein oxidation products in plasma and erythrocyte ghost obtained from developing and adult rats treated with two vitamin K formulations', *Mol. Cell. Biochem*, No. 267, pp. 195-201
- 9- Rahbarizadeh F., Rassae MJ, Forouzandeh MM., Allameh A. and Sadroddiny E. 2004, 'Production of novel recombinant single-domain antibodies against tandem region of MUC1 mucin', *Hybridoma and Hybridomics*, No. 23, pp. 151-159
- 10- Mohammadzadeh GS, Nasser Moghadam S., Rassae MJ, Zaree AB, Mahmoodzadeh H. & Allameh A 2003, 'Measurement of glutathione S-transferase and its class-P in plasma and tissue biopsies obtained after laparoscopy and endoscopy from subjects with esophagus and gastric cancer', *Clinical Biochemistry*, No. 36, pp. 283-288
- 11- Allameh A. and Alikhani N 2003, ' Acetaminophen-glutathione conjugate formation in a coupled cytochrome P-450-glutathione S-transferase assay system mediated by subcellular preparations from adult and weanling rat tissues', *Toxicology in Vitro*, pp.
- 12- Allameh, A., Razzaghi. M., Shams, M., Rezaee, MB. And Jaimand, K 2003, ' Effects of neem leaf extract on production of aflatoxins and activities of fatty acid synthetase, isocitrate dehydrogenase and glutathione S-transferase *Aspergillus parasiticus*', *Mycopathologia*, , pp.
- 13- Namazi M., Allameh A., Aminshahidi M., Nohee A. and Malekzadeh F 2003, ' Inhibitory effects of ammonia solution on growth and aflatoxins production by *Aspergillus parasiticus* NRRL-2999', *Acta Poloniae Toxicologica*, pp.
- 14- Biramijamal, F, Allameh A. , Mirbood, P., Groone H.J. and Holstein M 2002, 'Unusual profile and high prevalence of P53 mutations in esophageal squamous cell carcinoma from Northern Iran', *Cancer Res*, pp.
- 15- Allameh A., Farahani M., Zarghi A 2001, ' Kinetic studies of aflatoxin B1-glutathione conjugate formation in liver and kidneys of adult and weaning rats', *Mechanism Ageing Development*, pp.
- 16- Allameh A., Parhizkar A., and Hajzadeh E 1998, ' Inhibitory effects of aflatoxin B1 on liver DNA biosynthesis in day-old and adult broiler chickens', *J. Vet. Pharmacol. Ther*, pp.
- 17- Allameh A., Vansoun E. Y. and Zarghi A 1998, 'Role of glutathione conjugation in protection of weanling rat liver against acetaminophen-induced hepatotoxicity', *Mechanism of Ageing & Development*, pp.

- 18- Allameh A 1998, 'Comparison of low and high dose butylated hydroxytoluene on rat liver microsome-mediated AFB1-DNA binding', *Cancer Letters*, pp.
- 19- Chelcheleh M. and Allameh A 1996, 'In vivo biotransformation of aflatoxin B1 and its interaction with cellular macromolecules in neonatal rats', *Mechanism of Ageing & Development*, , pp.
- 20- Biswas G., Raj H. G., Allameh A. Saxena M & Mukerji K.G 1994, ' Interatracheal administration of aflatoxin B1to rat and hamster: Comparison of macromolecular binding in lung and liver', *Teratogenesis, Carcinogenesis & Mutagenesis*, pp.
- 21- Behroozikha M., Saidee M., and Allameh A 1993, 'Comparison of aflatoxin B1-DNA binding and glutathione conjugate formation by liver preparations from rats of different ages', *Cancer Letters*, pp.
- 22- Allameh A., Saxena M., Biswas G., Raj H. G., Singh J. and Srivastava N. 1992, 'Piperine , a plant alkaloid of the piper species enhanced the bioavailability of aflatoxin B1 in rat tissues', *Cancer Lett*, pp.
- 23- Saxena M, Allameh A., Raj H. G. and Singh J. 1990, ' Modulation of aflatoxin B1-DNA binding in vitro and in vivo by piperine', *Cancer Letters*, pp.
- 24- Allameh A., Saxena M., & Raj H. G 1990, 'Interaction of aflatoxin B1 metabolites with cellular macromolecules in neonatal rats receiving carcinogen through mother's milk)', '*Carcinogenesis (London*, pp.
- 25- Saxena M, Allameh A., Raj H.G and Mukerji K. G. 1990, 'Studies on glutathione S-transferases of *Aspergillus flavus* group in relation to aflatoxin production', *J. Toxicology-Toxin Rev*, pp.
- 26- Allameh A. Saxena M. and Raj H. G 1990, 'Differential effects of phenolic antioxidants on the metabolism of aflatoxin B1', *J. Toxicology-Toxin Rev*, pp.
- 27- Allameh A., Saxena M. & Raj HG 1989, 'Lack of influence of butylated hydroxytoluene on modification of lung microsome-mediated aflatoxin B1-DNA binding', *Cancer Lett*, pp.
- 28- Allameh A., Saxena M. and Raj H. G 1989, ' Differential effects of butylated hydroxyanisole on metabolism of aflatoxin B1 in vitro by liver and lung microsomes. ', *Cancer Lett*, pp.
- 29- Allameh A., Saxena M. Mehta L. M. and Raj H. G 1988, 'Comparison of pulmonary and hepatic glutathione depletion by diethylmaleate', *Medical Science Res.*, pp.
- 30- Mohammadzadeh-Ghobadloo, Yaghmaei B., Allameh A., Hassani P., Noorinayer B. and Zali M.R , 'Polymorphisms of glutathione S-transferase M1, T1, and P1 in patients with HBV-related liver cirrhosis, chronic hepatitis, and normal carriers', *Clinical Biochemistry*, No. 39, pp. 46-49
- 31- Rasooli I., Rezaei M.B. and Allameh A 2006, 'Ultrastructural studies on antimicrobial efficacy of thyme essential oils on *Listeria monocytogenes*', *International Journal of Infectious Diseases*, No. 10, pp. 236-241
- 32- Rasooli I., Rezaei M.-Bagher and Allameh A. 2006, 'Growth inhibition and morphological alterations of *Aspergillus niger* by essential oils from *Thymus eriocalyx* and *Thymus x-porlock*. ', *Food Control*, , Vol. 17, pp. 359-364
- 33- Fatemi F., Allameh A., Dadkhah F., Forouzandeh M., Kazemnejad S. and Sharifi R. 2006, 'Changes in hepatic cytosolic glutathione S-transferase activity and expression of its class-P during prenatal and postnatal period in rats treated with aflatoxin B1.', *Archives of Toxicology*, No. 80, pp. 579-572
- 34- Taghizadeh-Afshar A., Shirpoor A., Amirabbas F., Saadatian R., Rasmi Y., Saboory E., Ilkhanizadeh B., and Allameh A. 2006, 'The effect of ginger on diabetic nephropathy, plasma antioxidant capacity, and lipid peroxidation in rats.', *Food Chemistry*, , Vol. 101: , pp. 148-153.
- 35- Razzaghi-Abyaneh M, Shams-Ghahfarokhi M, Kawachi A, Eslamifar A, Schmidt OJ, Schmidt, A., Allameh A. and Yoshinari T. 2006, 'Ultrastructural evidences of growth inhibitory effects of a novel biocide, Akacid®plus, on an aflatoxigenic *Aspergillus parasiticus*', *Toxicon*, Vol. 48, pp. 1075-1082
- 36- Rasmi Y., Allameh A., Nasseri-Moghaddam S. Gill P., Forouzandeh-Moghaddam M., Hedayati M. 2006, 'Comparison of glutathione S-transferase-Pi expression at mRNA levels in esophageal mucosa using RT-PCR-ELISA in individuals with reflux diseases, adenocarcinoma, and squamous cell carcinoma', *Clinical Biochemistry*, , No. 39, pp. 997-1001
- 37- Mirzaee A., Allameh A., Mortazavi SB, Khavanin A., Kazemnejad A., Akbary A 2007, 'Assessment of outer hair cell function and blood antioxidant status of rabbits exposed to noise and metal welding fumes', *Auris Nasus Larynx*, Vol. 34, pp. 145-147
- 38- Zargari M, Allameh A., Sanati, MH, Taki Tirarhi, Lavasani S and Emadyan O 2007, 'Relationship between the clinical scoring and demyelination in central nervous system with total antioxidant capacity of plasma during experimental autoimmune encephalomyelitis development in mice. ', *Neuroscience Letters*, No. 412, pp. 24-28

- 39- Kazemnejad S., Yusef Rasmi Y., Sharifi R., Allameh A 2006, 'Class-Pi of glutathione S-transferases, : A review. ', *Iran. J. Biotechnol.*, Vol. 4, No. 1, pp. 1-16
- 40- 12- Ghorbanian M, Razzaghi-Abyaneh M, Allameh A, Shams-Ghahfarokhi M, and Qorbani M , 'Study on the effect of neem (*Azadirachta indica* A. juss) leaf extract on the growth of *Aspergillus parasiticus* and production of aflatoxin by it at different incubation times.', *Mycoses*, 51: 35-39. , pp.
- 41- Rasooli I., Fakoor MH, Yadegarinia D, Gachkar L, Allameh A. and Rezaei MB 2008, 'Antimycotoxigenic characteristics of *Rosmarinus officinalis* and *Trachyspermum copticum* L. essential oils.', *International Journal of Food Microbiology*, No. 122, pp. 135-139
- 42- Kazemnejad S., Allameh A., Soleimani A., Gharebaghian A, Mohammadi Y., Amirzadeh N., Kaviani S. and Amani M 2007, 'Development of a novel 3D-biocompatible nanofibrous scaffold for the expansion and hepatogenic differentiation of human bone marrow mesenchymal stem cells. ', *Iranian J. Biotech.*, , No. 5, pp. 201-211
- 43- Sharifi R, Allameh A, Biramijamal F, Mohammadzadeh SH, Rasmi Y., Tavangar SM, and Jamali Zavarei M. 2008, 'Relationship between genetic polymorphism of glutathione S-transferase-P1 and p53 protein accumulation in Iranian esophageal squamous cell carcinoma patients. ', *Indian J. Cancer*, No. 45, pp. 8-12
- 44- Ziglari T., Allameh A., Razzaghi-Abyaneh M., Khosravi AR, Yadegari MH 2008, 'Comparison of glutathione S-transferase activity and concentration in aflatoxin-producing and their non-toxigenic counterpart isolates.', *Mycopathologia*, , No. 166, pp. 219-226
- 45- Kazemnejad S., Allameh A., Gharebaghian A, Soleimani A., Amirzadeh N. and Ismaeili S. 2008, 'Functional hepatocyte-like cells derived from human bone marrow mesenchymal stem cells on a novel three-dimensional biocompatible nanofibrous scaffold.', *The International J. Artificial Organs*, No. 31, pp. 500-507
- 46- Kazemnejad S., Allameh A., Gharebaghian A, Soleimani A., Amirzadeh N. 2008, 'Efficient replacing of fetal bovine serum with platelet lysate during propagation and differentiation of human bone marrow derived mesenchymal stem cells to functional hepatocytes-like cells.', *Vox Sanguinis (Journal of International Society of Transfusion Medicine)*, , No. 951, pp. 149-58
- 47- Allameh A., Maleklou N., Zargari M., Sanati MH 2008, 'The influence of uric acid treatments on liver glutathione system prevent oxidative damages in experimental autoimmune encephalomyelitis mice.', *Neuroscience Lett*, No. 439, pp. 111-115
- 48- Kazemnejad S., Allameh A., Gharebaghian A, Soleimani M., Mohammadi Y., Amirzadeh N. and Jazayeri M. , 'Improvement of the functionality of hepatocyte-like cells derived from human bone marrow mesenchymal stem cells on a three-dimensional biodegradable nanofibrous scaffold.', *J. Gastroenterology Hepatology (In Press)*, pp.
- 49- Jazayeri M., Allameh A., Soleimani M., Jazayeri SH, Kaviani S. and Kazemnejad S 2008, 'Capillary network formation by endothelial cells differentiated from human bone marrow mesenchymal stem ', *Iranian J. Biotechnology*, , No. 6, pp. 29-35
- 50- Jazayeri M., Allameh A., Soleimani M. Jazayeri SH, Piryaee A, Kazemnejad S. 2008, 'Molecular and ultra-structural characterization of endothelial cells differentiated from human bone marrow mesenchymal stem cells.', *Cell Biology International.*, No. 32, pp. 1183-1192
- 51- Fatemi F., Allameh A., Khalafi H., Ashrafihelan J, 2010. Hepatoprotective effects of gamma-irradiated caraway essential oils in experimental sepsis. *Applied Radiation and Isotopes*, 68 pp 280-285.
- 52- Fatemi F., Allameh A., khalafi H., Rajaei R., Davoodian N., Rezaee M.B., 2011. Biochemical properties of gamma-irradiated caraway essential oils. *Journal of Food Biochemistry*, 35: 650-662
- 53- (4)13 مطلبی کاشانی- مرتضوی-خوانین-علامه-میرزائی-اکبری: بررسی تاثیر مواجهه با صدا و متواکسید کربن بر ظرفیت آنتی اکسیدانی پلاسما و میزان گلوکوتائین خون خرگوش. فصلنامه طب جنوب: 240-230.

Refereed National Conference Proceedings

- 1- 2005, First International congress of Biochemistry and 8th Iranian Biochemical Congress, pp.
- 2- 2005, 5th World Congress on Alternatives and Animal Use in the Life Sciences, pp.

- 3- 2003, 22nd World Congress of Pathology and Laboratory Medicine-Pusan, Korea, pp.
- 4- 2002, 19th European Drug Metabolism Workshop, Valencia, Spain., pp.
- 5- 2002, Human Genome Diversity in Islamic countries (International Conference), Tehran, I.R. Iran., pp.
- 6- 2001, Eurotox 2001, the XXXIX European Congress of Toxicology, Istanbul, Turkey., pp.
- 7- 1999, P53 Workshop, Twenty year on, Trieste, Italy, pp.
- 8- 1998, International Congress of Toxicology (ICT-VIII), Paris, France, pp.
- 9- 1997, 7th European Association for Veterinary Pharmacology & Toxicology (EAVPT) International Congress, Madrid, Spain, pp.
- 10- 1997, International training course on the use of oocytes for studying structure, function and regulation of membrane proteins. (UNESCO). Chinese Academy of Science-Max-Planck Institute, Shanghai-China, pp. , .
- 11- 1997, First International Congress of Asia-Pacific Association of Medical Toxicology (APAMT-1), Tehran., pp.
- 12- 1996, International Congress of Occupational Health (ICOH). Stockholm, Sweden , pp.
- 13- 1996, Second International Congress of Food & Cancer Prevention, Ede, The Netherlands , pp.
- 14- 1994, International Congress of Biochemistry & Molecular Biology (IUBMB), New Delhi, India , pp.
- 15- 1993, International conference on Interactions of cancer susceptibility genes and environmental carcinogens. IARC-AACR, Lyon, France , pp.
- 16- 1992, International Congress of Toxicology, Rome Italy , pp.
- 17- 1991, International symposium on cytochrome P-450 of microorganisms, Berlin, Germany , pp.
- 18- 1989, International symposium on Agricultural and Biological Aspects of Aflatoxin-related health hazards. Delhi, India, pp.
- 19- 1988, International Workshop of toxication and Detoxication, ITRC- IUPHAR-FDA, Lucknow, India , pp.
- 20- 2007, International congress of Biochemistry and 8th Iranian Biochemical Congress. Shiraz, Iran, pp.

Refereed International Conference Proceedings

- 1- .Kazemnejad S., Allameh A. , 'Differentiation of functionally active hepatocyte-like cells from human adult bone marrow mesenchymal stem cells on a 3D nanofibrous scaffold.', Asian Pacific Digestive Week, pp.

Memberships in Societies

- 1- Member, Board of Examination and Evaluation of Biochemistry, Ministry of Health, I.R. Iran, -
- 2- Active Member, American Association for Cancer Research (AACR), -
- 3- Iranian Association of Biochemistry, -
- 4- Managing Editor and Member of Editorial Board, Iranian Journal of Biotechnology, -
- 5- انجمن سرطان آمریکا (AACR), -

Editorial Board of Journals

- 1- ایران, دبیر و عضو هیئت تحریریه, Iranian Journal of Biotechnology,
- 2- آلمان, Toxicology,
- 3- Clinical Biochemistry, Canada

M.Sc. Thesis Supervised

- 1- Alikhani, 'Effects of inducers of young rats liver and kidney cytosolic glutathione S-transferase on paracetamol-glutathione conjugate formation in vitro', Guidance
- 2- Daryadel, 'Studies on the protective role of glutathione peroxidase and catalase against hydrogen peroxide in erythrocytes of G6PD-deficient children', Guidance
- 3- Mashkani, 'The response of weanling rat brain cytosolic glutathione S-transferase to theophylline', Guidance
- 4- Naderi, 'Possibilities of down regulating the over expression of cytochrome P-450 1A1 in rat hepatocytes at mRNA level', Guidance
- 5- Farahani, 'Kinetics of aflatoxin B1-glutathione conjugate formation in weanling rat liver and kidney', Guidance
- 6- Mohammadi, 'Biotransformation of Benzo[a]pyrene in vitro and its binding to DNA using microsomes from weanling rat epiderm', Guidance
- 7- Nikseresht, 'The role of glutathione in protection of weanling rat liver against acetaminophen-induced lipid peroxidation', Guidance
- 8- Sadaat, 'Measurement of DNA repair in lymphocytes of children with Down's syndrome using 3H-thymidine incorporation', Guidance
- 9- Khorsandi, 'Role of catalase and glutathione S-transferase in disease-resistance mechanism of wheat heads against fusarium head blight.', Guidance
- 10- Hosseini, 'Correlation between polycyclic aromatic hydrocarbon levels in carbon black and breathing zone air samples in a tyre factory', Guidance
- 11- parasiticus, 'Studies on the effects of ammonia on growth and aflatoxin-production by toxigenic strain of Aspergillus', Guidance
- 12- Amin-Shahidi, 'A survey on aflatoxin-producing Aspergilli in Iranian pistachio nuts and their toxigenic potential', Guidance
- 13- Esmailzadeh, 'Effects of chlorine -treated poultry's feed on performance and biochemical parameters of chicks', Guidance
- 14- Parhizkar, 'Comparison of the inhibitory effects of aflatoxin B1 in adult and day-old chicks hepatic DNA biosynthesis', Guidance
- 15- Khairdoosh, 'Measurement of blood levels of cyclosporine (Sandimmune) and Sandimmune-Neoral by HPLC in kidney-transplanted patients', Guidance
- 16- Shahabi, 'Investigation of the role of aluminium in causation of microcytic anemia in hemodialyzed patients', Guidance
- 17- Halalkhor, 'Effects of diethylstilben on glutathione S-transferase activity and isoenzymes in fetal, neonatal and adult rat liver', Guidance
- 18- Amini, 'Purification and characterization of glutathione S-transferases from adult and newborn rat liver', Guidance
- 19- helcheleh, 'Aflatoxin B1 binding to newborn rat liver macromolecules', Guidance
- 20- Behroozikha, 'Role of glutathione system in biotransformation of aflatoxin B1 in rats of different ages', Guidance
- 21- Saeedi, 'Age-related developmental changes of aflatoxin B1 metabolizing enzymes in rat', Guidance

Ph.D. Thesis Supervised

- 1- Amini Harandi, 'The relationship between iron overload and apoptosis in adult and weanling rat hepatocytes', Guidance
- 2- Biramijamal, 'P53 gene mutations and LOH in esophageal tumor tissues', Guidance
- 3- Razzaghi, 'Relationship between aflatoxin formation and molecular characteristics of glutathione S-transferase in Aspergilli species isolated from pistachio nuts', Guidance
- 4- Hadipor Ansari, 'Comparison of oxidant and antioxidant status of newborn rat red blood cells before and after vitamin K1 treatments', Guidance

- 5- Naderi Kalali, 'Possibilities of down regulating the over expression of cytochrome P-450 1A1 in rat hepatocytes at mRNA level', Guidance
- 6- Zareie, 'Radio-immunoassay for glutathione S-transferase class pi measurement in sera of subjects', Guidance
- 7- Vansoun, 'Role of cellular glutathione in protection of newborn rat liver against acetaminophen hepatotoxic effects', Guidance
- 8- Nezami, 'Effects of some Iranian medicinal plants on aflatoxin B1 metabolism and its covalent binding in vitro', Guidance
- 9- Ghazisaeedi, 'Role of inducers of drug metabolizing enzymes in protection of neonatal rat liver with special emphasis on Nicotine metabolism', Guidance

Didactic Terms

- 1- فرصت مطالعاتی, - , اسکاتلند
- 2- - فرصت مطالعاتی

Professional Experiences

- 1- Professor, 01/12/2002 - , December 2002- Present
- 2- Associate Professor, 01/09/1997 - 01/12/2002
- 3- Assistant Professor, 01/02/1991 - 01/09/1997, February 1991 to September 1997
- 4- Head of the Biochemistry Department , 01/04/1992 - 01/06/1997, April 1992 to June 1997
- 5- Director, Faculty of Medical Sciences, 01/10/2005 - , October 2005- Present
- 6- - عضو هیئت ممکنه و ارزشیابی رشته بیوشیمی-وزارت بهداشت

Seminars

- 1- 22- International Workshop of toxication and Detoxication, ITRC- IUPHAR-FDA, لکنهو - هندوستان, کارگاه عملی
- 2- 21- International symposium on Agricultural and Biological Aspects of Aflatoxin-related health hazards. , دهلی-هندوستان
- 3- 20- International symposium on cytochrome P-450 of microorganisms, برلین- آلمان
- 4- 19- International Congress of Toxicology, رم- ایتالیا
- 5- 18- International conference on Interactions of cancer susceptibility genes and environmental carcinogens. , Lyon, France, . IARC-AACR
- 6- 17- International Congress of Biochemistry & Molecular Biology (IUBMB), دهلی-هندوستان
- 7- 16- Second International Congress of Food & Cancer Prevention, Ede, The Netherlands
- 8- 15- International Congress of Occupational Health (ICOH). , Stockholm, Sweden
- 9- 14- First International Congress of Asia-Pacific Association of Medical Toxicology (APAMT-1), تهران-ایران
- 10- 13- International training course on the use of oocytes for studying structure, function and regulation of membrane proteins. (UNESCO). , شانگهای-چین
- 11- 12- 7th European Association for Veterinary Pharmacology & Toxicology (EAVPT) International Congress, Madrid, Spain
- 12- 11- International Congress of Toxicology (ICT-VIII), Paris, France
- 13- 10- P53 Workshop, Twenty year on, Trieste, Italy.

14-	9- Eurotox 2001, the XXXIX European Congress of Toxicology, استانبول-ترکیه
15-	8- Human Genome Diversity in Islamic countries (International Conference), تهران-ایران
16-	7- 19th European Drug Metabolism Workshop, Valencia, Spain
17-	6- 22nd World Congress of Pathology and Laboratory Medicine, Pusan, Korea
18-	5- The 3rd World Congress on Medicinal and Aromatic Plants for Human Welfare (WOCMAP III). , Chiang Mai, Thailand.
19-	4- 14th Biennial conference of Asian Pacific Association for the study of the liver. , New Delhi, India.
20-	3- 5th World Congress on Alternatives and Animal Use in the Life Sciences. , Berlin, Germany
21-	2- First International congress of Biochemistry and 8th Iranian Biochemical Congress. , Tehran, Iran
22-	1- Third Regional Conference on Medical Journals in the Eastern Mediterranean. , Shiraz, I. R. Iran
23-	XII Asian Symposium on Medicinal Plants Species and Other Natural Products, Padang, Indonesia
	24-

Others

- 1- Honors and Awards: , - Travel Fellowship from the Humane Society, USA to participate in the 5th World Congress on Alternatives and Animal Use in the Life Sciences. August 21-25, 2005, Berlin, Germany
 - Sabbatical leave. Use of transgenic mice in studying resistance to hepatotoxic drugs. Biomedical Research Center and Medical School, University of Dundee, The U.K. August 1999-February 2001.

File:

- 2- Reviewer for international scientific journals: , - Clinical Biochemistry
 - Toxicology

File:

- 3- Research Grants: , 1- Principal Investigator of the project "Age-related development of xenobiotic enzymes and resistance to chemical carcinogens". Ministry of Science, Research and Technology, Iran, 1991-1995, US\$ 200, 000.
 2- Principal Investigator of the project "Design and construction of safe pilot plant for detoxification of aflatoxin-contaminated corns". Iranian National Research Council, 1998-2001, US\$ 30, 000.
 3- Co-investigator of the project "Correlation between P53 codon 72 and GST-P1 codon 105 polymorphism and occurrence of papiloma virus in human esophagus squamous cell carcinoma". NRCGEB, 2001-2004., US\$ 25000.
 4- Co-investigator of the project "Relationship between the pathogenesis of EAE with the status of oxidative and antioxidative system in mouse brain, spinal cord and plasma. NICGEB, 2003-2005., US\$ 22000.

File: