

Curriculum Vitae

Hassan Malekinejad

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❖ Personal details:

- **Name:** Hassan Malekinejad
- **Nationality:** Iranian
- **Date of birth:** August 23, 1967
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❖ Address:

- Department of Pharmacology & Toxicology, School of Pharmacy, Urmia University of Medical Sciences, Urmia, IRAN

❖ Research field:

My interested areas of research are:

❖ A- Mycotoxins

- Mycoestrogens (those mycotoxins which affect the reproductive system in humans and animals),
- Feed and food analysis,
- Isolation, Identification of molds and study of mycotoxins toxicity,
- Study of approaches, which result in the prevention or control of the mycotoxins production in food and feedstuffs (running project of OTA in raisin);
- Therapeutic effects of mycotoxins in human and domestic animals (cell culture model);
- Biotransformation of mycotoxins;
- Study of transcriptional pathways of Mycotoxin's effects in *in vitro* and *in vivo* models;

❖ B- Food safety and Risk Assessment:

- Food safety and in particular risk assessment in field of steroidal hormones level in food stuffs;
- A controversial project of "Steroid hormones in dairy foods and their relationship with prostate, breast and uterine cancers" has already initiated.

- a. Detection of steroids and their major metabolites by means of LC-MS/MS, which will be followed by investigation of absorption and biotransformation of detected steroid hormones by CaCo2 cells and hepatic sub-cellular fractions.
 - b. Finally this project will pursue to consider the potential carcinogenesis of detected steroids and their metabolites on human breast and prostate cancer cells and mechanism of carcinogenesis.
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- ❖ **C – Drug and Xenobiotic biotransformation (Hepatic and extra-hepatic biotransformation);**
 - ❖ **D- Drug and Xenobiotics transport via biological membrane with high focus on mycotoxins and NSAIDs transport via ATP-dependent efflux transporters;**
 - ❖ **E- Experimentally-induced infectious diseases such as Pyelonephritis and its therapeutic approaches;**
 - ❖ **F- Herbal Medicine & Natural products, Functional foods and Public Health**
 - Antioxidant capacity of plants;
 - Analgesic properties of plants;
 - Estrogenic effects of plants;
 - Anti-diabetic properties of the plants.
 - Production and introduction of new functional beverages
 - ❖ **G- Hypoxia/Re-oxygenation;**
 - ❖ **H- Drugs and Xenobiotic-induced gastrointestinal disorders (Cellular and molecular mechanisms) and therapeutic approaches (Mycophenolate Mofetil-induced GUT disorders and therapeutic approaches is running).**
 - ❖ **I- Gene expression and regulation**
 - ❖ **J- Diabetes and its complications**
 - ❖ **K- Pesticides (herbicides and their effects on public health)**
 - ❖ **L- Osteoarthritis and Rheumatoid arthritis**
 - ❖ **M- Regenerative Medicine: Stem cells and their therapeutics potentials, wound healing**
 - ❖ **N- New non-dairy & non-alcoholic Beverage**
 - ❖ **O- Anticancer agents (cannabinoids, HSP90 inhibitors, Androgen receptor Antagonists)**
 - ❖ **P- Non-alcoholic Fatty Liver Disease + Polycystic Ovarian Syndrome**
 - ❖ **Q- Wound healing and Skin burning *in vitro* and *in vivo* models**

❖ Scientific skills:

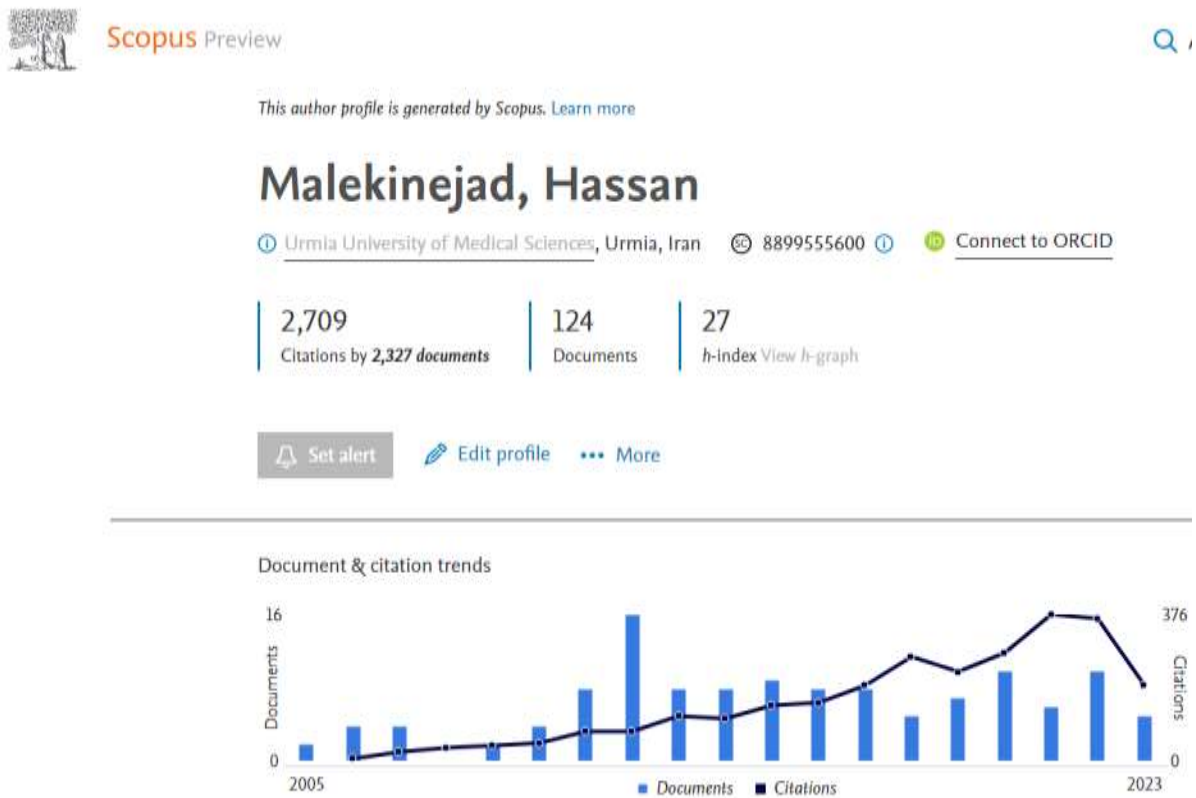
- Fungal isolation from feed and food samples;
- Toxin extraction by various methods;
- HPLC analysis;
- Cell culture methods;
- *In vitro* oocyte maturation (IVM) and toxicity assays in this field
- *In vitro* cytotoxicity bioassay tests (MTT, AB, NR, ATP content, ROS measurement);
- Apoptotic assays (ROS, Caspase activities, DNA laddering, Cytochrome C measurement)
- Assessment of hormones activities and their catalytical enzyme profiles;
- Inhibition studies;
- Hepatic and extra-hepatic biotransformation methods for drugs and xenobiotics;
- Confocal microscopy studies & Fluorescence microscopy studies;
- Histochemistry methods for enzyme expression;
- Working with Laboratory animals;
- LC-MS/MS and GC-MS;
- PCR (RT-PCR, QPCR),
- Drug and xenobiotic transport studies;
- Hypoxia and re-oxygenation studies;
- Oxidative and nitrosative stress (TAC, Lipid Peroxidation, Total thiol molecules, NO) assays;
- *Ex-vivo* studies in power Lab. system;
- Analgesimetry (Tail flick, Hot plate, and formalin tests);
- Smart drug delivery;
- Wound healing assay (*In vivo* & *In vitro*);
- Burning tests (*In vivo* & *in vitro*);
- Aging studies (In vivo and in vitro models)

❖ Education&Research

- July 1987-1992: Urmia (Orumiyeh) University, Urmia, Iran, Doctor of Veterinary Medicine (**D.V.M.**);
- September 1992- August 2000: **Instructor** in Department of pharmacology, Basic Sciences Group of Urmia Vet. Faculty (Pharmacology & Toxicology Department);
- 10th August of 2000- 17th December of 2004: **Ph.D.**in Pharmacology & Toxicology, Utrecht University;

- February 2005 till November 2005, **Postdoc(I)** researcher at the Department of **Public Health & Food Safety**, IRAS, Utrecht University, The Netherlands, working on dairy products mainly cow milk steroid hormones levels at different periods of pregnancy and influence of fat percentage on hormone content in processed milk (**Public Health**);
- November 2005 till January 2007, **Postdoc(II)** researcher at the Department of Pharmacology, Pharmacy, & Toxicology, Utrecht University, working on drugs and xenobiotic transport using *in vitro* cell lines model (**Molecular Pharmacology**),

❖ The latest h-index and research metrics



A- List of Publications:

A-1) Full papers:

1. **Malekinejad H**, Maas-Bakker RF, and Fink-Gremmels J., (2005). Enzymatic Kinetics of Zearalenone biotransformation: effects of pH and co-factors. Archives of Toxicology, 79 (10): 547-553.

۲. **Malekinejad H**, Maas-Bakker RF, and Fink-Gremmels J., (۲۰۰۵). Bioactivation of Zearalenone by porcine hepatic biotransformation. *Veterinary Research*, 36, 799-810.
۳. **Malekinejad H**, Maas-Bakker RF, and Fink-Gremmels J., (2006). Hydroxysteroid dehydrogenase in bovine and porcine granulosa cells convert Zearalenone into its hydroxylated metabolites of α -zearalenol and β -zearalenol. *Veterinary Research Communication*, 30(4): 445-453.
۴. **Malekinejad H**, Maas-Bakker RF, and Fink-Gremmels J., 2006. Species differences in the hepatic biotransformation of Zearalenone. *Vet J*, 172 (1) 96-۱۰۲.
۵. **Malekinejad H**, Van Tol HTA, Colenbrander B, and Fink-Gremmels, J., Expression of 3α - and 3β -hydroxysteroid dehydrogenase mRNA in COCs and granulosa cells determines Zearalenone biotransformation. *Toxicology in Vitro*, 20 (2006), 458-463.
۶. Maleki Hadi and **Malekinejad Hassan**, 2007. Phenoxybenzamine Treatment is insufficient to prevent the Stress-induced Effect in Rat Gastrointestinal Tract. *International Journal of Pharmacology*, 2(6): 663-665.
۷. **Malekinejad H.**, Peter Scherpenisse and Aldert A. Bergwerff., 2006. Naturally occurring estrogens in processed milk and in raw milk (from gestated cows)., *Journal of Agriculture and Food Chemistry*, 54(26); 9785-9791;
۸. Sabater-Vilar, M., **Malekinejad, H.**, Selman M.H.J, van der Doelen M.A.M., J. Fink-Gremmels. ۲۰۰۷. *In vitro* assessment of adsorbents aiming to prevent deoxynivalenol and zearalenonemycotoxicoses. *Mycopathologia*, 163:81-90.
۹. **Malekinejad H.**, Schoevers EJ., Colenbrander B, Fink-Gremmels J., and Roelen BAJ., 2007. The Fusarium Toxins Zearalenone and Deoxynivalenol Cause Spindale Malformation in Porcine Oocytes. *Biology of Reproduction (BOR)*, 77:840-847.
۱۰. Fink-Gremmels, J and **Malekinejad, H.**, 2007. Biochemical mechanisms and clinical effects associated with exposure to the mycoestrogen Zearalenone. *Animal Feed Science and Technology*. 137:326-341.
۱۱. **Malekinejad H**, Farshid AA, and Mirzakhani N., 2011. The liquorice Plant Extract reduces Ochratoxin A-induced nephrotoxicity in rat. *Experimental and Toxicologic Pathology*, 63: 125-130.
۱۲. **Malekinejad H**, Rahmani F, and Hassanpour F., 2010, Influences of sub-acute exposure to paraquat on cytochrome P450 3A2 expression in rat liver and lungs. *Pesticide Biochemistry and Physiology*, 96(3): ۱۴۹-۱۵۴

۱۳. **Malekinejad H.**, Mirzakhani, Navideh, Razi Mazdak, Cheraghi Hadi, Alizadeh, Arash, Dardmeh Fereshteh. 2011. Protective effects of Melatonin and Glycyrrhizaglabra extract on Ochratoxin A-induced damages on testes in mature rats. *Human & Experimental Toxicology*, 30(2): 110-123.
۱۴. **Malekinejad H**, Rahmani F, and Bahrapour K., 2010. Zearalenone is bioactivated by the river Buffalo (*Bubalus bubalis*) hepatic biotransformation. *Tropical Animal Health and production*, 42: 1229-1234.
۱۵. **Malekinejad H**, Tukmechi A. Ebrahimi H. Bazargani-Gilani B. 2010. One step forward to improve the latest method of antibacterial susceptibility testing of vitro-cultured bacteria: an implication for antibacterial efficacy of Enrofloxacin on *Aeromonas hydrophila*. *World J Microbiol Biotechnol*. *World J. Microbiol. Biotechnol*, 27, 147-151. DOI 10.1007/s11274-010-0440-5.
۱۶. **Malekinejad H**, Taheri-Brodjerdi M, Moradi M, Tabatabaie S-H. 2011. Silymarin potentiates the antinociceptive effect of morphine in mice. *Phytotherapy Research*, 25: 250-255.
۱۷. Tajik H, **Malekinejad H**, Razavi-Rouhani SM, Pajouhi MR, Mahmoudi R, Haghazari A. 2010. Chloramphenicol residues in chicken liver, kidney and muscle: A comparison among the antibacterial residues. *Food and Chemical Toxicology*. *Food and Chemical Toxicology*, 48:2464-2468.
۱۸. **Malekinejad H**, Hadi Cheraghi, Arash Alizadeh, saeed Meshkini and Fereshteh Dardmeh. 2010. The protective effect of LPE on CCL4-induced hepatotoxicity in common carp (*Cyprinus carpio*). *Veterinary Research Forum*, 1:158-164.
۱۹. Razi M. **Malekinejad H**. Najafi G R. Najafpour AR. Delkhosh F. Sheykhzadeh S. Godrati S. 2010. Study of the Mast Cells Distribution and Heterogeneity in Experimentally Induced Cystic Ovaries in Rats. *Intern J Appl Res Vet Med*. Vol. 8(2): 124-132.
۲۰. **Malekinejad H**, Cheraghi H, Alizadeh A, Khadem-Ansari MH, Tehrani AA, Varasteh S. 2011. Nitric oxide and acute phase proteins are involved in pathogenesis of Mycophenolate Mofetil-induced gastrointestinal disorders in rat. *Transplantation Proceedings*; 43(7): 2741-2746.
۲۱. **Malekinejad H**, Akbari P, Allymehr M, Hobbenaghi R, Rezaie A. 2011. Cyclopiazonic acid augments the hepatic and renal oxidative stress in broiler chicks. *Human and Experimental Toxicology*. 30(8): 910-919. DOI:10.1177/09603271110384285
۲۲. **Malekinejad H**, Hamidi M, Sadrkhanloo RA, Ahmadi A. 2011. The Effect of Tamoxifen on the Fetal and Neonatal Ovarian Follicles Development in Rats. *Iranian Journal of Basic Medical Sciences* 14 (3): 240-248.

۲۳. Razi M, Sadrkhanlou RA, **Malekinejad H**, Sarrafzade-Rezaie F. 2011. The Varicocele time-dependently affects the DNA integrity of sperm cells: evidence for lower in vitro fertilization rate in varicocele-positive rats. *International Journal of Fertility and sterility*. 5 (3): 105-1۱۶.
۲۴. Razi M, **Malekinejad H**, Sadrkhanlou RA, Sarrafzade-Rezaie F. 2011. Histological Impact of Long Time Varicocele-induction on Right and Left Testes in Rat; Relationship with Sperm Parameters and mating abilities. *Veterinary Research Forum*, 2(3): 189-201.
۲۵. Razi M, Sadrkhanlou RA, **Malekinejad H**, Sarrafzade-Rezaie F. 2012. Testicular biohistochemical alterations following experimental varicocele in rats. *Iranian journal of Reproductive Medicine*, 10(3): 209-218.
۲۶. **Malekinejad H**, Bull S, Rahmani F, Fink-Gremmels J. 2012. Cytotoxic effects of serum from equine grass sickness (EGS) cases on neuro-2a and PC12 tet off cell lines: Implication for using in vitro methods as antmortum diagnosis tools, *Journal of Equine veterinary Science*, 32: 53-59. DOI: ۱۰.۱۰۱۶/g.gevs.۲۰۱۱.۰۸.۰۰۷
۲۷. Akbari P, **Malekinejad H**, Rahmani F, Rezabakhsh A, Fink-Gremmels J. 2011. Cyclopiazonic acid attenuates the divalent cations and augments the mRNA level of iNOS in the liver and kidneys of chickens. *World Mycotoxin Journal*. ۵(۲): ۱۵۳-۱۶۱.
۲۸. **Malekinejad H**, Rahmani F, Valivand-Azar S, Taheri-Broujerdi M, Bazargani-Gilani B. 2011. Long term administration of Silymarin augments pro-inflammatory mediators in the hippocampus of rats: evidence for antioxidant and pro-oxidant effects. *Human & Experimental Toxicology*, 31 (9): 921-930.
۲۹. **Malekinejad H**, Agh N, Vahabzadeh Z, Varasteh S, Alavi M-H. 2012. In vitro reduction of Zearalenone to β -Zearalenol by Rainbow trout (*Oncorhynchus mykiss*) hepatic microsomal and post-mitochondrial subfractions. *Iranian Journal of Veterinary Research*. 13(1): 28-3۵.
۳۰. **Malekinejad H**, Nikibakhsh A, Gholizadeh-Soltani S, Farshid AA. 2012. Interaction between gentamicin and mycophenolatemofetil in experimentally induced pyelonephritis. *Indian Journal of Nephrology*. 22(1): 26-3۲.
۳۱. ShalizarJalali A., Hassanzadeh A, **Malekinejad H**. 2011. Chemoprotective effect of *Crataegus monogyna* aqueous extract against cyclophosphamide-induced reproductive toxicity. *Veterinary Research Forum*, 2(4): 266-2۷۳.
۳۲. Moradi M., Tajik H, Razavie-Ruhani SM, Oromchiie Ar, **Malekinejad H**, Aliakbarlou J, Hadian M. 2012. Characterization of antioxidant chitosan film

- incorporated with *Zataria multiflora* Boiss essential oil and grape seed extract. *Food Science and Technology*. 46: 477-484.
۳۳. Shalizar-Jalali A, Hasanzadeh S, **Malekinejad H**. 2012. *Crataegus monogyna* aqueous extract ameliorates cyclophosphamide-induced toxicity in rat testis: stereological evidences. *Acta Med Iran*. 2012 Jan; 50(1):1-8.
۳۴. Shalizar -Jalali A, Hasanzadeh S, **Malekinejad H**. 2012. *Achillea millefolium* inflorescence aqueous extract ameliorates cyclophosphamide-induced toxicity in rat testis: stereological evidences. *Chinese Journal of Natural Medicines* ۱۰(۴): ۰۲۴۷_۰۲۵۴.
۳۵. **Malekinejad H**, Rezabakhsh A, Rahmani F, Hobbenaghi R. 2012. Silymarin regulates the cytochrome P450 3A2 and glutathione peroxides in the liver of streptozotocin-induced diabetic rats. *Phytomedicine*, 19:583-590.
۳۶. **Malekinejad H**, Taheri-brujerdi M, Janbaz-Acyabar H, Amniattalab A. 2012, Silymarin regulates the HIF-1 α and iNOS expression in the Brain and Gills of the hypoxic reoxygenated rainbow trout (*Oncorhynchus mykiss*). *Aquatic Biology*, 15: 261-273.
۳۷. SajadFeyzi-Dehkhargani, **Hassan Malekinejad**, Rasool Shahrooz, Rajab Ali Sadrkhanloo. 2011. Detrimental Effect of Atrazine on Testicular Tissue and Sperm quality: Implication for Oxidative stress and Hormonal Alterations. *Iranian Journal of Toxicology*, 5(1, 2): 426-4۳۰.
۳۸. Sajad Feyzi-Dehkhargani, Rasool Shahrooz, **Hassan Malekinejad**, Rajab Ali Sarkhanloo. 2012. Atrazine in sub-acute exposure results in sperm DNA disintegrity and nuclear immaturity in rats. *Veterinary Research Forum*. 2012; 3 (1) 19 – 26.
۳۹. **Malekinejad H**, Janbaz-Acyabar H, Razi M, Varasteh S. 2012. Preventive and protective effects of Silymarin on Doxorubicin-induced testicular damages correlate with changes in c-myc gene expression. *Phytomedicine*. 19: 1077-۱۰۸۴.
۴۰. Z. Ashkavand, **H. Malekinejad**, A. Amniattalab, A. Rezaei-Golmisheh, B.S. Vishwanat. 2012. Silymarin synergistically potentiates the anti-inflammatory effects of Celecoxib on chemically-induced osteoarthritis in rats. *Phytomedicine*. 19:1200-1205.
۴۱. **Malekinejad H**, Bazargani-Gilani, Tukmechi A, Ebrahimi H. 2012. A cytotoxicity and comparative antibacterial study on the effect of *Zataria multiflora* Boiss, *Trachyspermum copticum* essential oils, and Enrofloxacin on *Aeromonashydrophila*. *Avicenna Journal of Phytomedicine*. 2012; 2(4): 188-۱۹۰.

٤٢. Esmaeilnejad B, Tavassoli M, Asri-Rezaei S, Dalir-Naghadeh B, and **Malekinejad H**. 2012. Status of lipid peroxidation and antioxidant enzymes in goats naturally infected with *Babesia ovis*. *Acta Parasitologica*, 2012, ٥٧(٣):٢٢٨-٢٣٤.
٤٣. Kaveh Akhtari, MazdakRazi, **Hassan Malekinejad**. 2012. Uterine Artery Interruption: Evidence for Follicular Growth and Histochemical and Biochemical Changes. *J Reprod Infertil*; 13(4):193-203.
٤٤. **Malekinejad H**, Fani M, Hasani-Dizaji S, Shafie-Irannejad V, Fink-Gremmels J. 2013. *Aspergillus fumigatus* toxins cause cytotoxic and apoptotic effects on human T lymphocytes (Jurkat cells). *World Mycotoxin Journal*.6 (1): 65-7١.
٤٥. Moradi A-R, **Malekinejad H**, Farokhi-Ardabili F, Bernousi I. 2013. Royal Jelly improves the sperm parameters of ram semen during liquid storage and serves as an antioxidant source. *Small Ruminant Research* 113: 346-3٥٢.
٤٦. Ashkavand Z, **Malekinejad H**, BS Washwanat. 2013. The pathophysiology of Osteoarthritis. *Journal of Pharmacy Research*, 7: 132-1٣٦.
٤٧. Shalizar-Jalali A, Hasanzadeh S, **Malekinejad H**. 2013. Beneficial effects of *Achillea millefolium* aqueous extract against cyclophosphamide-induced reproductive toxicity. *J ExpIntegr Med* 2013; 3(2):113-1١٩.
٤٨. Sheikhzadeh S, **Malekinejad H**, Hobbeneghi R. 2013. Mycophenolate mofetil alters the antioxidant status in the duodenum of rats: implication for Silymarin usage in Mycophenolate mofetil-induced gastrointestinal disorders. *Veterinary Research Forum*, 4(2): 77-83.
٤٩. **Malekinejad H**, Rezabakhsh A, Rahmani F, Razi M. 2013. Paraquat induced COX-II in the lungs. *Iranian Journal of Pharmaceutical Research*, 12(4): 887-٨٩٦.
٥٠. Moshtaghion S-M, **Malekinejad H**, Razi M, Shafie-Irannejad V. 2٠١٣. Silymarin Protects from Varicocele-induced damages in Testis and improves Sperm quality: Evidence for E2f1 involvement. *System Biology and Reproductive Medicine* .٥٩(٥):٢٧٠-٨٠.
٥١. **Malekinejad H**, Shafie-Irannejad V, Hobbenaghi R, Tabatabaie S-H, Moshtaghion S-M. 2013. Comparative protective effect of Hawthorn berry hydroalcoholic extract, Atorvastatin and Mesalamine on experimentally-induced colitis in rats. *Journal of Medicinal Food*. ١٦(٧):٥٩٣-٦٠١.
٥٢. **Malekinejad H**, Moradi M, Fink-Gremmels J. 2014. Cytochrome C and Caspase-3/7 are involved in Mycophenolic acid-induced apoptosis in genetically engineered PC12 neuronal cells expressing the p53 gene. *Iranian Journal of Pharmaceutical Research*, 13(1): 191-198.

۵۳. Fatemeh Delkhosh-Kasmaie, **Hassan Malekinejad**, Mona Khoramjouy, Ali Rezaei-Golmisheh, Hamed Janbaz-Acyabar. 2014. Royal Jelly protects from Taxol-induced testicular damages via up-regulation of E2f1. *Systems Biology in Reproductive Medicine*, 60(2): 80–88.
۵۴. **Malekinejad H.**, Sheikhzadeh S., Hobbenaghi R., 2014. Silymarin attenuates the Mycophenolate Mofetil-induced gastrointestinal disorders in rats. *Avicenna Journal of Phytomedicine*, 4(3): 170-181.
۵۵. **Malekinejad H.**, Mehrabi M, Khoramjouy M, Rezaei-Golmisheh A., 2013. Antifibrotic effect of Atorvastatin on Paraquat-induced pulmonary fibrosis: Role of PPAR γ receptors. *European Journal of Pharmacology*. 720: 294-3۰۲.
۵۶. **Malekinejad H.** 2013. Zearalenone is converted to a potent estrogenic metabolite by the equine hepatic subcellular fractions and hepatocytes. *Bulgarian Journal of Veterinary medicine*, 16 (4): 260-2۷۰.
۵۷. Mazdak Razi 1, **Malekinejad H**, Reza Sayrafi, Mohammad Reza Hosseinchi, Sajad Feyzi, Seyed Mehdi Moshtagion, Hamed Janbaz. 2013. Adverse effects of long-time exposure to formaldehyde vapor on testicular tissue and sperm parameters in rats. *Veterinary Research Forum*, 4 (4) 213 – 219.
۵۸. **Malekinejad H**, Shirin Rokhsartalab-Azar, Sepideh Hassani-Dizaj, Shahin Alizadeh-Fanalou, Aysa Rezaabakhsh, Amir Amniattalab. 20۱۴. Effects of silymarin on the pharmacokinetics of atorvastatin in diabetic rats. *Eur J Drug Metab & Pharmacokinet*. 39:311–320. DOI 10.1007/s13318-0۱۳-۰۱۶۶-۵.
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۶۰. Morteza Molavi, Mazdak Razi, **Hassan Malekinejad**, Amir Amniattalab, Hamed Rezaie. 2014. Vitamin E improved cypermethrin-induced damages in the ovary of rats; evidence for angiogenesis and p53 involvement. *Pesticide Biochemistry and Physiology*, 110: 27–35.
۶۱. Amir Rahimi-Rad, **Hassan Malekinejad**, Araz Ostadi, Samal Yeganeh, Samira Fahimi. 2014. Aflatoxin M₁ concentration in various dairy products: Evidence for biologically reduced amount of AFM₁ in yoghurt. *Iranian Journal of Public Health*. 43(8): 1139-1144.
۶۲. Kalantari-Hesari, A. Shahrooz, R. Ahmadi, A. and **Malekinejad, H.** 2014. Evaluation of sperm quality in phenylhydrazine-induced hemolytic anemia

impacts on mice and protective role of crocin. Iranian Veterinary Journal, 10(1): ۷۷-۸۴.

۶۳. **Malekinejad H**, Khormajouy M, Hobbenaghi R, Amniattalab A. 2014. Atorvastatin attenuates the paraquat-induced pulmonary inflammation via PPAR γ receptors: A new indication for atorvastatin. Pesticide Biochemistry and Physiology, 114: 79-89.
۶۴. Z. Ashkavand, **H. Malekinejad**, B.S. Vishwanath. 2014. Combined action of Silymarin and Celecoxib in modulating inflammatory mediators in osteoarthritis. Biomedicine & Preventive Nutrition 4: 485–490.
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۶۷. **Malekinejad H** and Rezabakhsh A. 2015. Hormones in dairy foods and their impact on public health. Iranian Journal of Public Health, 44(6): 742-7۵۸.
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۶۹. Rezaei-Golmishah A., **Malekinejad H.**, Asri-Rezaie S, Farshid A.A., Akbari P. ۲۰۱۵. Hawthorn Ethanolic extracts with triterpenoids and flavonoids exert hepato-protective effects and suppress the hypercholesterolemia-induced oxidative stress in rats. IJBMS, 18(7): 691-699.
۷۰. Leila Zarei, Rajabali Sadrkhanlou, RasoulShahrooz, **Hassan Malekinejad**, Abbas Ahmadi. 2015. Protective effects of *cornus mas* extract on *in vitro* fertilization potential in methotrexate treated male mice. Veterinary Research Forum, 6(1): 55-61.
۷۱. Razi M and **Malekinejad H**. 2015. Varicocele-induced infertility in animal models. International journal of Infertility & Sterility, 9(2): 141-۱۴۹.

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A-3) Manuscript under preparation;

- Anti-cancer effects of naturally occurring bacterial metabolites on CML
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A-5) Edited Book

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- Sepideh Hassani, Fatemeh Kheradmand, **Hassan Malekinejad**, Mohammad Hassan Khadem Ansari, Ata Abbasi, Shima Zeynali Moghaddam. Ameliorative effect of silymarin on oxidative and histopathological changes in 1, 2 dimethylhydrazine-induced mice colon cancer. 17th national congress of Biochemistry & 23-26 August, 2022, Tehran, IRAN.
- Sepideh Hassani, **Hassan Malekinejad**, Fatemeh Kheradmand, Ata Abbasi, Mohammad Hassan Khadem Ansari. Hepatoprotective effect of Silymarin against 1, 2-Dimethylhydrazine-induced carcinogenic hepatic damage in mice. 17th national congress of Biochemistry & 23-26 August, 2022, Tehran, IRAN.
- Faezeh Malekinejad*, Kheradmand Fatemeh, **Hassan Malekinejad**. Experimentally-induced polycystic ovarian syndrome elevated inflammatory cytokine release and expression of TLR-2 and TLR-4. 14th International congress of Medical lab. And Clinic, Feb 2-4, 2023. Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Shima Zeynali-Mogaddam, Fatemeh Hashtarkhani, Fatemeh Jafari, Hamid Soraya, **Hassan Malekinejad***. Laboratory findings lead to accurate clinical diagnosis of Aluminum phosphide intoxication: preclinical results. 14th International congress of Medical lab. And Clinic, Feb 2-4, 2023. Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- **Hassan Malekinejad***, Shima Zeynali-Mogaddam, Faezeh Malekinejad. Is there a common laboratory biomarker between two clinically metabolic syndromes of NAFLD & PCOS? 14th International congress of Medical lab. And Clinic, Feb 2-4, 2023. Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- **Hassan Malekinejad ***, Role of biomarkers in toxicology studies: Better tools for better Prevention, Diagnosis and treatment. **Keynote Speaker**, 1st International congress of Biomarkers. Urmia University of Medical Sciences, 12-14 Oct. 2022 Urmia, Iran.
- **Hassan Malekinejad***. Metabolic disorders and herbal-derived nutraceuticals. **Keynote speaker**, 10th national congress of medicinal plants, July 2023, Urmia, Iran

❖ Awards:

- I got the prize for the first top paper in 17th Iranian national food industry congress, November ۲۰۰۷, **Urmia, Iran.**
- My paper has been selected as the excellent paper in the 1st International Congress of Veterinary Pharmacology & Pharmaceutical Science, 2-4 October, 2008, Tehran, Iran.
- The prize of the 11th Iranian Society of Toxicology congress was devoted to my paper, which was about the Role of ATP binding efflux transporters, 2008, Tehran, Iran.
- The title of **top researcher** in Urmia University was awarded to me on academic year of 2010.
- Top research prize of 13th national Toxicology congress (Sari, 2013) was awarded to our paper.
- The title of **top researcher** in Urmia University was awarded to me on academic year of **2013.**
- The title of **top researcher** in Urmia University was awarded to me on academic year of **2014.**
- The **top researcher** title in West Azerbaijan was awarded to me on academic year of **2017** (among 372 academic member of Urmia University of Medical Sciences).
- The top researcher title of the school of Pharmacy (UMSU) was awarded to me on academic year of **2022.**
- The title and award of the best oral presenter in the first International congress of Biomarkers was awarded to me on **2023.**

❖ Teaching Experience:

- Besides the research activities, teaching of Pharmacology and Toxicology subjects are part of my job. Those groups which are in my teaching program include:
 - Undergraduate Veterinary Medicine students (DVM);
 - Food hygiene PhD students (Urmia University);
 - Veterinary physiology DVSc. students (Urmia University);
 - Veterinary Toxicology PhD students (Tehran University);
 - General Toxicology for Pharmacy student (Urmia University of Medical Sciences);
 - Control of Poisoning for Pharmacy students (Urmia University of Medical Sciences);
 - Basic Pharmacology for Medical and pharmacy students (Urmia University of Medical Sciences);
 - Drug and Poisons Information (DPIC), Pharmacy Students;
 - ABC in Toxicology, Pharmacy Students;
 - Principles of Toxicology, Toxicology & Poisoning Postdocs (Fellowship), UMSU, Urmia, Iran.

❖ Executive Responsibilities:

- Vice-dean for financial affairs of Vet. Medicine Faculty of Urmia University, from 1993 to ۱۹۹۵.
- General Director of cultural fairs of Urmia University, from 1995 to 1998.
- General Director of the basic sciences group from 15th December 2008.
- Scientific director of 9th Congress of Iranian Veterinary Medicine Students, Urmia, Iran, June, ۲۰۱۴.
- Vice-Chancellor of Urmia University of Medical Sciences for Food & Drug organization (FDO) from 1st of March 2015 till March of 2018.
- Scientific Secretary of 13th International Congress of Toxicology, May 12-14, ۲۰۱۵, Urmia, Iran.
- Director of Food and Beverages Safety Research Center, Urmia University of Medical Sciences, Urmia, Iran (January 2016 till January 2020).
- Director of Experimental & Applied Pharmaceutical Research Centre, Urmia University of Medical Sciences, Urmia, Iran. (2020- till now).
- Dean of Pharmacy School, Urmia University of Medical Sciences; (March 2018 till now);

❖ Experiences & International activity:

- Pharmacokinetic-pharmacodynamics workshop, 1-7th of July of ۲۰۰۳, Lisbon, Portugal. Organized by European College of Veterinary Pharmacology & Toxicology (ECVPT).
- International mycotoxin workshop, 13-14th of June of ۲۰۰۵, Dortmund, Germany.
- ۱۰th International Congress of European Association for Veterinary Pharmacology and Toxicology (EAVPT), September 17th-22nd, 2006, Torino, Italy.
- ۲۹th Mycotoxin workshop, ۱۴-۱۶th May, ۲۰۰۷, Fellbach, Germany.
- XIIth International IUPAC Symposium on Mycotoxins and Phycotoxins, 2007, 21-24th May, Istanbul, Turkey.
- ۳۰th Mycotoxins workshop, ۲۸-۳۰th May, ۲۰۰۸, Utrecht, The Netherlands.
- The 2nd Ehrlich magic bullet congress, 3-5 October, ۲۰۰۸, Nuremberg, Germany.
- **Editor in Chief** for "International journal for Pharmacology Research" from Medwell Seri of journals, since 2009 update;
- **Editorial member of** Bulgarian journal of Veterinary Medicine;
- **Editorial member of** Veterinary Research Forum;
- **Editorial member of** Spatula DD - Peer Reviewed Journal on Complementary Medicine and Drug discovery,
- **Editorial Member of** Iranian Journal of Physiology & Pharmacology
- **Reviewer** for International journals such as:
 - ۱) Andrologia,
 - ۲) Thriogenology,
 - ۳) International Journal of Molecular Sciences,
 - ۴) Journal of Basic and clinical Physiology & Pharmacology,
 - ۵) Food and Chemical Toxicology,
 - ۶) Veterinary Research Communication,

- ۷) Reproductive Toxicology,
- ۸) Toxicology Letters,
- ۹) World Mycotoxin Journal,
- ۱۰) Human and Experimental Toxicology,
- ۱۱) Natural Products Research,
- ۱۲) Veterinary Research Forum,
- ۱۳) Journal of Veterinary Pharmacology & Therapeutics,
- ۱۴) Journal of Cellular Biology,
- ۱۵) Iranian Journal of Pharmaceutical Research,
- ۱۶) Bulgarian Journal of Veterinary Medicine,
- ۱۷) Journal of Medicinal Foods,
- ۱۸) Systems Biology in Reproductive Medicine,
- ۱۹) Food research International,
- ۲۰) Journal of Animal Science,
- ۲۱) Indian Journal of Pharmaceutical Sciences,
- ۲۲) Natural Product Research,
- ۲۳) Phytotherapy Research,
- ۲۴) Oriental Pharmacy and Experimental Medicine,
- ۲۵) Toxins,
- ۲۶) DARU journal of Pharmaceutical sciences,
- ۲۷) Journal of Biomedicine and Pharmacotherapy ,
- ۲۸) Journal of Integrative Medicine,
- ۲۹) Brazilian Journal of Pharmaceutical Sciences,
- ۳۰) Iranian Journal of Basic Medical Sciences,
- ۳۱) Research in Pharmaceutical Sciences;
- ۳۲) Journal of Pharmacy & Pharmacology;
- ۳۳) Journal of Biotechnology & Immunohistochemistry;
- ۳۴) Drug and chemical Toxicology;
- ۳۵) Natural products communication;
- ۳۶) Environmental Toxicology & Pharmacology.

- Short scientific fellowship, summer of **2009, Utrecht, The Netherlands**.
- Summer Course of **2012, Utrecht, the Netherlands**: working on the possible role of Glycyrrhetic acid and its metabolites on integrity of CaCo-۲ cells as accepted model for human intestinal barrier”:
- **Keynote Speaker**:
 - ♣ ۱st national congress of VETTOX, September ۲۰۱۴, Tehran, Iran;
 - ♣ ۲nd Veterinary Basic Sciences Congress, October ۲۰۱۴, Shiraz, Iran;
 - ♣ ۱۰th International Congress of the Turkish Society of Toxicology. October ۱۶-۱۹, ۲۰۱۹, Antalya, Turkey.
 - ♣ ۱۵th national congress of Toxicology, November ۲۰۱۹, Tehran, Iran.
 - ♣ Role of biomarkers in toxicology studies: Better tools for better Prevention, Diagnosis and treatment. **Keynote Speaker**, 1st International congress of Biomarkers. Urmia University of Medical Sciences, 12-14 Oct. **2022** Urmia, Iran.
 - ♣ Phthalates toxicity, Multisource and multi-target Compounds,

- **Scientific Secretary** of 13th International Congress of Toxicology, May 12-14, ۲۰۱۵, Urmia, Iran.
- **Member of Scientific Committee** of 19th Iranian Veterinary Congress; May- 2016, Tehran, Iran.
- **Member of Scientific Committee** of International Neurosurgery Congress, 15-1۷ November, ۲۰۱۷, Urmia, Iran;
- **Board member of Toxicology** in Ministry of Health, treatment and Medical education, April, ۲۰۱۹.
- **Member of Scientific Committee** of 15th national congress of Toxicology, November ۲۰۱۹, Tehran, Iran.
- **Member of Scientific Committee** of 1st national congress of Food & Drug Safety, Urmia, Iran, October 2023.

❖ **Membership in associations and scientific committees:**

- General Sport Committee of Urmia University (GSC) (Expired),
- Cultural Council of Urmia University (Expired);
- Member of Iranian society of Physiology & Pharmacology (ISPP);
- Member in European Association for Veterinary Pharmacology & Toxicology (EAVPT);
- Member of Iranian society of Toxicology (IST).
- Member of International Society for the Study of Xenobiotic (ISSX).
- Committee member of Iranian Veterinary Organization for drug registration.
- Member of PhD defense committee at Tabriz University of Medical Sciences (2014, 2015, 2016, ۲۰۱۹);
- Member of PhD defense committee at Utrecht University, Pharmaceutical Sciences (March, ۲۰۱۶);
- Member of PhD defense committee at Utrecht University Pharmaceutical Sciences (March, ۲۰۱۷);
- Member of UMSU (Urmia University of Medical Sciences) research committee, since 2015-now.
- Member of UMSU (Urmia University of Medical Sciences) distinctive council, since 2018-۲۰۲۲.