

CURRICULUM VITAE



Dr. Ali Mandegary-Bamakan

Ph.D., Professor of Toxicology & Pharmacology

Scopus Author ID: 10338852100 (*H-Index: 14*)

ORCID: 0000-0002-1065-9349

ISI Researcher ID: O-9809-2017

Google scholar: <https://scholar.google.com/citations?user=jULAFLwAAAAJ&hl=en> (*H-Index: 17*)

■ PERSONAL INFORMATION

- **Nationality** Iranian
- **Birth Date** 14. 9. 1977
- **Marital Status** Married
- **E-mail** alimandegary@kmu.ac.ir
alimandegary@yahoo.com

○ Mailing address

- Dept. of Toxicology & Pharmacology, School of Pharmacy, Kerman University of Medical Sciences, PO Box, 76175-493, Iran, **Tel/Fax:** 98-34-31325011, **Fax:** 98-34-31325003.

■ ACADEMIC BACKGROUND

○ Ph.D. program (in Toxicology & Pharmacology) 2003-2008

Department of Toxicology and Pharmacology, Tehran University of Medical Sciences (TUMS), Tehran, Iran.

o **M. Sc. program** (in Medical Toxicology) **1999-2002**

Department of Forensic Medicine, Faculty of Medicine, Tehran University of Medical Sciences (TUMS), Tehran, Iran.

o **B.Sc. program** (in Biology) **1995-1999**

Department of Biology, Faculty of Sciences, University of Tehran, Tehran, Iran.

o **Diploma** (in Experimental Science) **1991-1995**

Allameh-Tabatabaei High School, Yazd, Iran.

■ THESIS

- **M.Sc. Thesis:** Ali Mandegary-Bamakan (2002) "Evaluation of the anticonvulsant, antinociceptive and anti-inflammatory activities of root and seed aqueous, methanol and acetone extracts of *Ferula gummosa* Boiss. in animal models of convulsion, pain and inflammation in rat and mice".
- **Ph.D. Thesis:** Ali Mandegary-Bamakan (2008) "Study of toxicokinetic and toxic effects of arsenic trioxide in patients with acute promyelocytic leukemia (APL) and evaluation of PML/RAR α , Bcl2 and Bax expression and Caspase-3 activity during the treatment".

■ TEACHING EXPERIENCE

- **2002-2003** Toxicology and Pharmacology training, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran.
- **2003-2006** Toxicology and Pharmacology training, Pharm. D. program, Faculty of Pharmacy, Tehran University of Medical sciences, Tehran, Iran.
- **2009-present** Toxicology and Pharmacology training, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran.
- **2009-present** Toxicology and Pharmacology training, MSc of Toxicology program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran.

■ AWARDS

- o Membership of “Elite (Nokhbegan) Foundation” of Iran.

- First-ranked winner of Razi International Festival of Medical Sciences in the top M.Sc. Course Thesis, 2005.
- The first order in Ph.D. entrance exam of Toxicology & Pharmacology in 2002.
- The first order in Ph.D. board exam of Toxicology & Pharmacology in 2005.

■ GRANTS

- Research grant from National Elite Foundation, Presidency of Islamic Republic of Iran.
- Research grant from Kerman University of Medical Sciences.
- Research grant from Iran National Science Foundation, 2015.

■ PROJECTS

1. Relation between UGT-1A9 polymorphisms and metabolism of Mycophenolate Mofetil in kidney transplanted non-diabetic patients. *“Technical Co-worker”*
2. Relation between CYP-2C9 and CYP2C19 polymorphisms and serum level of the hepatotoxic metabolite of Valproic acid. *“Technical Co-worker”*
3. The role of glutathione-S-transferase polymorphisms on clinical outcome of ALI/ARDS patient treated with N-acetylcysteine. *“Technical Co-worker”*
4. The role of Nitric oxide in glutathione synthesis during endotoxemia. *“Technical Co-worker”*
5. Effect of Arsenic Trioxide and Dexamethasone on the Proliferation, Differentiation, Cytotoxicity and Expression of p38 in NB4 Cell. *“Project manager”*
6. Expression of PML/RAR α , Bcl2 and Bax and Caspase-3 activity during the treatment with arsenic trioxide in patients with acute promyelocytic leukemia (APL). *“Project manager”*
7. Glutathione S-Transferase (GST) genotypes and genetic susceptibility in Acute Promyelocytic Leukemia (APL; AML-M3). *“Project manager”*
8. The effect of Indomethacin and dexamethasone on the cytotoxicity of arsenic trioxide on the A549 cell line and expression of MAPKs, Cox-2, p47phox and Bax. *“Project manager”*
9. Glutathione-S-transferase polymorphisms and its relation to laboratory parameters and oxidative stress markers in workers in sour natural gas refinery plant. *“Project manager”*

10. NAD(P)H:quinone oxidoreductase (NQO1) polymorphism and its relation to laboratory parameters and oxidative stress markers in workers in sour natural gas refinery plant. *“Project manager”*
11. Association of genetic polymorphism in several genes involved in inflammation processes and metabolism of xenobiotics and liver function tests and response to Silymarin in the subjects chronically exposed to hydrogen sulfide. *“Project manager”*
12. Genetic association of interleukin-6, tumor necrosis factor-alpha, tumor growth factor- beta and interferon gamma gene polymorphisms with allograft function in renal transplant patients. *“Project manager”*
13. Anticonvulsant effects and acute and neurotoxicity of the alcoholic extract of three endemic medicinal plants in the animal models of chemical and electrical seizures. *“Project manager”*
14. Anticonvulsant effects and acute and neurotoxicity of the essential oils of three endemic medicinal plants in the animal models of chemical and electrical seizures. *“Co-worker”*
15. Association of CCR2 and CCR5 chemokine genetic polymorphisms of donors and recipients with allograft function in renal transplantation in Afzali-pour Hospital, Kerman. *“Project manager”*
16. Microsomal epoxide hydrolase (mEH) polymorphism in workers of sour and sweet natural gas refinery plants and its relation to lung function. *“Project manager”*
17. Association of polymorphisms of genes involved in stress oxidative (NQO1, GSTs and p22 phox) and oxidant/antioxidant biomarkers in the blood with the stages of disease and exacerbations in the cigarette smoking patients with chronic obstructive pulmonary disease (COPD). *“Project manager”*
18. Association of polymorphisms of genes involved in the metabolism of cigarette smoke's compounds with severity of disease and exacerbations in the chronic obstructive pulmonary disease (COPD) patients. *“Project manager”*
19. Association of GST M1-null and T1-null and NADPH oxidase p22 phox C242T polymorphisms of recipients and donors with oxidative stress, allograft function, hypertension and proteinuria in renal allograft recipients. *“Project manager”*
20. ...

■ FIELD OF INTERESTS

- Investigation of cell signaling pathways involved in the effect/resistant of anti-cancer drugs, especially apoptosis and survival pathways (e.g. MAPKs).
- Investigation of new treatments, with focusing on natural products, for different cancers.
- Investigation of new treatments, with focusing on natural products, for liver injuries induced by acetaminophen, tetrachloride carbon and concanavalin-A.
- Investigation of new treatments, with focusing on natural products, for lung fibrosis induced by bleomycin and paraquat.
- Investigation of new treatments, with focusing on natural products, for liver injuries induced by acetaminophen, tetrachloride carbon and concanavalin-A.
- Study of relation between genetic polymorphisms in metabolizing enzymes (phase I and II) and treatment outcome.
- Study of relation between genetic polymorphisms in metabolizing enzymes (phase I and II) and susceptibility to disease.
- Animal models of lung fibrosis induced by paraquat herbicide and bleomycin drug.

■ ATTENDANCE IN CONGRESS

1. **Mandegary, A** and Azmandian, J. “Association of Donors and Recipients GST M1 and T1 Genes Polymorphisms and Oxidative Markers with Delayed Graft Function after Renal Transplantation” poster presented in 21th Iranian International Congress of Physiology and Pharmacology, Tabriz, Iran, 23-27 August 2013.
2. **Mandegary, A.** “Hepatoprotective Effect Of Silymarin In Individuals Chronically Exposed To Hydrogen Sulfide” oral presented in 12th Iranian Congress of Toxicology, Srai, Iran, 15-17 May 2013.

3. Saidi, A., **Mandegary, A.** "GST-M1 and -T1 genes polymorphisms and oxidative stress parameters determine elevation of liver function tests (LFTs) in the workers of sweet- and sour-gas refinery plants" as poster presented in the 11th Congress of Iranian Society of Toxicology, Mashad, Iran, 13-15 September 2011.
4. **Mandegary, A.**, Oancea, C., Mehrabani, M., Ghahremani, MH., and Ruthardt, M. " *Combination Effects of Arsenic Trioxide, All-Trans Retinoic Acid and Dexamethasone on the Proliferation, Apoptosis and Differentiation of NB4 Cell Line*" oral presented in 19th Iranian congress of Physiology & Pharmacology, Tehran, Iran, 5-8 November, 2010.
5. **Mandegary, A.**, Hosseini, R., Ghaffari, SH., Alimoghaddam, K., Ghavamzadeh, A, and Ghahremani, MH. "Treatment of Newly Diagnosed Acute Promyelocytic Leukemia (APL) with Arsenic Trioxide; Clinical Efficacy, Safety and Molecular Analysis During Treatment" presented in 9th international Asian Pacific cancer Congress (APCC), Tehran, Iran, 2007.
6. **Mandegary, A.**, Sayyah, M and Kamalinejad, M. "Evaluation of the Anticonvulsant Activity of the Methanol Extract of *Ferula gummosa* in Mice" presented as a poster in 15th Iranian congress of Physiology & Pharmacology, Shiraz, Iran, Nov. 5-8, 2001.
7. **Mandegary, A.**, Sayyah, M, Kamalinejad, M and Heidari, M.R."Evaluation of the Antinociceptive and Anti-inflammatory Activity of the Seed and Roots Aqueous, Methanol and Acetone Extracts of *Ferula gummosa* Boiss. in Mice and Rats" presented as lecture in 16th Iranian congress of Physiology & Pharmacology, Tehran, Iran, May 9-13, 2003.
8. Heidari, M.R, **Mandegary, A.**, and Kamalinejad, M."Evaluation of the Antinociceptive Effect and Histopathology of the Methanol Extract of *Saturaja hortensis* in Mice" presented as lecture in 16th Iranian congress of Physiology & pharmacology, Tehran, Iran, May 9-13, 2003.
9. Abdi, Kh., **Mandegary, A.** and Amini, M. "Determination of Cypermethrine, Diallylethrine, Tetramethrine and Piperonyl Butoxide by GC " presented as pooster in 8th Iranian congress of physiology & pharmacology, Tehran, Iran, December 6-8, 2004.

■ WORKSHOPS

- Workshop on "Gene Expression", Central Laboratory, Deputy of Research, Kerman University of Medical Sciences, Tehran, Iran, 25-26 Feb, 2015(**Manager**).

-
- Workshop on “*Flow Cytometry*”, Central Laboratory, Deputy of Research, Kerman University of Medical Sciences, Tehran, Iran, 23-25 July, 2011(**Manager**).
- Workshop on “*Cellular and Molecular Methods In Pharmaceutical Sciences Research*”, National Center of Excellence of Toxicology, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, 2-7 December 2006 (**As Facilitator**).
- Workshop on “*Cellular and Molecular Methods In Cancer Research*”, National Center of Excellence of Toxicology, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, 17-22 June, 2006 (**As Facilitator**).
- Workshop on “*Cellular and Molecular Methods In Medical Nanotechnology Research*”, Medical Nanotechnology Research Center, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, 12-17 August, 2006 (**As Facilitator**).
- Workshop on “*Ames Mutagenicity Test*”, Molecular Research Lab. And Microbiology Lab., Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, March 2005.
- Workshop on “*Genotoxicity*”, Molecular Research Lab., Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, May 2005.
- Workshop on “*Research Methods in Pharmaceutical Sciences*”, Pharmaceutical Sciences Research Center, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, January 2004.
- Workshop on “*Scientific Writing*”, Tehran University of Medical Sciences, Tehran, Iran, June 2005.

■ Courses in Foreign Universities

Six months sabbatical in the "Laboratory for Tumor Stem Cell Biology at the medical Clinic II, J. W. Goethe University, Frankfurt, Germany" and working on “the effects of arsenic trioxide and a novel arsenic derivative on the Acute Promyelocytic leukemia (APL), AML1/ETO and DEK/CAN leukemic subtypes in the mouse.”

■ Publications

(1) (2) (3) (4) (5) (6) (7, 8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19, 20)
(21) (22) (23) (24) (25) (26) (27, 28) (29) (30) (31) (32) (33) (34) (35) (36)

(37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (44) (50) (51-53) (54)
 (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71)
 (72) (73) (74) (75) (76) (77) (78) (79) (80, 81)

1. Mohammadinejad R, Sassan H, Pardakhty A, Hashemabadi M, Ashrafizadeh M, Dehshahri A, **Mandegary A. CRISPR/Cas9 mediated efficient Zeb1 and Zeb2 genes knockout in non-small cell lung carcinoma cells.** Bratisl Med J, 2020; 121:In Press.
2. Ashrafizadeh M, Ahmadi Z, Kotla NG, Afshar EG, Samarghandian S, **Mandegary A**, Pardakhty A, Mohammadinejad R, Sethi G. **Nanoparticles Targeting STATs in Cancer Therapy.** Cells, 2019; 8.
3. Tavakol S, Ashrafizadeh M, Deng S, Azarian M, Abdoli A, Motavaf M, Poormoghdam D, Khanbabaei H, Afshar EG, **Mandegary A**, Pardakhty A, Yap CT, Mohammadinejad R, Kumar AP. **Autophagy Modulators: Mechanistic Aspects and Drug Delivery Systems.** Biomolecules, 2019; 9.
4. Ansari M, **Mandegary A**, Mosalanejhad N, Asadi A, Sharififar F. **Nigella sativa L., supplementary plant with anticholinesterase effect for cognition problems: A kinetic study.** Curr Aging Sci, 2019.
5. Hosseindokht M, Boroumand M, Salehi R, **Mandegary A**, Talasaz AH, Pourgholi L, Zare H, Ziaee S, Sharifi M. **Association between four microRNA binding site-related polymorphisms and the risk of warfarin-induced bleeding complications.** EXCLI Journal, 2019; 18:287.
6. Samareh Fekri M, Poursalehi HR, Sharififar F, **Mandegary A**, Rostamzadeh F, Mahmoodi R. **The effects of methanolic extract of Glycyrrhiza glabra on the prevention and treatment of bleomycin-induced pulmonary fibrosis in rat: experimental study.** Drug Chem Toxicol, 2019;1-7.
7. Mohammadinejad R, Dadashzadeh A, Moghassemi S, Ashrafizadeh M, Dehshahri A, Pardakhty A, Sassan H, Sohrevardi SM, **Mandegary A.** **Shedding light on gene therapy: Carbon dots for the minimally invasive image-guided delivery of plasmids and noncoding RNAs - A review.** J Adv Res, 2019; 18:81-93.
8. Mohammadinejad R, Moosavi MA, Tavakol S, Vardar DO, Hosseini A, Rahmati M, Dini L, Hussain S, **Mandegary A**, Klionsky DJ. **Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles.** Autophagy, 2019; 15:4-33.

9. **Mandegari A, Gholami-Javadie A, Jafari M, Sabouri S. [Synergistic Therapeutic Effects of Cimetidine/Famotidine in Combination with Doxorubicin on Cancer Cell Lines]. J Mazandaran Univ Med Sci, 2019; 28:180-5.**
10. **Firouzabadi N, Nouraei H, Mandegary A. Genetic Variant of Glucocorticoid Receptor Gene at rs41423247 and Its Association with Major Depressive Disorder: A Case-Control Study. Galen Medical Journal, 2018; 7.**
11. **Ajdary M, Moosavi M, Rahmati M, Falahati M, Mahboubi M, Mandegary A, Jangjoo S, Mohammadinejad R, Varma R. Health concerns of various nanoparticles: A review of their in vitro and in vivo toxicity. Nanomaterials, 2018; 8:634.**
12. **Mohammadi-Sardoo M, Mandegary A, Nabiuni M, Nematollahi-Mahani SN, Amirheidari B. Mancozeb induces testicular dysfunction through oxidative stress and apoptosis: Protective role of N-acetylcysteine antioxidant. Toxicol Ind Health, 2018; 34:798-811.**
13. **Afzali S, Mandegary A, Alimolaei M, Heidari M-R. Seroprevalence of Anti-Helicobacter pylori and Anti-CagA IgG Antibodies in Iranian Dyspeptic Patients. Int J Enteric Pathog, 2018; 6:56-9.**
14. **Hassanzadeh Davarani F, Ashrafizadeh M, Saberi Riseh R, Ghasemipour Afshar E, Mohammadi H, Razavi SH, Mandegary A, Mohammadinejad R. Antifungal nanoparticles reduce aflatoxin contamination in pistachio. Pistachio and Health Journal, 2018; 1:26-33.**
15. **Hassanzade A, Mandegary A, Sharif E, Rasooli R, Mohammadnejad R, Masoumi-Ardekani Y. Cyclooxygenase inhibitors combined with deuterium-enriched water augment cytotoxicity in A549 lung cancer cell line via activation of apoptosis and MAPK pathways. Iran J Basic Med Sci, 2018; 21:508-16.**
16. **Ajdary M, Moosavi MA, Rahmati M, Falahati M, Mahboubi M, Mandegary A, Jangjoo S, Mohammadinejad R, Varma RS. Health concerns of various nanoparticles: A review of their in vitro and in vivo toxicity. Preprints, 2018.**
17. **Poursalehi HR, Samareh Fekri M, Sharifi Far F, Mandegari A, Izadi A, Mahmoodi R, Nematollahi H, Porgholamhosein F, Ghorani V, Samareh Fekri M. Early and late preventive effect of Nigella sativa on the bleomycin-induced pulmonary fibrosis in rats: An experimental study. Avicenna J Phytomed, 2018; 8:263-75.**
18. **Samareh Fekri M, Mandegary A, Sharififar F, Poursalehi HR, Nematollahi MH, Izadi A, Mehdipour M, Asadi A, Samareh Fekri M. Protective effect of standardized extract of Myrtus communis L. (myrtle) on experimentally bleomycin-induced pulmonary fibrosis: biochemical and histopathological study. Drug Chem Toxicol, 2018:1-7.**

19. Pourgholamhossein F, Rasooli R, Pournamdari M, Pourgholi L, Samareh-Fekri M, Ghazi-Khansari M, Iranpour M, Poursalehi HR, Heidari MR, **Mandegary A. Pirfenidone protects against paraquat-induced lung injury and fibrosis in mice by modulation of inflammation, oxidative stress, and gene expression.** Food Chem Toxicol, 2018; 112:39-46.
20. Ahmadi N, **Mandegary A**, Jamshidzadeh A, Mohammadi-Sardoo M, Mohammadi-Sardo M, Salari E, Pourgholi L. **Hematological Abnormality, Oxidative Stress, and Genotoxicity Induction in the Greenhouse Pesticide Sprayers; Investigating the Role of NQO1 Gene Polymorphism.** Toxics, 2018; 6.
21. Rasooli R, Pourgholamhosein F, Kamali Y, Nabipour F, **Mandegary A. Combination Therapy with Pirfenidone plus Prednisolone Ameliorates Paraquat-Induced Pulmonary Fibrosis.** Inflammation, 2018; 41:134-42.
22. Rasooli R, Pourgholamhosein F, Kamali Y, Nabipour F, **Mandegary A. Correction to: Combination Therapy with Pirfenidone plus Prednisolone Ameliorates Paraquat-Induced Pulmonary Fibrosis.** Inflammation, 2018; 41:364.
23. Pournamdari M, **Mandegary A**, Sharififar F, Zarei G, Zarehshahi R, Asadi A, Mehdipour M. **Anti-Inflammatory Subfractions Separated from Acidified Chloroform Fraction of Fenugreek Seeds (Trigonella foenum-graecum L.).** J Diet Suppl, 2018; 15:98-107.
24. Rasooli R, Rajaian H, Pardakhty A, **Mandegary A. Preference of Aerosolized Pirfenidone to Oral Intake: An Experimental Model of Pulmonary Fibrosis by Paraquat.** J Aerosol Med Pulm Drug Deliv, 2018; 31:25-32.
25. Nouraei H, Firouzabadi N, **Mandegary A**, Zomorrodian K, Bahramali E, Shayesteh MRH, Ansari S. **Glucocorticoid Receptor Genetic Variants and Response to Fluoxetine in Major Depressive Disorder.** J Neuropsychiatry Clin Neurosci, 2018; 30:45-50.
26. Mohammadi-Sardoo M, Nematollahi-Mahani SN, Nabiuni M, **Mandegary A**, Eslaminejad T, Amirheidari B. **[The effects of mancozeb on the integrity of blood- testis barrier and expression of associated genes.].** Cell & Tissue Journal, 2018; 9:56-65.
27. Azmandian J, **Mandegary A**, Pootari M, Nematollahi MH, Ebadzadeh MR, Habibzadeh SD, Dehghani-Firouzabadi MH, Etminan A, Fazeli F, Mousavi M. **Role of Donors and Recipients' Glutathione S-Transferase Gene Polymorphisms in Association of Oxidative Stress With Delayed Graft Function in Kidney Allograft Recipients.** Iran J Kidney Dis, 2017; 11:241-8.
28. Shojaeepour S, Fazeli M, **Mandegary A**, Sayed-Mirzaei SM, Ahmadi N, Saeedi A, Oghabian Z. **Evaluation of Oxidative Stress in Combination Therapy with D-Penicillamine and N-Acetylcysteine (NAC) in Lead Poisoning in Opium Addicts.** Asia Pac J Med Toxicol, 2017; 6:114-8.

29. Sarhadynejad Z, Pardakhty A, **Mandegary A**, Afsharypuor S, Sharififar F. **Physicochemical Characterization, Standardization and In vitro Determination of Radical Scavenging Activity of Zereskh-e-Saghir, A Traditional Preparation, and Its Ingredients.** J Young Pharm, 2017; 9:224-9.
30. Alishahi M, Malekirad AA, **Mandegary A**, Abdollahi M, Mozaffari A, Ansari M. **A study on oxidative stress, hematological and biochemical parameters in copper smelter workers.** Toxin Rev, 2017; 36:236-41.
31. Boroumand M, Pourgholi L, Goodarzynejad H, Ziaee S, Hajhosseini-Talasaz A, Sotoudeh-Anvari M, **Mandegary A.** **NQO1 C609T Polymorphism is Associated with Coronary Artery Disease in a Gender-Dependent Manner.** Cardiovasc Toxicol, 2017; 17:35-41.
32. Ahmadipour A, Sharififar F, Pournamdari M, **Mandegary A**, Hosseini A, Afrapoli FM, Karami-Mohajeri S. **Hepatoprotective effect of Zataria Multiflora Boiss against malathion-induced oxidative stress in male rats.** Orient Pharm Exp Med, 2016; 16:287-93.
33. Sarhadynejad Z, Sharififar F, Pardakhty A, Nematollahi MH, Sattaie-Mokhtari S, **Mandegary A.** **Pharmacological safety evaluation of a traditional herbal medicine "Zereskh-e-Saghir" and assessment of its hepatoprotective effects on carbon tetrachloride induced hepatic damage in rats.** J Ethnopharmacol, 2016; 190:387-95.
34. Pourgholamhossein F, Sharififar F, Rasooli R, Pourgholi L, Nakhaeipour F, Samareh-Fekri H, Iranpour M, **Mandegary A.** **Thymoquinone effectively alleviates lung fibrosis induced by paraquat herbicide through down-regulation of pro-fibrotic genes and inhibition of oxidative stress.** Environ Toxicol Pharmacol, 2016; 45:340-5.
35. Mohammadi-Sardoo M, Nabiuni M, Amirheidari B, **Mandegary A.** **[Structure and function of blood-testis barrier and its role in damages induced by environmental contaminants].** Iranian Journal of Physiology and Pharmacology (IranJPP), 2016; 1:202-194.
36. Mehrabani M, Seyyedkazemi SM, Nematollahi MH, Jafari E, Mehrabani M, Mehdipour M, Sheikhshoae Z, **Mandegary A.** **Accelerated Burn Wound Closure in Mice with a New Formula Based on Traditional Medicine.** Iran Red Crescent Med J, 2016; 18:e26613.
37. Masoumi-Ardakani Y, **Mandegary A**, Esmaeilpour K, Najafipour H, Sharififar F, Pakravanan M, Ghazvini H. **Chemical Composition, Anticonvulsant Activity, and Toxicity of Essential Oil and Methanolic Extract of Elettaria cardamomum.** Planta Med, 2016; 82:1482-6.
38. **Mandegary A**, Hashemi-Bajgani S-M, Fekri MS, Khedri A, Amirkhosravi A. **Investigation the role of MEPXH1 (His139Arg) polymorphism on number of exacerbations and disease severity in chronic obstructive pulmonary disease in a smoker population.** HIOABJ, 2016; 7:16-22.

39. Dahooee F, Fatemi SJ, **Mandegary A**, Sharififar F. **Iron chelating and antioxidant activities and cytotoxicity effect of the Pistachio (*Pistachio vera* L.) hull and kernel extracts in the A549, HT29 and MCF-7 cancerous cell lines.** International Journal of Clinical Pharmacology & Toxicology (IJCPT), 2016; 5:195-201.
40. Sattaee-Mokhtari S, Dabiri S, Heidari MR, **Mandegary A**. **[Development of arsenic trioxide-induced hepatotoxicity model in mice according to the protocol of acute promyelocytic leukemia (APL) treatment].** Iranian Journal of Physiology and Pharmacology (IranJPP), 2015; 1:112-8.
41. Samareh-Fekri M, Poursalehi HR, **Mandegary A**, Sharififar F, Mahmoudi R, Izadi A, Nematollahi MH, Jamshidi N, Pourgholamhossein F, Lashkarizadeh MR. **[The effect of methanol extract of fennel on bleomycin-induced pulmonary fibrosis in rats].** Journal of Kerman University of Medical Sciences, 2015; 22:470-83.
42. Nejad ZS, **Ali M**, Sharfififar F, Mokhtari S, Iranpour M. **Evaluation of the hepatoprotective effects of rumex acetosella on the carbon tetrachloride-induced hepatotoxicity in rats.** Avicenna J Phytomed, 2015; 5:134-5.
43. Moradi-Afrapoli F, Shaki F, Heidari MR, Seyedmirzaee M, **Mandegary A**. **[Hepatoprotective effect of *Polygonum hyrcanicum* methanolic extract on the carbon tetrachloride induced hepatotoxicity in mice].** Iranian Journal of Physiology and Pharmacology (IranJPP), 2015; 1:43-8.
44. **Mandegary A**, Rahmanian-Koshkaki S, Mohammadifar MA, Pourgholi L, Mehdipour M, Etminan A, Ebadzadeh MR, Fazeli F, Azmandian J. **Investigation of association between donors' and recipients' NADPH oxidase p22(phox) C242T polymorphism and acute rejection, delayed graft function and blood pressure in renal allograft recipients.** Transpl Immunol, 2015; 32:46-50.
45. Azmandian J, Mohamadifar M, Rahmanian-Koshkaki S, Mehdipour M, Nematollahi M-H, Saburi A, **Mandegary A**. **Study of the association between the donors and recipients angiotensin-converting enzyme insertion/deletion gene polymorphism and the acute renal allograft rejection.** J Nephropathol, 2015; 4:62.
46. Alishahi M, Malekirad A, **Mandegary A**, Abdollahi M, Ansari M, Mozaffari A. **A study on oxidative stress, hematological and biochemical parameters in copper smelter workers.** Toxicol Lett, 2015; 2:S92.
47. Alahverdi T, Hashemi SM, Pourgholi L, **Mandegary A**. **Investigation of the role of GSTM1, GSTT1 and GSTM1 polymorphisms in chronic obstructive pulmonary disease in a smoker population.** Indian Journal of Natural Sciences, 2015; 5:7915-21.

48. **Mandegary A, Soodi M, Sharififar F, Ahmadi S. Anticholinesterase, antioxidant, and neuroprotective effects of Tripleurospermum disciforme and Dracocephalum multicaule.** J Ayurveda Integr Med, 2014; 5:162-6.
49. **Mandegary A, Sharififar F, Soodi M, Zarei M. Anticholinesterase effect of soybean extract (Glycine max, L) in the brain of amnestic mice and its protective effects on bta-amyloid induced cytotoxicity in PC-12 cells.** Unique Journal of Ayurvedic and Herbal Medicines (UJAHM), 2014; 02:61-5.
50. **Eftekhari A, Saeedi A, Mandegary A, Ahmadian E, Mohammadi H. TGF 1 codon-10 and codon-25 polymorphisms influence the spirometry parameters in the workers of sweet- and sour-gas refinery plants.** Toxicol Lett, 2014:S94.
51. **Salehinejad P, Alitheen NB, Mandegary A, Nematollahi-Mahani SN, Janzamin E. Effect of EGF and FGF on the expansion properties of human umbilical cord mesenchymal cells.** In Vitro Cell Dev Biol Anim, 2013; 49:515-23.
52. **Mazidi T, Rouini MR, Ghahremani MH, Dashti-Khavidaki S, Lessan-Pezeshki M, Ahmadi FL, Salam-Zadeh J, Mandegary A, Gholami K. Impact of UGT1A9 Polymorphism on Mycophenolic Acid Pharmacokinetic Parameters in Stable Renal Transplant Patients.** Iran J Pharm Res, 2013; 12:547-56.
53. **Mandegary A, Saeedi A, Eftekhari A, Montazeri V, Sharif E. Hepatoprotective effect of silymarin in individuals chronically exposed to hydrogen sulfide; modulating influence of TNF-alpha cytokine genetic polymorphism.** Daru, 2013; 21:28.
54. **Mandegary A, Torshabi M, Seyedabadi M, Amirheidari B, Sharif E, Ghahremani MH. Indomethacin-enhanced anticancer effect of arsenic trioxide in A549 cell line: involvement of apoptosis and phospho-ERK and p38 MAPK pathways.** Biomed Res Int, 2013; 2013:237543.
55. **Mandegary A, Azmandian J, Soleymani S, Pootari M, Habibzadeh SD, Ebadzadeh MR, Dehghani-Firouzabadi MH. Effect of donor tumor necrosis factor-alpha and interleukin-10 genotypes on delayed graft function and acute rejection in kidney transplantation.** Iran J Kidney Dis, 2013; 7:135-41.
56. **Mandegary A, Sharififar F, Abdar M. Anticonvulsant effect of the essential oil and methanolic extracts of Zataria multiflora Boiss.** Cent Nerv Syst Agents Med Chem, 2013; 13:93-7.
57. **Mandegary A, Sezavar M, Saeedi A, Amirheidari B, Naghibi B. Oxidative stress induced in the workers of natural gas refineries, no role for GSTM1 and GSTT1 polymorphisms.** Hum Exp Toxicol, 2012; 31:1271-9.

58. Saeedi A, Manegari A. **The effect of polymorphism in NAD (P) H: quinine oxidoreductase on liver function tests and hematologic parameters in workers exposed to sour gas.** 2012.
59. Mandegary A, Pournamdari M, Sharififar F, Pournourmohammadi S, Fardiar R, Shooli S. **Alkaloid and flavonoid rich fractions of fenugreek seeds (*Trigonella foenum-graecum* L.) with antinociceptive and anti-inflammatory effects.** Food Chem Toxicol, 2012; 50:2503–7.
60. Mandegary A, Arab-Nozari M, Ramiar H, Sharififar F. **Anticonvulsant activity of the essential oil and methanolic extract of *Bunium persicum* (Boiss).** B. Fedtsch. J Ethnopharmacol, 2012; 140:447-51.
61. Mandegary A, Sharififar F, Abdar M, Arab-Nozari M. **Anticonvulsant activity and toxicity of essential oil and methanolic extract of *Zhumeria majdae* Rech, a unique Iranian plant in mice.** Neurochem Res, 2012; 37:2725-30.
62. Azmandian J, Mandegary A, Saber A, Torshabi M, Etminan A, Ebadzadeh MR, Fazeli F, Soleymani S, Taghipour A, Karimi MA. **Chemokine Receptor 2-V64I and Chemokine Receptor 5-Delta32 Polymorphisms and Clinical Risk Factors of Delayed Graft Function and Acute Rejection in Kidney Transplantation.** Iran J Kidney Dis, 2012; 6:56-62.
63. Mandegary A, Rostami S, Alimoghaddam K, Ghavamzadeh A, Ghahremani MH. **Gluthatione-S-transferase T1-null genotype predisposes adults to acute promyelocytic leukemia; a case-control study.** Asian Pac J Cancer Prev, 2011; 12:1279-82.
64. Mandegary A, Mehrabani M. **Effects of arsenic trioxide, all-trans-retinoic acid and dexamethasone on NB4 cell line.** DARU, 2010; 18:303-9.
65. Mandegary A, Hosseini R, Ghaffari SH, Alimoghaddam K, Rostami S, Ghavamzadeh A, Ghahremani MH. **The expression of p38, ERK1 and Bax proteins has increased during the treatment of newly diagnosed acute promyelocytic leukemia with arsenic trioxide.** Ann Oncol, 2010; 21:1884-90.
66. Amini-Shirazi N, Ghahremani MH, Ahmadkhaniha R, Mandegary A, Dadgar A, Abdollahi M, Shadnia S, Pakdaman H, Kebriaeezadeh A. **Influence of CYP2C9 polymorphism on metabolism of valproate and its hepatotoxin metabolite in Iranian patients.** Toxicol Mech Methods, 2010; 20:452-7.
67. Moradi M, Mojtahedzadeh M, Mandegari A, Soltan-Sharifi MS, Najafi A, Khajavi MR, Hajibabaye M, Ghahremani MH. **The role of glutathione-S-transferase polymorphisms on clinical outcome of ALI/ARDS patient treated with N-acetylcysteine.** Respir Med, 2009; 103:434-41.

68. Azami A, Pasbakhsh P, Akbari M, Barbarestani M, Ghahremani MH, Shokrgozar MA, **Mandegary A, Kiani A, Hassanzadeh G. Dual effects of 3, 4-methylenedioxymethamphetamine (ecstasy) on survival and apoptosis of primary hippocampal neurons.** Neural Regen Res, 2009; 4:1068-72.
69. Hosseini R, **Mandegary A**, Alimoghaddam K, Ghavamzadeh A, Ghahremani MH. **Pharmacokinetic of Arsenic Trioxide in newly diagnosed acute promyelocytic leukemia patients.** Journal of Applied Sciences, 2008; 8:4617-23.
70. Ranjbar A, Khorami S, Safarabadi M, Shahmoradi A, Malekiran AA, Vakilian K, **Mandegary A**, Abdollahi M. **Antioxidant activity of Iranian Echium amoenum Fisch & C.A. Mey flower decoction in humans: a cross-sectional before/after clinical trial.** Evid Based Complement Alternat Med, 2006; 3:469-73.
71. Payabvash S, Ghahremani MH, Goliaei A, **Mandegary A**, Shafaroodi H, Amanlou M, Dehpour AR. **Nitric oxide modulates glutathione synthesis during endotoxemia.** Free Radic Biol Med, 2006; 41:1817-28.
72. Abdi K, Vossoghi M, Heidari MR, Kazemi-Zarkuei K, **Mandegary A. Simultaneous and simple determination of four active ingredients of a pesticide formulation using gas chromatography-flame ionization detector.** Pak J Biol Sci, 2006; 9:1411-5.
73. Pajoumand A, Shadnia S, Efricheh H, **Mandegary A**, Hassanian-Moghadam H, Abdollahi M. **A retrospective study of mushroom poisoning in Iran.** Hum Exp Toxicol, 2005; 24:609-13.
74. Nazari A, Delfan B, Shirkhani Y, Kiyanei AA, **Mandegary A. Effect of decoction of Satureja khuzestanica Jamzad on blood coagulation time, triglyceride and glucose levels in rats.** Pak J Biol Sci, 2005; 8:790-2.
75. Heidari MR, Assadipour A, Rashid-farokhi P, Assad H, **Mandegary A. Effect of Rosmarinus officinalis L. extract on the seizure induced by picrotoxin in mice.** Pak J Biol Sci, 2005; 8:1807-11.
76. Abdi K, **Mandegary A**, Amini M, Bagheri M, Gerami-Panah F. **Determination of Residual Methylmethacrylate Monomer in Denture Base Resins by Gas Chromatography.** Iran J Pharm Res, 2005; 4:227-32.
77. **Mandegary A**, Sayyah M, Heidari MR. **Antinociceptive and anti-inflammatory activity of the seed and root extracts of Ferula gummosa Boiss. in mice and rats.** DARU, 2004 12:58-62.
78. Heidari MR, **Mandegary A**, Enayati M. **Antinociceptive effects and toxicity of Fumaria parviflora Lam. In mice and rats.** DARU 2004; 12:136-40.

79. Sayyah M, **Mandgary A. Anticonvulsant effect of Ferula gummosa root extract against experimental seizures.** Iran Biomed J, 2003; 7:139-43.
80. Ahmadiani A, **Mandgary A, Sayyah M. Anticonvulsant effect of flutamide on seizures induced by pentylenetetrazole: involvement of benzodiazepine receptors.** Epilepsia, 2003; 44:629-35.
81. Sayyah M, **Mandgary A, Kamalinejad M. Evaluation of the anticonvulsant activity of the seed acetone extract of Ferula gummosa Boiss. against seizures induced by pentylenetetrazole and electroconvulsive shock in mice.** J Ethnopharmacol, 2002; 82:105-9.