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Morteza Eskandani, Pharmaceutical Nanotechnology (Doctor of Philosophy)

H-Index: 28, RG Score: 33.83, Research items: 70, Citation: 1805

Education

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran

2011-08 to 2015-08-01

Ph.D/ Pharmaceutical Nanotechnology

University of Guilan: Rasht, Guilan, Iran

2005-07 to 2007-07-01

M.Sc/ Biochemistry

Gorgan University of Agricultural Sciences and Natural Resources: Gorgan, Golestan, Iran

2001-07 to 2005-07-01

Bachelor science/ Zoology

Thesis

PhD *Isolation and elucidation of cytotoxic compound of Dorema glabrum Fisch. C.A, Ferula ovina Boiss and Salvia sahendica Boiss and Buhse, their formulation in to the nano structured lipids and assessment of their effects on ovarian and lung cancer cell lines in hypoxia condition., Supervisor: Professor Hossein Nazemiyeh*

MSc *Assessment of oxidative stress and alpha-MSH gene sequences in Iranian vitiligo patients., Supervisor: Professor Sadegh Hasannia*

Employments

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran
2015-11 to present
Assistant professor

Islamic Azad University: Bonab, Azarbayjan, Iran
2009-07 to 2011-07-01
Lecturer (Biology-Biochemistry)

Payame Noor University: Maragheh, Maragheh, Iran
2009-07 to 2011-07-01
Lecturer (Biology-Biochemistry)

Golestan Hospital: Teharn, Teharn, Iran
2007-07 to 2009-07-01
Assistant manager (Medical laboratory)

Executive occupations

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran
2016-2 to present
Manager, Research Center for Pharmaceutical Nanotechnology

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran
2015-11 to present
Director of web design and maintenance, Research Center for Pharmaceutical Nanotechnology

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran
2015-2 to present
Secretary and founder of Scientific Meetings In RCPN (SMIR), Research Center for Pharmaceutical Nanotechnology
<http://nano.tbzmed.ac.ir>

Tabriz University of Medical Sciences: Tabriz, East Azerbaijan, Iran
2016-10 to present
Secretary and founder of e-Learning In RCPN (e-LIR), Research Center for Pharmaceutical Nanotechnology
<http://nano.tbzmed.ac.ir/?PageID=106>

Supervised/ advised theses

tPA encapsulation in polymeric nanoparticle as therapeutic for brain ischemia

Role: Advisor

Student: Masoumeh Zamanlou, PhD thesis

Status: Ongoing

Targeted nanoparticles for chemo-/gene therapy of ovarian cancer

Role: Advisor

Student: Somayeh Vandghanooni, PhD thesis

Status: Finihsed

Comparison of anti-oxidative properties of intact marrubiin and marrubiin-SLNs in cardiovascular disease

Role: Advisor

Student: Aylar Nakhband, PhD thesis

Status: Ongoing

Formulation and physicochemical characterization of folic acid tagged Fe nanoparticles against ovarian cancer

Role: Advisor

Student: Maryam Ranjbar, PhD thesis

Status: Finished

The effect of silibin on the doxorubicin resistant cancer cell lines

Role: Advisor

Student: Bahador Larti, PhD thesis

Status: Ongoing

The effect of food additive PG and TBHQ on the secondary metabolites of lactic acid bacteria and their anticancer properties

Role: Supervisor

Student: Marziyeh Salmanzadeh, PhD thesis

Status: Finished

Grants

Pharmacologic effects of sclareol on cancer cells in hypoxia

Role: Executer

Funder: Support fund for researcher and technologist, Tehran, President affairs, Iran

Status: Ongoing

Formulation, physicochemical characterization and anticancer properties of sclareol loaded solid lipid nanoparticles

Role: Executer

Funder: Drug applied research center, Tabriz, Iran

Status: Ongoing

tPA encapsulation in polymeric nanoparticle as therapeutic for brain ischemia

Role: Co-PI

Funder: Neuroscience research center, Tabriz, Iran

Status: Ongoing

Targeted nanoparticles for chemo-/gene therapy of ovarian cancer

Role: Co-PI

Funder: Research Center for Pharmaceutical Nanotechnology, Tabriz, Iran

Status: Ongoing

Comparison of anti-oxidative properties of intact marrubiin and marrubiin-SLNs in cardiovascular disease

Role: Co-PI

Funder: Research Center for Pharmaceutical Nanotechnology, Tabriz, Iran

Status: Ongoing

Formulation and physicochemical characterization of folic acid tagged Fe nanoparticles against ovarian cancer

Role: Co-PI

Funder: Islamic Azad University, Science and Research Branch, Tehran, Iran

Status: Finished

The effect of silibin on the doxorubicin resistant cancer cell lines

Role: Co-PI

Funder: Faculty of pharmacy, Tabriz, Iran

Status: Ongoing

The effect of food additive PG and TBHQ on the secondary metabolites of lactic acid bacteria and their anticancer properties

Role: Executer

Funder: Research Center for Pharmaceutical Nanotechnology, Tabriz, Iran

Status: Finished

Anti-cancer drug discovery from halophytes plants based on bioassay-guided isolation platform

Role: Co-PI

Funder: National Institute for Medical Research Development (NIMAD), Deputy of research and technology, Ministry of Health, Tehran, Iran

Status: Finished

Development of aptamer targeted/opsonized nanoparticle bio-conjugates for enhanced therapy of MUC1-positive breast cancer cells in hypoxia

Role: PI- Executer, **Enlightened researcher grant**

Funder: National Institute for Medical Research Development (NIMAD), Deputy of research and technology, Ministry of Health, Tehran, Iran

Status: Ongoing

Preparation, characterization, cellular uptake and antiproliferative effects of Acriflavine loaded solid lipid nanoparticles on A549 human lung epithelial cancer cells

Role: PI-Executer, **Enlightened researcher grant**

Funder: National Institute for Medical Research Development (NIMAD), Deputy of research and technology, Ministry of Health, Tehran, Iran

Status: Finished

Patents

Production of fluorescent nanoparticles containing acetyl shikonin for drug distribution studies in vivo

Registration No: 84336 (2014)

Country: Iran

Journal Publications

[1] S. Vandghanooni, M. Eskandani, J. Barar, Y. Omid, Antisense LNA-loaded nanoparticles of star-shaped glucose-core PCL-PEG copolymer for enhanced inhibition of oncomiR-214 and nucleolin-mediated therapy of cisplatin-resistant ovarian cancer cells, International Journal of Pharmaceutics 573 (2020).

[2] S. Vandghanooni, M. Eskandani, Natural polypeptides-based electrically conductive biomaterials for tissue engineering, *International Journal of Biological Macromolecules* 147 (2020) 706-733.

[3] S. Vandghanooni, J. Barar, M. Eskandani, Y. Omid, Aptamer-conjugated mesoporous silica nanoparticles for simultaneous imaging and therapy of cancer, *TrAC - Trends in Analytical Chemistry* 123 (2020).

[4] M.B. Bahadori, G. Zengin, L. Dinparast, M. Eskandani, The health benefits of three Hedgenettle herbal teas (*Stachys byzantina*, *Stachys inflata*, and *Stachys lavandulifolia*) - profiling phenolic and antioxidant activities, *European Journal of Integrative Medicine* 38 (2020) In press.

[5] M.B. Bahadori, F. Maggi, G. Zengin, B. Asghari, M. Eskandani, Essential oils of hedgenettes (*Stachys inflata*, *S. lavandulifolia*, and *S. byzantina*) have antioxidant, anti-Alzheimer, antidiabetic, and anti-obesity potential: A comparative study, *Industrial Crops and Products* 145 (2020).

[6] M. Zamanlu, M. Eskandani, J. Barar, M. Jaymand, P.S. Pakchin, M. Farhoudi, Enhanced thrombolysis using tissue plasminogen activator (tPA)-loaded PEGylated PLGA nanoparticles for ischemic stroke, *Journal of Drug Delivery Science and Technology* 53 (2019).

[7] S. Vandghanooni, M. Eskandani, J. Barar, Y. Omid, Aptamedicine: A new treatment modality in personalized cancer therapy, *BioImpacts* 9(2) (2019) 67-70.

[8] S. Vandghanooni, M. Eskandani, Electrically conductive biomaterials based on natural polysaccharides: Challenges and applications in tissue engineering, *International Journal of Biological Macromolecules* 141 (2019) 636-662.

[9] Z. Ranjbar-Navazi, Y. Omid, M. Eskandani, S. Davaran, Cadmium-free quantum dot-based theranostics, *TrAC - Trends in Analytical Chemistry* 118 (2019) 386-400.

- [10] R. Mohammad-Rezaei, B. Massoumi, M. Eskandani, M. Abbasian, M. Jaymand, A new strategy for the synthesis of modified novolac resin and its polymer/clay nanocomposite, *Express Polymer Letters* 13(6) (2019) 543-552.
- [11] R. Mohammad-Rezaei, B. Massoumi, M. Abbasian, M. Eskandani, M. Jaymand, Electrically conductive adhesive based on novolac-grafted polyaniline: synthesis and characterization, *Journal of Materials Science: Materials in Electronics* 30(3) (2019) 2821-2828.
- [12] M.B. Bahadori, S. Vandghanooni, L. Dinparast, M. Eskandani, S.A. Ayatollahi, A. Ata, H. Nazemiyeh, Triterpenoid corosolic acid attenuates HIF-1 stabilization upon cobalt (II) chloride-induced hypoxia in A549 human lung epithelial cancer cells, *Fitoterapia* 134 (2019) 493-500.
- [13] M.R. Asgharzadeh, M.M. Pourseif, J. Barar, M. Eskandani, M.J. Niya, M.R. Mashayekhi, Y. Omid, Functional expression and impact of testis-specific gene antigen 10 in breast cancer: A combined in vitro and in silico analysis, *BioImpacts* 9(3) (2019) 145-159.
- [14] M. Zamanlu, M. Farhoudi, M. Eskandani, J. Mahmoudi, J. Barar, M. Rafi, Y. Omid, Recent advances in targeted delivery of tissue plasminogen activator for enhanced thrombolysis in ischaemic stroke, *Journal of Drug Targeting* 26(2) (2018) 95-109.
- [15] M. Zamanlu, M. Eskandani, R. Mohammadian, N. Entekhabi, M. Rafi, M. Farhoudi, Spectrophotometric analysis of thrombolytic activity: SATA assay, *BioImpacts* 8(1) (2018) 31-38.
- [16] S. Vandghanooni, M. Eskandani, J. Barar, Y. Omid, Recent advances in aptamer-armed multimodal theranostic nanosystems for imaging and targeted therapy of cancer, *European Journal of Pharmaceutical Sciences* 117 (2018) 301-312.
- [17] S. Vandghanooni, M. Eskandani, J. Barar, Y. Omid, Bispecific therapeutic aptamers for targeted therapy of cancer: a review on cellular perspective, *Journal of Molecular Medicine* 96(9) (2018) 885-902.

- [18] S. Vandghanooni, M. Eskandani, J. Barar, Y. Omid, AS1411 aptamer-decorated cisplatin-loaded poly(lactic-co-glycolic acid) nanoparticles for targeted therapy of miR-21-inhibited ovarian cancer cells, *Nanomedicine* 13(21) (2018).
- [19] R. Salmanzadeh, M. Eskandani, A. Mokhtarzadeh, S. Vandghanooni, R. Ilghami, H. Maleki, N. Saeedi, Y. Omid, Propyl gallate (PG) and tert-butylhydroquinone (TBHQ) may alter the potential anti-cancer behavior of probiotics, *Food Bioscience* 24 (2018) 37-45.
- [20] Z. Ranjbar-Navazi, M. Eskandani, M. Johari-Ahar, A. Nemati, H. Akbari, S. Davaran, Y. Omid, Doxorubicin-conjugated D-glucosamine- and folate- bi-functionalised InP/ZnS quantum dots for cancer cells imaging and therapy, *Journal of Drug Targeting* 26(3) (2018) 267-277.
- [21] A. Nakhband, M. Eskandani, N. Saeedi, S. Ghafari, Y. Omid, J. Barar, A. Garjani, Marrubiin-loaded solid lipid nanoparticles' impact on TNF- α treated umbilical vein endothelial cells: A study for cardioprotective effect, *Colloids and Surfaces B: Biointerfaces* 164 (2018) 299-307.
- [22] A. Nakhband, M. Eskandani, Y. Omid, N. Saeedi, S. Ghaffari, J. Barar, A. Garjani, Combating atherosclerosis with targeted nanomedicines: Recent advances and future prospective, *BioImpacts* 8(1) (2018) 59-75.
- [23] M. Jaymand, M. Lotfi, J. Barar, M. Eskandani, H. Maleki, Novel dental nanocomposites: Fabrication and investigation of their physicochemical, mechanical and biological properties, *Bulletin of Materials Science* 41(3) (2018).
- [24] A. Jafarizad, A. Taghizadehgh-Alehjougi, M. Eskandani, M. Hatamzadeh, M. Abbasian, R. Mohammad-Rezaei, M. Mohammadzadeh, B. Toğar, M. Jaymand, PEGylated graphene oxide/Fe³⁺O⁴ site: Synthesis, characterization, and evaluation of its performance as de novo drug delivery nanosystem, *Bio-Medical Materials and Engineering* 29(2) (2018) 177-190.

- [25] H. Hamishehkar, M.B. Bahadori, S. Vandghanooni, M. Eskandani, A. Nakhllband, M. Eskandani, Preparation, characterization and anti-proliferative effects of sclareol-loaded solid lipid nanoparticles on A549 human lung epithelial cancer cells, *Journal of Drug Delivery Science and Technology* 45 (2018) 272-280.
- [26] M.B. Bahadori, M. Eskandani, M. De Mieri, M. Hamburger, H. Nazemiyeh, Anti-proliferative activity-guided isolation of clerodermic acid from *Salvia nemorosa* L.: Geno/cytotoxicity and hypoxia-mediated mechanism of action, *Food and Chemical Toxicology* 120 (2018) 155-163.
- [27] N. Alizadeh, M. Eskandani, K. Tondro, M.R. Rashidi, H. Nazemiyeh, Inhibitory effects of flavonolignans from *silybum marianum* (L.) gaertn (milk thistle) on function of aldehyde oxidase and xanthine oxidase in rats, *Letters in Drug Design and Discovery* 15(3) (2018) 256-262.
- [28] M. Abbasian, M.M. Roudi, F. Mahmoodzadeh, M. Eskandani, M. Jaymand, Chitosan-grafted-poly(methacrylic acid)/graphene oxide nanocomposite as a pH-responsive de novo cancer chemotherapy nanosystem, *International Journal of Biological Macromolecules* 118 (2018) 1871-1879.
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- [30] N. Rahmanian, M. Eskandani, J. Barar, Y. Omid, Recent trends in targeted therapy of cancer using graphene oxide-modified multifunctional nanomedicines, *Journal of Drug Targeting* 25(3) (2017) 202-215.
- [31] M. Eskandani, S. Vandghanooni, J. Barar, H. Nazemiyeh, Y. Omid, Cell physiology regulation by hypoxia inducible factor-1: Targeting oxygen-related nanomachineries of hypoxic cells, *International Journal of Biological Macromolecules* 99 (2017) 46-62.

- [32] M.R. Asgharzadeh, J. Barar, M.M. Pourseif, M. Eskandani, M.J. Niya, M.R. Mashayekhi, Y. Omid, Molecular machineries of pH dysregulation in tumor microenvironment: Potential targets for cancer therapy, *BioImpacts* 7(2) (2017) 115-133.
- [33] Y. Rahbar Saadat, A. Barzegari, S. Zununi Vahed, N. Saeedi, M. Eskandani, Y. Omid, J. Barar, Cyto/Genotoxic Effects of Pistacia atlantica Resin, a Traditional Gum, *DNA and Cell Biology* 35(6) (2016) 261-266.
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- [35] B. Massoumi, F. Ghandomi, M. Abbasian, M. Eskandani, M. Jaymand, Surface functionalization of graphene oxide with poly(2-hydroxyethyl methacrylate)-graft-poly(ϵ -caprolactone) and its electrospun nanofibers with gelatin, *Applied Physics A: Materials Science and Processing* 122(12) (2016).
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- [37] B. Khalilzadeh, N. Shadjou, H. Afsharan, M. Eskandani, H.N. Charoudeh, M.R. Rashidi, Reduced graphene oxide decorated with gold nanoparticle as signal amplification element on ultra-sensitive electrochemiluminescence determination of caspase-3 activity and apoptosis using peptide based biosensor, *BioImpacts* 6(3) (2016) 135-147.
- [38] M. Jaymand, R. Sarvari, P. Abbaszadeh, B. Massoumi, M. Eskandani, Y. Beygi-Khosrowshahi, Development of novel electrically conductive scaffold based on hyperbranched polyester and polythiophene for tissue engineering applications, *Journal of Biomedical Materials Research - Part A* 104(11) (2016) 2673-2684.

- [39] M. Eskandani, M.B. Bahadori, G. Zengin, L. Dinparast, S. Bahadori, Novel natural agents from Lamiaceae family: An evaluation on toxicity and enzyme inhibitory potential linked to diabetes mellitus, *Current Bioactive Compounds* 12(1) (2016) 34-38.
- [40] B. Khalilzadeh, N. Shadjou, M. Eskandani, H.N. Charoudeh, Y. Omid, M.R. Rashidi, A reliable self-assembled peptide based electrochemical biosensor for detection of caspase 3 activity and apoptosis, *RSC Advances* 5(72) (2015).
- [41] V. Kafil, M. Eskandani, Y. Omid, H. Nazemiyeh, J. Barar, Abietane diterpenoid of *Salvia sahendica* Boiss and Buhse potently inhibits MCF-7 breast carcinoma cells by suppression of the PI3K/AKT pathway, *RSC Advances* 5(23) (2015) 18041-18050.
- [42] P. Ghorbaniazar, A. Sepehrianazar, M. Eskandani, M. Nabi-Meibodi, M. Kouhsoltani, H. Hamishehkar, Preparation of poly acrylic acid-poly acrylamide composite nanogels by radiation technique, *Advanced Pharmaceutical Bulletin* 5(2) (2015) 269-275.
- [43] M. Eskandani, J. Barar, J.E.N. Dolatabadi, H. Hamishehkar, H. Nazemiyeh, Formulation, characterization, and geno/cytotoxicity studies of galbanic acid-loaded solid lipid nanoparticles, *Pharmaceutical Biology* 53(10) (2015) 1525-1538.
- [44] M. Eskandani, J. Abdolalizadeh, H. Hamishehkar, H. Nazemiyeh, J. Barar, Galbanic acid inhibits HIF-1 α expression via EGFR/HIF-1 α pathway in cancer cells, *Fitoterapia* 101 (2015) 1-11.
- [45] R. Salehi, M. Irani, M. Eskandani, K. Nowruzi, S. Davaran, I. Haririan, Interaction, controlled release, and antitumor activity of doxorubicin hydrochloride from pH-sensitive P(NIPAAm-MAA-VP) nanofibrous scaffolds prepared by green electrospinning, *International Journal of Polymeric Materials and Polymeric Biomaterials* 63(12) (2014) 609-619.
- [46] R. Salehi, H. Hamishehkar, M. Eskandani, M. Mahkam, S. Davaran, Development of dual responsive nanocomposite for simultaneous delivery of anticancer drugs, *Journal of Drug Targeting* 22(4) (2014) 327-342.

- [47] M. Hasanzadeh, N. Shadjou, M. Eskandani, J. Soleymani, F. Jafari, M. de la Guardia, Dendrimer-encapsulated and cored metal nanoparticles for electrochemical nanobiosensing, *TrAC - Trends in Analytical Chemistry* 53 (2014) 137-149.
- [48] H. Hamishehkar, S. Khani, S. Kashanian, J. Ezzati Nazhad Dolatabadi, M. Eskandani, Geno- and cytotoxicity of propyl gallate food additive, *Drug and Chemical Toxicology* 37(3) (2014) 241-246.
- [49] M. Eskandani, H. Nazemiyeh, Self-reporter shikonin-Act-loaded solid lipid nanoparticle: Formulation, physicochemical characterization and geno/cytotoxicity evaluation, *European Journal of Pharmaceutical Sciences* 59(1) (2014) 49-57.
- [50] M. Eskandani, H. Hamishehkar, J. Ezzati Nazhad Dolatabadi, Cytotoxicity and DNA damage properties of tert-butylhydroquinone (TBHQ) food additive, *Food Chemistry* 153 (2014) 315-320.
- [51] M. Eskandani, E. Dadizadeh, H. Hamishehkar, H. Nazemiyeh, J. Barar, Geno/cytotoxicity and apoptotic properties of phenolic compounds from the seeds of *Dorema glabrum* Fisch. C.A, *BioImpacts* 4(4) (2014) 191-198.
- [52] J.E.N. Dolatabadi, H. Hamishehkar, M. Eskandani, H. Valizadeh, Formulation, characterization and cytotoxicity studies of alendronate sodium-loaded solid lipid nanoparticles, *Colloids and Surfaces B: Biointerfaces* 117 (2014) 21-28.
- [53] F. Akbari, M. Eskandani, A.Y. Khosroushahi, The potential of transgenic green microalgae; a robust photobioreactor to produce recombinant therapeutic proteins, *World Journal of Microbiology and Biotechnology* 30(11) (2014) 2783-2796.
- [54] S. Vandghanooni, A. Forouharmehr, M. Eskandani, A. Barzegari, V. Kafil, S. Kashanian, J. Ezzati Nazhad Dolatabadi, Cytotoxicity and DNA fragmentation properties of butylated hydroxyanisole, *DNA and Cell Biology* 32(3) (2013) 98-103.

[55] R. Salehi, M. Irani, M.R. Rashidi, A. Aroujalian, A. Raisi, M. Eskandani, I. Haririan, S. Davaran, Stimuli-responsive nanofibers prepared from poly(N-isopropylacrylamide-acrylamide-vinylpyrrolidone) by electrospinning as an anticancer drug delivery, *Designed Monomers and Polymers* 16(6) (2013) 515-527.

[56] M. Hasanzadeh, N. Shadjou, E. Omidinia, M. Eskandani, M. de la Guardia, Mesoporous silica materials for use in electrochemical immunosensing, *TrAC - Trends in Analytical Chemistry* 45 (2013) 93-106.

[57] M. Hasanzadeh, N. Shadjou, M. Eskandani, M. de la Guardia, E. Omidinia, Electrochemical nano-immunosensing of effective cardiac biomarkers for acute myocardial infarction, *TrAC - Trends in Analytical Chemistry* 49 (2013) 20-30.

[58] M. Eskandani, H. Hamishehkar, J.E.N. Dolatabadi, Cyto/genotoxicity study of polyoxyethylene (20) sorbitan monolaurate (tween 20), *DNA and Cell Biology* 32(9) (2013) 498-503.

[59] M. Hasanzadeh, N. Shadjou, M. Eskandani, M. Guardia, Mesoporous silica-based materials for use in electrochemical enzyme nanobiosensors, *TrAC - Trends in Analytical Chemistry* 40 (2012) 106-118.

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[62] S. Vandghanooni, M. Eskandani, V. Montazeri, M. Halimi, E. Babaei, M.A. Hosseinpour Feizi, Survivin-deltaEx3: A novel biomarker for diagnosis of papillary thyroid carcinoma, *Journal of Cancer Research and Therapeutics* 7(3) (2011) 325-330.

[63] S. Vandghanooni, M. Eskandani, Comet assay: A method to evaluate genotoxicity of nano-drug delivery system, *BioImpacts* 1(2) (2011) 87-97.

[64] S. Hasannia, N. Pirooznia, M. Taghdir, F. Rahbarizadeh, M. Eskandani, The construction of chimeric T-cell receptor with spacer base of modeling study of VHH and MUC1 interaction, *Journal of Biomedicine and Biotechnology* 2011 (2011).

[65] S. Asnaashari, E. Dadizadeh, A.H. Talebpour, M. Eskandani, H. Nazemiyeh, Free radical scavenging potential and essential oil composition of the *Dorema glabrum* fisch. C.A. mey roots from iran, *BioImpacts* 1(4) (2011) 241-244.

[66] M. Eskandani, S. Hasannia, S. Vandghanooni, N. Pirooznia, J. Golchai, Assessment of MC1R and α -MSH gene sequences in Iranian vitiligo patients, *Indian Journal of Dermatology* 55(4) (2010) 325-328.

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Selected Conference Proceedings

[1] **Morteza Eskandani**: Apoptosis inducing properties of *Salvia Sahendica* on MCF-7 human breast adenocarcinoma, 21st International Iranian Congress of Physiology & Pharmacology, Tabriz. 21st International Iranian Congress of Physiology & Pharmacology, Tabriz 2013; 09/2013

[2] **Morteza Eskandani**: stimuli responsive nanofibers prepared from poly (NIPAcrylAmidVproline) by green electospuning as an anticancer drug delivery. Conference Proceeding: Apoptosis inducing properties of *Salvia Sahendica* on MCF-7 human breast adenocarcinoma, 21st International Iranian Congress of Physiology & Pharmacology, Tabriz Morteza Eskandani 21st International Iranian Congress of Physiology &; 08/2013

[3] **Morteza Eskandani**: Phytochemical analysis and cytotoxic activity of the methanolic extract of *prangos aculis* roots. Conference Proceeding: Apoptosis inducing properties of

Salvia Sahendica on MCF-7 human breast adenocarcinoma, 21st International Iranian Congress of Physiology & Pharmacology, Tabriz Morteza Eskandani 21st International Iranian Congress of Physiology & 08/2013

[4] **Morteza Eskandani:** Prostate-Specific antigen: False negative and false positive result with patients' diabetes and renal function disease. 14 th international urology congress in Iran. 14 th international urology congress in Iran; 09/2011

[5] **Morteza Eskandani:** The influence of human intron insertion on eukaryotic vector expression. 10th international Biochemistry Congress in Tehran as Poster presentation. (2009). 10th international Biochemistry Congress; 10/2009

[6] **Morteza Eskandani:** The construction of chimeric T-cell receptor base of modeling study of VHH with MUC1 interaction. Nanotechnologies in oncology, Moscow (2008) as Oral presentation. Nanotechnologies in oncology, Moscow (2008); 10/2008

Skills & Activities

Skills Nanomedicine, Cell Culture, Cancer Biology, Comet Assay, DNA Damage, Genotoxicity, Oxidative Stress, Cytotoxicity, Nanoparticles Drug Delivery, Electrospinning, Mutagenicity, Biochemistry, Oncology, Apoptosis, Biomarkers, Molecular Toxicology, Antioxidants, Cytotoxicity Assays, Cell Biology, MTT Assay, Biotechnology, Nanocomposites, Natural Product Chemistry, Hypoxia, Nano Drug Delivery, HPLC-UV, Nanoparticles, Pharmacology, In vitro Toxicology, Genetic Toxicology, Oxidative Stress Biomarkers, Natural Products, Genotoxicology, Hypoxia-Inducible Factor 1, DNA Fragmentation, Reactive Oxygen Species, Medicinal Plants, Antioxidant Activity, NMR Spectroscopy, Electrochemistry, Scaffold, Targeted Drug Delivery, Regenerative Medicine

Languages English, Persian and Turkish

Hobbies Setar playing, Music listening, Car driving, Sport, Hiking, Studying

Scientific - Physiology and Pharmacology Society of Iran

Memberships - Biochemistry Society of Iran

- Nanotechnology Society of Iran

Interests - Nanomaterials, Biomaterials, Drug delivery, Targeted therapy,
Tissue engineering