

CURRICULUM VITAE INFORMATION FORM**PERSONAL DETAILS**

Full Name	Keywan Mortezaee		
Address	Department of Anatomy, School of Medicine, Kurdistan University of Medical Sciences, Sanandaj, Iran.		
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E-mail	keywan987@yahoo.com mortezaee-k@muk.ac.ir	Date of birth	September 11, 1986
Nationality	Iranian	Marital Status	Married

EDUCATION

Name and address of school & university	Date of attendance	Course's Graduation
Andishe Pre-University, Kurdistan, Iran	2003	Diploma: Experimental Sciences
School of Nursing, Kurdistan University of Medical Sciences, Kurdistan, Iran.	2004-2006	Assisted Diploma: Operating Room

<p>School of Nursing, Shiraz University of Medical Sciences, Shiraz, Iran.</p> <p>School of Medicine, Tehran University of Medical Sciences, Tehran, Iran.</p> <p>School of Medicine, Tehran University of Medical Sciences, Tehran, Iran.</p>	<p>2006-2009</p> <p>2009-2012 2012-2015</p>	<p>Bachelor of Science: Nursing</p> <p>Master of Science: Anatomical Sciences</p> <p>Ph.D.: Anatomical Sciences</p>
<p>Laboratory techniques:</p> <p>Cell Culture (adult and embryonic stem cells; human and animal) and Differentiation, Regular and Specific Histologic Staining — Oil Red O, Masson's trichrome and Periodic acid-Schiff — Stereological analyses, Immunocytochemistry, Immunohistochemistry & Immunofluorescence, RT-PCR, Flow cytometry, Western blot, Real-time PCR, and ELISA.</p>		
<p>Computer literacy:</p> <p>Microsoft Word, Microsoft Power Point, Microsoft Excel, Adobe Photoshop, EndNote Software, ImageJ Software, Image Quant software, SPSS software, Graph Prism</p>		
<p>Languages:</p> <ul style="list-style-type: none"> - English, Persian, and Kurdish • 13 semester learning English certificate from Kish Institute of Science and Technology. • Professional in English Academic Writing — with eight years of specific training, Listening as well as Speaking. 		
<p>Scientific Awards:</p> <ul style="list-style-type: none"> • Top student on Iranian MSc Candidacy Exam for Anatomical Sciences degrees, June 2009. • Top student on Iranian PhD. Candidacy Exam for Anatomical Sciences degrees, October 2011. • MSc average grade: 18.62 out of 20 & MSC Thesis grade: 18.86 out of 20. • Ph.D. average grade: 18.53 out of 20 & Ph.D. Thesis grade: 20 out of 20. • Receiving an award of Top Researcher in the year 2017 at Kurdistan University of Medical Sciences • Receiving credential from the Journal of Cellular Physiology for the article entitled CD8+ cytotoxic T lymphocytes in cancer immunotherapy: A review by being the 20 top most downloaded article. • Elected as a member of the National Elite Foundation 		

M.Sc. Thesis Subject:

- Comparing the Hepatogenic Differentiation of Human Bone Marrow Mesenchymal and Umbilical Cord Matrix Stem Cells: The Role of Retinoic Acid.

Ph.D. Thesis Subject:

- The Study of Melatonin-pretreated Bone Marrow Mesenchymal Stem Cells in Rat CCl₄-induced Liver Fibrosis.

Teaching precedent:

- 4 credit hours of teaching anatomy for Medical students (September 2009-March 2011) - Tehran University of Medical Sciences.
- 275 hours of teaching anatomy, histology and embryology for Dentistry and BA-Medicine students (June 2010-December 2010) - Tehran University of Medical Sciences; Konkur Holding Organization.
- 8 credit hours of teaching anatomy for Medical students (April 2012-March 2014) - Tehran University of Medical Sciences.
- 6 credit hours of teaching anatomy and embryology for BA students (February 2012-June 2012) - Varamin Azad University.
- 2 credit hours of teaching anatomy for medical students (September 2012-January 2013) - Qum Azad University.
- 2 credit hours of teaching anatomy for Dentistry students (October 2012-December 2012) - Tehran University of Medical Sciences.
- 77 credit hours of teaching histology, anatomy and embryology for Medical, BA and Dentistry students (October 2012-June 2018) - Kurdistan University of Medical Sciences.
- 3 credit hours of teaching anatomy for Radiotherapy students (February 2014-June 2014) - Tehran University of Medical Sciences.
- 4 credit hours of teaching anatomy for Medical students (October 2014-December 2014) – Tunkabon Azad University.
- 3 credit hours of teaching embryology for BA Midwifery students (November 2014-March 2015) – Tehran University of Medical Sciences; Konkur-based, Nursing Faculty.
- Working as an assistant professor at Kurdistan University of Medical Sciences (June 2016 until now)

As a reviewer:

- Journal of Pineal Research (Impact factor: **15.22**): 2 articles
- Journal of Cellular Physiology (Impact Factor: 4.52): 2 articles
- Annals of Hepatology (Impact Factor: 1.89): 1 article
- Experimental Biology and Medicine (Impact Factor: 2.41): 1 article

- Expert Opinion on Pharmacotherapy (Impact Factor: 3.03): 1 article

<p>Additional professional activities</p>	<ul style="list-style-type: none"> • Participation in the 9th Congress of Anatomical Sciences, May 2010, Hamadan, Iran. • Participation in the 5th Royan International Twin Congress on Stem Cell Biology & Technology, Tehran, Iran, September 2009. • Oral Presentation: Anthropometric Features of Body Index..., Istanbul, Turkey, September 2015. • Oral Presentation: Could Melissa Officinalis Extract restore..., Istanbul, Turkey September 2015. • Poster: Trans-differentiation of mesenchymal stem cells into spermatogonial stem cell by spermatogonial stem cell extract. World BioDiscovery Congress 2017. 17-19 July, Bulgaria • Research Assistant, Anatomical Science Research Center, Tehran University of Medical Sciences, 2011-2015. • Research Assistant, Movement-Related Cortical Potentials and Anticipatory Postural Preparation Accompanied by externally cued Weighted-Rapid Arm Rise Task in Non-Specific Chronic Low Back Pain Patients and Healthy Subjects; Physiotherapy-based PhD Thesis. • Cooperation in the first Summer School of Dissection held in Tehran University of Medical Sciences, September 2014. • Cooperation in the Body Donation Committee held in Tehran University of Medical Sciences, May 2014. • Translation of the Histological book entitled “Junqueira's Basic Histology” into Persian language by supervision of Dr. Amidi, Associate Professor of Anatomy at Tehran University of Medical Sciences. • Compilation of the Pathological book entitled “Congenital Heart Defects” in Persian language. • Compilation of the book entitled "Oral Cavity and Tooth Histology" in Persian language by supervision of Dr. Nobakht, Professor of Histology at Iran University of Medical Sciences. • Compilation of the book entitled "Histology for Students" in Persian language.
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	<ul style="list-style-type: none"> • Translation of the Histological book entitled “Ross Histology” into Persian. • Translation of the Histological book entitled “Larsen Embryology” into Persian. • Translation of the embryological book entitled “Pocket Atlas of Netter Embryology” into Persian. • Translation of the Histological book entitled “Difioreh Atlas of Histology” into Persian. • Translation of the surgical book entitled “Orthopedic surgery approached in the view of anatomy” into Persian.
<p>P A P E R S</p>	<ol style="list-style-type: none"> 1. Keywan Mortezaee, Fatemeh Sabbaghziarani, Gholamreza Hassanzadeh, Noushin Alaghbandha, Ali Dehbashipour. Anthropometric Features of Body Index in Natives of Qazvin, Iran. <i>Journal of Anatomical Sciences</i>, 2013. <i>Published</i>. 2. Keywan Mortezaee¹, Bagher Minaii¹, Fatemeh Sabbaghziarani¹, Iraj Ragerdi kashani¹, Mohammad Barbarestani^{1*}, Mostafa Latifpour¹. Retinoic Acid as the stimulator factor for Differentiation of Wharton’s Jelly Mesenchymal Stem Cells into Hepatocyte like Cells. <i>Avicenna Journal</i>, 2015. <i>Published</i>. 3. Fatemeh Sabbaghziarani¹, Keywan Mortezaee¹, Gholamreza Hassanzadeh^{*1}, Shahrbanoo Oryan², Mohammad Sharifzadeh², Mahnaz Khanavi², Sharareh Rasapour. Could Melissa Officinalis Extract restore Streptozotocin-induced spatial memory impairment in rats? <i>Journal of Anatomical Sciences</i>, 2014. <i>Published</i>. 4. Mortezaee K¹, Sabbaghziarani F¹, Noori-Mugahi S M H^{2*}, Moghani-Ghoroghi F¹, Sadr M¹. Stereological Analysis of Colon under Exposure of L-Arginine and L-NAME in Female Wistar Rats. <i>ZJRMS Journal</i>, 2014. <i>Published</i>. 5. Fatemeh Sabbaghziarani ¹, Keywan Mortezaee ¹, Seyed Mohammad Hossein Noori-Mugahi. Effects of L-Arginine and L-NAME on Duodenal Histologic Parameters in Female Wistar Rats. <i>Anatomical Sciences Journal</i>, 2015. <i>Published</i>. 6. Keywan Mortezaee¹, Fatemeh Sabbaghziarani¹, Ameneh Omidi¹, Ahmad Reza Dehpour², Negar Omidi³, Soudabeh Ghasemi¹, Parichehr Pasbakhsh¹, Iraj Ragerdi Kashani. Therapeutic Value of Melatonin Post-treatment on CCl₄-induced Fibrotic Rat Liver. <i>Canadian Journal of Physiology and Pharmacology</i>, 2015. <i>Published</i>.

7. **Keywan Mortezaee**¹, Parichehr Pasbakhsh¹, Iraj Ragerdi Kashani^{*1}, Fatemeh Sabbaghziarani¹, Ameneh Omid¹, Adib Zendedel¹, Soudabeh Ghasemi¹, Ahmad Reza Dehpour. Melatonin Pretreatment Enhances the Homing of Bone Marrow-Derived Mesenchymal Stem Cells Following Transplantation in a Rat Model of Liver Fibrosis. *Iranian Biomedical Journal. Published.*
8. **Keywan Mortezaee**¹, Parichehr Pasbakhsh¹, Ahmad Reza Dehpour², Ameneh Omid¹, Fatemeh Sabbaghziarani¹, Soudabeh Ghasemi¹, Adib Zendedel³, Iraj Ragerdi Kashani^{*1} Preconditioning with melatonin improves therapeutic outcomes of bone marrow-derived mesenchymal stem cells in targeting liver fibrosis induced by CCl₄ *Cell and Tissue Research. Published.*
9. Ameneh Omid¹, Mohammad Akbari¹, **Keywan Mortezaee**¹, Ehsan Eqlimi², Cordian Beyer³, Adib Zendedel³ Iraj Ragerdi Kashani¹ Prenatal Transplantation of Epidermal Neural Crest Stem Cells in Malformation of Cortical Development Mouse Model. *Microscopy Research and Techniques. Published.*
10. Ameneh Omid¹, Iraj Ragerdi Kashani^{*1}, Mohammad Akbari¹, **Keywan Mortezaee**¹, Soudabeh Ghassemi¹, Cordian Beyer², Adib Zendedel² Homing of Allogeneic Nestin-positive Hair Follicle Stem Cells after Maternal Transplantation in Experimental Model of Cortical Dysplasia. *Biochemistry and cell biology. Published.*
11. Nader Atlasy¹, Fardin Amidi^{1*}, **Keywan Mortezaee**¹, Mohammad Sadegh Fazeli², Seyed Javad Mowla³, Fatemeh Malek¹ Highly Expression of Ten-Eleven-Translocation1 in Human Colon CD133⁺ Cancer Stem-like Cells. *Avicenna Journal. Published.*
12. Neda Khanlarkhani¹, Parichehr Pasbakhsh¹, **Keywan Mortezaee**¹, Mohammad Najji¹, Fardin Amidi¹, Atefeh Najafi¹, Aligholi Sobhani¹, Adib Zendedel² Effect of Human Recombinant Granulocyte Colony-Stimulating Factor on Rat Busulfan-Induced Testis Injury. *Journal of Molecular Histology. Published.*
13. Neda Khanlarkhani, **Keywan Mortezaee**, Ebrahim Kharazi, Maryam Baazm, Mohammad Najji, Fardin Amidi, Parichehr Pasbakhsh, Aligholi Sobhani*, Adib Zendedel Protection of spermatogenesis against Busulfan-Induced Testis Injury by Stromal Derived Factor-1a (SDF-1a). *Reproductive Toxicology. Published.*
14. Ebrahim Kharizinejad¹, Bagher Minaee Zanganeh¹, Neda Khanlarkhani¹, **Keywan Mortezaee**¹,

Tayebeh Rastegar¹, Maryam Baazm², Farid Abolhassani¹, Seyed Mehdi Sajjadi³, Mahdieh Hajian¹, Fereshte Aliakbari¹, Mohammad Barbarestani^{1*}. Role of Spermatogonial Stem Cells Extract in Transdifferentiation of 5-aza-2'-deoxycytidine-treated Bone Marrow Mesenchymal Stem Cells into Germ-Like Cells. *Microscopy Research and Techniques Journal*. Published.

15. Fatemeh Sabbaghziarani¹, **Keywan Mortezaee**¹, Mohammad Akbari¹, Iraj Ragerdi kashani¹, Mansooreh Soleimani², Ashraf Moini³, Nahid Ataieinejad¹, Gholamreza Hassanzadeh^{1*} and Adib Zendedel⁴. Retinoic acid-pretreated Wharton's jelly mesenchymal stem cells in combination with triiodothyronine improve expression of neurotrophic factors in the SVZ of the rat ischemic brain injury. *Metabolic Brain Disease*. Published.

16. Fatemeh Sabbaghziarani^a, **Keywan Mortezaee**^{a, b}, Mohammad Akbari^a, Iraj Ragerdi kashani^a, Mansooreh Soleimani^c, Adib Zendedel^d and Gholamreza Hassanzadeh^{a*} Stimulation of neurotrophic factors and inhibition of pro-inflammatory cytokines by exogenous application of triiodothyronine in the rat model of ischemic stroke. *Cell Biochemistry and Function*. Published.

17. Heidar Toolee¹, Mohammad Reza Namavar², **Keywan Mortezaee**¹, Sara Keshtgar³, Hossein Mirkhani⁴, Mohammad Akbari¹, Tayebeh Rastegar¹, Ebrahim Kharazinejad¹, Elham Aliabadi^{2*} The number of kisspeptin-positive cells in arcuate and anteroventral periventricular nuclei of hypothalamus is affected by letrozole-induced polycystic ovarian syndrome in rats. *Archives of Gynecology and Obstetrics*. Published.

18. **Mortezaee K**, Majidpoor J, Daneshi E, Abouzaripour M, Abdi M. Post-treatment of melatonin with CCl₄ better reduces fibrogenic and oxidative changes in liver than melatonin co-treatment. *Journal of Cellular Biochemistry*. Published.

19. Mohammadzadeh Farzaneh^a, Safdarian Laily^b, Amidy Fardin^a, Mohammadzadeh Afsaneh^c, Mehdineghad Shaiesteh^a, **Keywan Mortezaee**^d, Sobhani Aligholi^{a*} Comparison of the effects of Ham's F10 and α MEM in combination with FBS or BSA in vitrification/thawing solution on quality and viability of sheep ovarian follicles. *Reproduction in Domestic Animals*. Published.

20. Maryam Shiasi, Farid Abolhassani, **Keywan Mortezaee**, Hooshang Saberi, Hamidreza Famitafreshi, Parisa Ebrahimnia, Bashir Nazparvar, Ardeshir Moayeri and Azim Hedayatpour. Neuroprotective role of neural stem cells in combination with JWH-015 in the CA1 hippocampus of the rat transient

common carotid artery occlusion and reperfusion *Crescent Journal of Medical and Biological Sciences. Published.*

21. **Mortezaee K** and Khanlarkhani. N. Melatonin application in targeting oxidative-induced liver injuries: A review. *J Cell Physiol. Published.*
22. Saeid Nekoonam, Mohammad Naji, **Keywan Mortezaee**, Fardin Amidi. Roles of methyltrienolone (R1881) in AKTs and AR expression patterns of cultured granulosa-lutein cells. *Journal of Cellular Biochemistry. Published.*
23. **Keywan Mortezaee**, Neda Khanlarkhani, Cordian Beyer and Adib Zendedel. Inflammasome: Its role in traumatic brain and spinal cord injury. *J Cell Physiol. Published.*
24. Morteza Abouzaripour, Fardin Fathi, Erfan Daneshi, **Keywan Mortezaee**, Mohammad Jafar Rezaie, Mahdad Abdi. Combined effect of retinoic acid and basic FGF on maturation of mouse oocyte and subsequent fertilization and development. *International Journal of Fertility. Published.*
25. Mehrdad Hajinejad, Parichehr Pasbakhsh, Ameneh Omid, **Keywan Mortezaee**, Saied Nekoonam, Reza Mamoudi, Iraj Ragerdi Kashani. Resveratrol pretreatment enhances homing of SDF-1 α -preconditioned-bone marrow-derived mesenchymal stem cells in a rat model of liver cirrhosis. *Journal of Cellular Biochemistry. Published.*
26. Masoud Najafi, Eniseh Salehi, Bagher Farhood, Maryam Shabani Nashtaei, Nasser Hashemi Goradel, Neda Khanlarkhani, Zeinab Namjoo and **Keywan Mortezaee***. Adjuvant chemotherapy with melatonin for targeting human cancers: a review. *Journal of Cellular Physiology. Published.*
27. Zeinab Namjoo, **Keywan Mortezaee**, Mohammad Taghi Joghataei, Fateme Moradi, Abbas Piryaee, yusef Abbasi, Amir Hosseini and Jamal majidpoor. Targeting axonal degeneration and demyelination using combined administration of 17 β -estradiol and Schwann cells in the rat model of spinal cord injury. *Journal of Cellular Biochemistry. Published.*
28. **Keywan Mortezaee***. Human Hepatocellular carcinoma: protection by melatonin. *J Cell Physiol. Published.*
29. Farhood B, Goradel NH, **Mortezaee K***, Khanlarkhani N, Salehi E, Nashtaei MS, Mirtavoos-Mahyari H, Motevaseli E, Shabeeb D, Musa AE, Najafi M. Melatonin as an adjuvant in radiotherapy for radioprotection and radiosensitization. *Clin Transl Oncol. Published.*

30. **Mortezaee K***. Nicotinamide adenine dinucleotide phosphate (NADPH) oxidase (NOX) and liver fibrosis: A review. *Cell Biochem Funct. Published.*
31. Farhood B, Goradel NH, **Mortezaee K**, Khanlarkhani N, Salehi E, Nashtaei MS, Shabeeb D, Musa AE, Fallah H, Najafi M. Intercellular communications-redox interactions in radiation toxicity; potential targets for radiation mitigation. *J Cell Commun Signal. Published.*
32. Nasser Hashemi Goradel, Masoud Najafi, Eniseh Salehi, Bagher Farhood, and **Keywan Mortezaee***. Cyclooxygenase-2 (COX-2) in cancer: a review. *Journal of Cellular Physiology. Published.*
33. Masoud Najafi, Nasser Hashemi Goradel, Bagher Farhood, Eniseh Salehi, Somaye Solhjoo, Heidar Toolee, Ebrahim Kharazinejad and **Keywan Mortezaee***. Tumor microenvironment (TME): interactions and therapy. *Journal of Cellular Physiology. Published.*
34. Masoud Najafi Bagher Farhood and **Keywan Mortezaee***. Extracellular matrix (ECM) stiffness and degradation as cancer drivers. *Journal of Cellular Biochemistry. Published.*
35. Bagher Farhood, Masoud Najafi and **Keywan Mortezaee***. Cancer associated fibroblasts (CAFs): secretions, interactions and therapy. *Journal of Cellular Biochemistry. Published.*
36. Masoud Najafi, Nasser Hashemi Goradel, Bagher Farhood, Eniseh Salehi, Maryam Shabani Nashtaei, Neda Khanlarkhani, Zahra Khezri, Jamal Majidpoor, Morteza Abouzaripour, Mohsen Habibi, Iraj Ragerdi Kashani and **Keywan Mortezaee***. Macrophage polarity in cancer: a review. *Journal of Cellular Biochemistry. Published.*
37. Bagher Farhood, Masoud Najafi, Eniseh Salehi, Nasser Hashemi Goradel, Maryam Shabani Nashtaei, Neda Khanlarkhani and **Keywan Mortezaee***. Disruption of a redox balance with either oxidative or anti-oxidative overload as a promising target for cancer therapy. *Journal of Cellular Biochemistry. Published.*
38. Somayeh Solhjoo, Mohammad Akbari, Heidar Toolee, **Keywan Mortezaee**, Mahshid Mohammadipour, Seyed Nouredin Nematollahi-Mahani, Amene Shahrokhi, Mahtab Sayadi and Tayebeh Rastegar. Roles for osteocalcin in proliferation and differentiation of spermatogonial cells co-cultured with Somatic cells. *Journal of Cellular Biochemistry. Published.*
39. Heidar Toolee, Tayebeh Rastegar, Somayeh Solhjoo, **Keywan Mortezaee**, Mahshid Mohammadipour, Iraj Ragerdi Kashani and Mohammad Akbari. Roles for Kisspeptin in proliferation

and differentiation of spermatogonial cells isolated from mice offspring when the cells are co-cultured with somatic cells. *Journal of Cellular Biochemistry. Published.*

40. Bagher Farhood, Nasser Hashemi Goradel, **Keywan Mortezaee**, Neda Khanlarkhani and Masoud Najafi. Melatonin and cancer: from promotion of genomic stability to use in cancer. *Journal of Cellular Physiology. Published.*
41. Masoud Najafi, Bagher Farhood, **Keywan Mortezaee**. Metformin as a radiation modifier; implications to normal tissue protection and tumor sensitization. *Current Molecular Pharmacology. Published.*
42. Nasser Hashemi Goradel, Bagher Farhood, **Keywan Mortezaee**, Neda Khanlarkhani and Masoud Najafi. *Fusobacterium nucleatum* and colorectal cancer: mechanistic overview. *Journal of Cellular Physiology. Published.*
43. Masoud Najafi, Bagher Farhood and Keywan Mortezaee. Contribution of regulatory T cells (Tregs) to cancer: a review. *Journal of Cellular Physiology. Published.*
44. Bagher Farhood, **Keywan Mortezaee**, Nasser Hashemi Goradel, Neda Khanlarkhani, Ensieh Salehi⁵, Maryam Shabani Nashtaei, Masoud Najafi, Amirhossein Sahebkar. Curcumin as an anti-inflammatory agent: Implications to radiotherapy and chemotherapy. *Journal of Cellular Physiology. Published.*
45. Bagher Farhood, **Keywan Mortezaee**, Hamed Haghi Aminjan, Neda Khanlarkhani, Ensieh Salehi⁵, Maryam Shabani Nashtaei, Masoud Najafi, Amirhossein Sahebkar. A systematic review of radiation - induced testicular toxicities following radiotherapy for prostate cancer. *Journal of Cellular Physiology. Published.*
46. Soheila Madadi, Parichehr Pasbakhsh¹, Fatemeh Tahmasebi, **Keywan Mortezaee**, Maryam Khanehzad, Fatemeh Beigi Boroujeni, Golaleh Noorzehi & Iraj Ragerdi Kashani. Astrocyte ablation induced by La-aminoadipate (L-AAA) potentiates remyelination in a cuprizone demyelinating mouse model. *Met Brain Dis. Published.*
47. Masoud Najafi, Bagher Farhood and **Keywan Mortezaee***. Cancer stem cells (CSCs) in cancer progression and therapy. *Journal of Cellular Physiology. Published.*

48. Masoud Najafi, **Keywan Mortezaee*** and Reza Ahadi. Cancer stem cell (a)symmetry & plasticity: Tumorigenesis and therapy relevance. *Life Sci. Published.*
49. Fatemeh Tahmasebi, Parichehr Pasbakhsh, **Keywan Mortezaee**, Soheila Madadi, Shirin Barati and Iraj Ragerdi Kashani. Effect of the CSF1R inhibitor PLX3397 on remyelination of corpus callosum in a cuprizone-induced demyelination mouse model. *Journal of Cellular Biochemistry. Published.*
50. Bagher Farhood, Masoud Najafi and **Keywan Mortezaee***. CD8+ cytotoxic T lymphocytes in cancer immunotherapy: A review. *Journal of Cellular Physiology. Published.*
51. **Keywan Mortezaee**, Ensieh Salehi, Hanifeh Mirtavoos-mahyari, Elahe Motevaseli, Masoud Najafi, Bagher Farhood, Rhonda J. Rosengren and Amirhossein Sahebkar. Mechanisms of apoptosis modulation by curcumin: Implications for cancer therapy. *Journal of Cellular Physiology. Published.*
52. Masoud Najafi, Amirhossein Ahmadi and **Keywan Mortezaee**. Extracellular-signal-regulated kinase/mitogen-activated protein kinase signaling as a target for cancer therapy: an updated review. *Cell Biochemistry and Function. Published.*
53. **Keywan Mortezaee**, Masoud Najafi, Bagher Farhood, Amirhossein Ahmadi, Yaiza Potes, Dheyauldeen Shabeeb, Ahmed Elejo Musa. Modulation of apoptosis by melatonin for improving cancer treatment efficiency: An updated review. *Life Sciences. Published.*
54. **Keywan Mortezaee**, Nasser Hashemi Goradel, Peyman Amini, Dheyauldeen Shabeeb, Ahmed Elejo Musa, Masoud Najafi and Bagher Farhood. Nicotinamide oxidase as a target for modulation of radiation response; implications to carcinogenesis and radiotherapy. *Current Molecular Pharmacology. Published.*
55. Nasser Hashemi Goradel, Nasir Mohajel, Ziba Veisi Malekshahi, Samira Jahangiri, Masoud Najafi, Bagher Farhood, **Keywan Mortezaee**, Babak Negahdari and Arash Arashkia. Oncolytic adenovirus: A tool for cancer therapy in combination with other therapeutic approaches. *Journal of Cellular Physiology. Published.*
56. Mahboubeh Mousavi, Azim Hedayatpour, **Keywan Mortezaee**, Yousef Mohamadi, Farid Abolhassani & Gholamreza Hassanzadeh. Schwann cell transplantation exerts neuroprotective roles in rat model of spinal cord injury by combating inflammasome activation and improving motor recovery and remyelination. *Metabolic Brain Disease. Published.*

57. Bagher Farhood, **Keywan Mortezaee**, Elahe Motevaseli, Hanifeh Mirtavoos-Mahyari, Dheyauldeen Shabeeb, Ahmed Elejo Musa, Nafiseh Sadat Sanikhani, Masoud Najafi and Amirhossein Ahmadi. Selenium as an adjuvant for modification of radiation response. *Journal of Cellular Physiology. Published.*
58. Amirhossein Ahmadi, Masoud Najafi, Bagher Farhood and **Keywan Mortezaee***. Transforming growth factor- β signaling: Tumorigenesis and targeting for cancer therapy. *Journal of Cellular Physiology. Published.*
59. **Keywan Mortezaee**, Amirhossein Ahmadi, Hamed Haghi-Aminjan, Neda Khanlarkhani, Ensieh Salehi3 | Maryam Shabani Nashtaei, Bagher Farhood, Masoud Najafi and Amirhossein Sahebkar. Thyroid function following breast cancer chemotherapy: A systematic review. *Journal of Cellular Physiology. Published.*
60. Mohammad Taghi Joghataei, Amir Hosseini, Javad Mohajer Ansari, Ehsan Golchini, Zeinab Namjoo, **Keywan Mortezaee**, Ebrahim Pirasteh, Amirhossein Dehghani and Saeid Nassiri. Variations in the Anatomy of Sphenoid Sinus: A Computed Tomography Investigation. *Journal of Pharmaceutical Research International. Published.*
61. Masoud Najafi, **Keywan Mortezaee *** and Jamal Majidpoor. Cancer stem cell (CSC) resistance drivers. *Life Sciences. Published.*
62. Elham Seifali, Gholamreza Hassanzadeh, Marzieh Mahdavi-pour, **Keywan Mortezaee**, Ashraf Moeini, Leila Satarian, Faezeh Shekari, Abdoreza Nazari, Shabnam Movassaghi and Mohammad Akbari. Extracellular vesicles derived from human umbilical cord perivascular cells improve functional recovery in brain ischemic rat via inhibition of apoptosis. *Neuroscience letters. Under Review.*
63. Roya Aryanpour, **Keywan Mortezaee**, Parichehr Pasbakhsh, Zeinab Namjoo, Seyyed Behnamodin Jame'ei, Majid Ghareghani, Amir ghanbari, Mohammad Taghi Joghataei, Reza mahmoudi and Iraj Ragerdi Kashani. 17β -estradiol reduces demyelination in cuprizone-treated mice by promoting M2 microglia polarity and regulating NLRP3 inflammasome. *Cell Biology International. Under Review.*
64. Marzieh Mahdavi-por, Gholamreza Hassanzadeh, Elham Seifali, **Keywan Mortezaee**, Faezeh Shekari, Abdoreza Nazari, Hadi Aligholi, Parisa Sarkoohi, Shabnam Movassaghi and Mohammad

Akbari. Effects of neural progenitor cell (NPC)-derived extracellular vesicles (EVs) on neuronal protection and functional recovery in the rat model of middle cerebral artery occlusion (MCAO). *Cell Biochemistry and Function*. Under Review

65. Resveratrol against cancer: implications to use as an adjuvant for cancer therapy. *Accept*
66. **Keywan Mortezaee**, Wrya Parwaie, Elahe Motevaseli, Hanifeh Mirtavoos-Mahyari, Ahmed Eleojo Musa, Dheyauldeen Shabeeb, Farid Esmaily, Masoud Najafi, Bagher Farhood. Targets for improving tumor response to radiotherapy. *International immunopharmacology*. *Published*.
67. The pros and cons of the application of metal-based nanoparticles in biomedicine vs the redox interactions and genotoxicity: A critical comprehensive review. Final revision
68. **Keywan Mortezaee**, Masoud Najafi, Bagher Farhood, Amirhossein Ahmadi, Dheyauldeen Shabeeb, Ahmed Eleojo Musa. Genomic instability and carcinogenesis of heavy charged particles. *Medicina*. *Published*.
69. **Mortezaee K**, Najafi M, Samadian H, Barabadi H, Azarnezhad A, Ahmadi A. Redox interactions and genotoxicity of metal-based nanoparticles: a comprehensive review. *International Immunopharmacology*. *Published*.
70. The effect of prostate radiotherapy on testosterone level: a systematic review and meta-analysis. Under Review
71. Masoud Najafi, Bagher Farhood, **Keywan Mortezaee ***, Ebrahim Kharazinejad, Jamal Majidpoor and Reza Ahadi. Hypoxia: A critical driver of cancer stem cell (CSC) resistance. *Cancer Research and Clinical Oncology*. Under review.
72. Masoud Najafi and **Keywan Mortezaee ***. Core-to-edge transitioning of progressive tumoral cells under hypoxia: A critical review. *Cell Biology International*. Under Review.
73. **Keywan Mortezaee**, Yaiza Potes, Hanifeh Mirtavoos-mahyari, Elahe Motevaseli, Dheyauldeen Shabeeb, Ahmed Eleojo Musa, Bagher Farhood. Boosting immune system against cancer by melatonin: A mechanistic viewpoint. *Life Sciences*. Under Review.
74. Masoud Najafi, Mohammad Reza Hooshangi Shayesteh, **Keywan Mortezaee**, Bagher Farhood, Hamed Haghi-Aminjan. The role of melatonin on doxorubicin-induced cardiotoxicity: a systematic review. *Cancer Chemotherapy and Pharmacology*. Under Review.

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References:

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