Curriculum Vitae

Samideh Khoei
Professor of Biophysics

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Academic Background

Professor (2016-…)
Department of Medical Physics, School of Medicine, Iran University of Medical Science, Tehran, IRAN

Associate Professor (2012-2016)
Department of Medical Physics, School of Medicine, Iran University of Medical Science, Tehran, IRAN

Assistant Professor (2005-2012)
Department of Medical Physics, School of Medicine, Iran University of Medical Science, Tehran, IRAN

Postdoctoral Scholar (2004-2005)
Laboratory of Biophysics and Molecular Biology, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, IRAN

Ph.D. in Biophysics (1998-2004)
Institute of Biochemistry and Biophysics, University of Tehran
- Project "The effect of hyperthermia on level of HSP70 protein and expression of HSP70 mRNA in spheroid and monolayer cultures of DU145 prostate carcinoma cell line".

M.Sc. in Biophysics (1995-1998)
Institute of Biochemistry and Biophysics, University of Tehran
- Project "The effect of hyperthermia on the differentiation of LNCaP and PC-3 prostate carcinoma cell lines".

B.Sc. in Zoology (1987-1991)
Faculty of Science, University of Esfahan

Positions

Deputy of Basic Medical Sciences (2016-…)
School of Medicine, Iran University of Medical Science, Tehran, IRAN

Head of Medical Physics department (2013-…)
Medical Physics Department, School of Medicine, Iran University of Medical Science, Tehran, IRAN

Vice-President of Research at International Campus (2014-2015)
International Campus- Iran University of Medical Science, Tehran, IRAN

Deputy of Education of Medical Physics department (2010-2013)
Medical Physics Department, School of Medicine, Iran University of Medical Science, Tehran, IRAN

Research Officer (2003-2004)
Laboratory of Molecular Research. Faculty of Pharmacy, Tehran University of Medical Science, Tehran, IRAN.

Lecturer (2004-….)
Biotechnology Department, Faculty of Science, University of Tehran.
Institute of Biophysics and Biochemistry, University of Tehran
Biology Department, Faculty of Science, University of Tehran.

Teaching assistant (1998-2004)
Radiation Biophysics, a M.Sc. courses in Biophysics in Institute of Biochemistry and Biophysics, University of Tehran.

Laboratory supervision (1990-1991)
Laboratory of Biochemical Physics, Institute of Biochemistry and Biophysics, University of Tehran.

Teaching

Radiobiology, Radiation protection, Radiation Oncology, Nanobiotechnology, Radiation Biophysics, Biophysics, Radiation Biology, Medical Physics, Cell and Molecular Biology, Genetics

Research Projects Granted

- " Comparison between the effects of two different polymeric coated Nano-graphene oxide as 5-fluorouracil carrier and radiofrequency on colon cancer in vitro (2016-…)
- " Evaluation of the cytotoxic effects of PLGA coated nano-graphene oxide as 5-fluorouracil carrier and near infrared radiation in vivo (2016-…)

• ” Evaluation of the Hyperthermia Effect of Radio Frequency Waves and Ionizing Radiation on Response to Therapy- Induced by Nano Graphene Oxide as 5-Iodo-2-deoxyuridine on the Allograft model of C6 Glioma cells in rat (2016-…)

• ” Evaluation of the cytotoxic effects of hyperthermia and chitosan / polycaprolacton coated nano-graphene oxide as 5-fluorouracil carrier on CT26 colon canser cells in BALB/c mouse” (2016-…)

• ” Evaluation of the Combined Effect of Near-infrared waves and ionizing radiation on cellular damages induced by polymeric coated Graphene oxide nanostructures as 5-Iodo-2-deoxyuridine carrier in terms of in vitro” (2015-2017)

• ” An investigation of the bystander effect in human melanoma cancer cells (A375) by GRID radiotherapy in vitro” (2015-2016)

• ” Evaluation of the Combined Effects of hyperthermia and PEG/PCL polymeric coated magnetic nanoparticles as 5-Iodo-2-Deoxyuridine carrier on radiosensitivity of U87-MG human glioblastoma cancer cell lines” (2014-2016)

• ” Evaluation of the cytotoxic effects of hyperthermia and polymeric nanoparticles as 5 –fluorouracil carrier with and without iron oxide core in Spheroid model of colon cancer cell line HT-29” (2013-2015)

• ” study of the combination effect of hyperthermia and polymeric nanoparticles as 5 –fluorouracil carrier with and without iron oxide core on DNA damages in Spheroid model of colon cancer cell line HT-29” (2013-2015)

• ” Evaluation of the effect of Methoxyamine on 5-f luorouracil radiosensitivity in the presence of ionizing irradiation in colon cancer cells HT29” (2013-2015)

• ” The Effect of Gold Coated Magnetic Nanoparticles on Radiosensitivity and Thermosensitivity of Cancer Stem Cells of Human Prostate Carcinoma Cell Lines DU145” (2013- …)

• ” Evaluation of the effect of resveratrol on the cytogenetic damages due to IUdR radiosensitizer in spheroid culture model of glioblastoma with colonogenic and comet assay” (2012-2013)

• “An Investigation into the Effects of 5-fluorouracil Loaded PLGA Coated Paramagnetic Nanoparticles in the Presence of External Magnetic Field and Ultrasonic Waves on Xenograft Model of Human Prostate Carcinoma Cell Line DU145 in Nude Mice” (2012-2014)

• ” Evaluation of the cytotoxic and genotoxic effects of iron oxide nanoparticles as a carrier of 5-Fluorouracil and 6Mv X-ray radiation in DU 145 human prostate carcinoma cell lines” (2012- 2013)

• ” Evaluation of the cytotoxic and genotoxic effects of iron oxide nanoparticles as 5-Fluorouracil carrier DU 145 human prostate carcinoma cell line” (2011-2012)

• ” Study of the effect of radiation therapy by iron oxide nanoparticles on survival fraction of DU-145 human prostate carcinoma cell line in monolayer culture” (2010-2012)

- ” Evaluation of the combination effect of hyperthermia and polymeric nanoparticles as quercetin carrier on the expression of heat shock protein 70 in the spheroid model of prostate cancinoma cell line (DU 145)” (2008- 2010)
- ” Evaluation of the cytotoxic and genotoxic effects of hyperthermia and PEG-polyester-PEG nanoparticles as quercetin carrier on spheroid model of DU 145 human prostate carcinoma cell line” (2007-2009)
- ” Evaluation the effect of 2ME2 and gamma radiation on the level of the cytogenetic damages induced by Iudr in spheroid model of glioblastoma cell line using alkaline comet assay” (2007-2009)
- "Study of the neuroprotective role of PEG–polyester–PEG nanoparticles as quercetin carrier on 6-hydroxydopamine-induced apoptosis in mouse dopaminergic neurons” (2007-2009)
- ” Preparation of thermo sensitive and magnetic smart polymers, loading of their nanoparticles with 5-Fluorouracil and investigation on the effect of loaded nanoparticles on DU145 human prostate carcinoma cell line” (2007- 2011)
- ” Design of a two dimensional gel analyzer software” (2005-2007)
- "The effect of hyperthermia and Quercetin on heat shock protein 70 expression in spheroid culture model of prostate carcinoma cell line DU 145" (2005-2007)
- "Effects of Phospho-organic toxics on Workers of Pesticide Factory", (2003-2004)
- "The effect of hyperthermia on level of HSP70 protein and expression of HSP70 mRNA in spheroid and monolayer cultures of DU145 prostate carcinoma cell line". (1998-2003)
- "The effect of hyperthermia on the differentiation of LNCaP and PC-3 prostate carcinoma cell lines". (1996-1998)

Laboratory Experiences

- Synthesis of polymeric and iron oxide nanoparticles
- DNA and RNA and Protein Extraction and purification
- Gel Electrophoresis
- Prokaryotic and Eukaryotic Cell Culture
- Comet Assay
- Micronucleus Assay
- RT-PCR
- ELISA
- ImmunoBlotting
- Immunohistochemistry
- Immunocytochemistry

Memberships

- Iranian Environmental Mutagen Society, IRAN
- International Clinical Hyperthermia Society, USA
- Biophysical Society, USA
- Biological Society, IRAN
- Medical Physics Society, IRAN

Publications

Articles

1. Eynali S., **Khoei S.**, Khoee S., Esmaelbeygi E. (2017) Evaluation of the Cytotoxic Effects of Hyperthermia and 5-Fluorouracil Loaded Magnetic Nanoparticles on Human Colon Cancer Cell Line HT-29. *International Journal of Hyperthermia*. 33(3): 327-35.
2. Mousavi M., Nedaei H.A., **Khoei S.**, Eynali S., Khoshgard K., Robatjazi M., Iraji Rad R. (2017) Enhancement of radiosensitivity of melanoma cells by pegylated gold nanoparticles under irradiation of megavoltage electrons. *International Journal of Radiation Biology*, 93(2): 214-21.
3. **Khoei S.**, Poorabdollahi R., Mostaar A., Faeghi F. (2017) Methoxyamine Enhances 5-Fluorouracil-Induced Radiosensitization in Colon Cancer Cell Line HT29. *Cell Journal*. 19(2): 283-91.
4. Mahdavi S.R., Esfahani A.J., Shiran M.B., **Khoei S.,** Estiri N. (2017) Enhanced DNA Damages of Human Prostate Cancer Cells Induced by Radiofrequency Capacitive Hyperthermia Pre-and Post X-rays: 6 MV versus 15 MV. *Cell Journal*. 19 (Suppl 1): 79-85.
5. Esfahani A.J., Mahdavi S.R., Shiran M.B., **Khoei S.** (2017) The Role of Radiofrequency Hyperthermia in The Radiosensitization of A Human Prostate Cancer Cell Line. *Cell Journal*. 19 (Suppl 1): 86-95.
6. Abed Z., Beik J., Khoee S., **Khoei S.**, Shakeri-Zadeh A., Shiran M.B. (2016) Effects of Ultrasound Irradiation on the Release Profile of 5-fluorouracil from Magnetic Polylactic co-glycolic Acid Nanocapsules. *Journal of Biomedical Physics and Engineering*. 6(3):
7. Keyvan Rad J., Mahdavian A.R., **Khoei S**., Janati Esfahani A. (2016) FRET-based acrylic nanoparticles with dual-color photoswitchable properties in DU145 human prostate cancer cell line labeling. *Polymer*. 98 (263-9).
8. Refahi S., Minaei B., Haddadi G.H., **Khoei S.**, Bakhtiarian A., Pourissa M., Takavar A. (2016) Histopathological Evaluation of the Effectiveness of Glycyrrhizic Acid as a Radioprotector Against the Development of Radiation-Induced Lung Fibrosis. *Iranian Journal of Radiology* 13 (2): e21012
9. Naseroleslami M., Parivar K., **Khoei S.**, Aboutaleb N. (2016) MR imaging of human-derived amniotic membrane stem cells using PEGylated SPIONs. *Cell Journal*. 18(3): 332-9.
10. **Khoei S.**, Shoja M., Mostaar A., Faeghi F. (2016) Effects of resveratrol and methoxyamine on the radiosensitivity of iododeoxyuridine in U87MG glioblastoma cell line. *Experimental Biology and Medicine*. 241(11):1229-36.
11. Refahi S., Minaei B., Hadadi G.H., **Khoei S.**, Bakhtiyarian A., Pourissa M., Takavar A. (2016) Histopathological Evaluation of the Effectiveness of Glycyrrhizic Acid as a Radioprotector Against the Development of Radiation-Induced Lung Fibrosis. *Iranian Journal of Radiology*. In press.

12. Naseroleslami M., Parivar K., **Khoei S.**, Aboutaleb N. (2015) Optimal concentration of PEG-coated Fe_3O_4 nanoparticles for generation of reactive oxygen species in human-derived amniotic membrane stem cells. *Advanced Studies in Biology*. 7(8): 377-88.
13. Esmaelbeygi E., **Khoei S.**, Khoee S., Eynali S. (2015) Role of iron oxide core of polymeric nanoparticles in the thermosensitivity of colon cancer cell line HT-29. *International Journal of Hyperthermia*. 31(5):489-97.
14. Meidanchi A., Akhavan O., **Khoei S.**, Shokri A.A., Hajikarimi Z., Khansari N. (2015) ZnFe2O4 nanoparticles as radiosensitizers in radiotherapy of human prostate cancer cells. *Materials Science and Engineering C*. 46, 394-399.
15. Shakeri-Zadeh A., Khoee S., Shiran M.B., Sharifi A.M., **Khoei S.** (2015) Synergistic effects of magnetic drug targeting using a newly developed nanocapsule and tumor irradiation by ultrasound on CT26 tumors in BALB/c mice. *Journal of Materials Chemistry B*. 3, 1879-1887.
16. Firouzi F., **Khoei S.,** Mirzaei H.R. (2015) Role of Resveratrol on the Cytotoxic Effects and DNA damages of Iododeoxyuridine and Megavoltage Radiation in Spheroid Culture of U87MG Glioblastoma Cell Line. *General Physiology and Biophysics*. 34: 43-50.
17. Shakeri-Zadeh A., **Khoei S.,** Khoee S., Sharifi A.M., Shiran M.B. (2015) Combination of Ultrasound and Newly Synthesized Magnetic Nanocapsules Affects the Temperature Profile of CT26 Tumors in BALB/c Mice. *Journal of Medical Ultrasonics*. 42: 9-16.
18. Heshmati M., Arbabi Bidgoli S., **Khoei S.,** Rezayat S.M., Parivar K. (2015) Mutagenic Effects of Nanosilver Consumer Products: a new Approach to Physicochemical Properties. *International Journal of Pharmaceutical Research*. 14 (4): 1171-1180.
19. Cheraghi S., Nikoofar P., Fadavi P., Bakhshandeh M., **Khoie S.,** Jazayeri E., Farahani S., Mohebbi A., Vasheghani M., Zare M., Nikoofar A., Mahdavi S.R. (2015) Short-term cohort study on sensorineural hearing changes in head and neck radiotherapy. *Medical Oncology*. 32: 200.
20. Hajikarimi Z., **Khoei S.**, Khoee S., Mahdavi S.R. (2014) Evaluation of the Cytotoxic Effects of PLGA Coated Iron Oxide Nanoparticles as a Carrier of 5-Fluorouracil and Mega-Voltage X-Ray Radiation in DU145 Prostate Cancer Cell Line. *IEEE Transactions on Nanobioscience*. 13 (4), 403-408.
21. Shakeri-Zadeh A., Shiran M.B., Khoee S., Sharifi A.M., Ghaznavi H., **Khoei S.** (2014) A new magnetic nanocapsule containing 5-fluorouracil: In vivo drug release, anti-tumor and pro-apoptotic effects on CT26 cells allograft model. *Journal of Biomaterials Application*. 29 (4), 548-556.
22. Elmi A., Kajbafzadeh A.M., Oghabian M.A., Talab S.S., Tourchi A., **Khoei S.,** Rafie B., Esfahani S.B. (2014) Anal Sphincter Repair With Muscle Progenitor

Cell Transplantation: Serial Assessment With Iron Oxide–Enhanced MRI. *American Journal of Roentgenology* 202 (3), 619-625.

23. Akhavan O., Meidanchi A., Ghaderi E., **Khoei S.** (2014) Zinc ferrite spinel-graphene in magneto-photothermal therapy of cancer. *Journal of Materials Chemistry* B 2 (21), 3306-3314.
24. **Khoei S**., Mahdavi S.R., Fakhimikabir H., Shakeri-Zadeh A., Hashemian A. (2014) The Role of Iron Oxide Nanoparticles in the Radiosensitization of Human Prostate Carcinoma Cell Line DU145 at Megavoltage Radiation Energies. *International Journal of Radiation Biology*. 90 (5): 351-356.
25. Shakeri-Zadeh A., **Khoei S.,** Khoee S., Sharifi A.M. and Shiran M.B. (2013) Targeted, Monitored, and Controlled Chemotherapy: A Multimodal Nanotechnology-Based Approach against Cancer. *ISRN Nanotechnology*. ID 629510.
26. Jafarian F., Shakeri-Zadeh A., **Khoei S.,** Ghadiri H. and Shiran M.B. (2013) Thermal Distribution of Ultrasound Waves in Prostate Tumor: Comparison of Computational Modeling with In Vivo Experiments. *ISRN Biomathemartics*. ID 428659.
27. Takavar A., Minaei B., Hadadi GH., **Khoei S.**, Refahi S., Behrouzkia Z. (2013) Late histopathological findings in the thoracic irradiation: A preliminary study in the animal model. *Life Science Journal* 10 (7s): 583-585.
28. **Khoei S.,** Azarian M. and Rafipour M. (2013) The Effect of Quercetin and Hyperthermia on spheroid model of DU145 Prostate Carcinoma Cell line. *Journal of Paramedical Sciences*. 4 (2): 82-89.
29. Mohammadi S., **Khoei S.** and Mahdavi S.R. (2012) The Combination Effect of Poly (lactic-co-glycolic acid) Coated Iron Oxide Nanoparticles as 5-Fluorouracil Carrier and X-Ray on the Level of DNA Damages in the DU 145 Human Prostate Carcinoma Cell Line. *Journal of Bionanoscience*. 6: 23-27.
30. Mousavie Anijdan S.H., Shirazi A., Mahdavi S.R., Ezzati A., Mofid B., **Khoei S.,** Zarrinfard M.A. (2012) Megavoltage dose enhancement of gold nanoparticles for different geometric set-ups: Measurements and Monte Carlo simulation. *Iran. J. Radiat. Res*. 10 (3-4): 183-186.
31. Nezamtaheri M.S., **Khoei S.,** Nikoofar A.R., Goliaei B. (2012) Comparison of radiosensitizing effect of Resveratrol on monolayer and spheroid culture of DU145 prostatic cell line. *Iran. J. Radiat. Res*. 10 (3-4): 177-181.
32. **Khoei S.**, Azarian M. and Khoee S. (2012) Effect of Hyperthermia and Triblock Copolymeric Nanoparticles as Quercetin Carrier on DU145 Prostate Cancer Cells. *Current Nanoscience*. 8: 690-696.
33. Zarbakhsh S, Bakhtiyari M, Faghihi A, Joghataei MT, Mehdizadeh M, **Khoei S**, Mansouri K, Yousefi B, Pirhajati V, Moradi F, Shirmohammadi S, (2012) The Effects of Schwann and Bone Marrow Stromal Stem Cells on Sciatic Nerve Injury in Rat: A Comparison of Functional Recovery. *Cell Journal*. 14(1): 39-46.

34. Oghabian MA, Jeddi-Tehrani M, Zolfaghari A, Shamsipour F, **Khoei S**, and Amanpour S, (2011) Detectability of Her2 Positive Tumors Using Monoclonal Antibody Conjugated Iron Oxide Nanoparticles in MRI. *Journal of Nanoscience and Nanotechnology*. 11(6): 5340-5344.
35. **Khoei S**, Delfan S, Neshasteh-Riz A, Mahdavi SR. (2011) Evaluation of the Combined Effect of 2ME2 and ^{60}Co on the Inducement of DNA Damage by IUdR in a Spheroid Model of the U87MG Glioblastoma Cancer Cell Line Using Alkaline Comet Assay. Cell Journal (Yakhteh) 13(2): 83-90.
36. Bakhtiary M, Marzban M, Mehdizadeh M, Joghataei MT, **Khoei S**, Tondar M, Pirhajati Mahabadi V, Laribi B, Ebrahimi A, Hashemian SJ, Modiry N, Mehrabi S, (2011) Combination of Stem Cell Mobilized by Granulocyte-Colony Stimulating Factor and Human Umbilical Cord Matrix Stem Cell: Therapy of Traumatic Brain Injury in Rats. *Iranian Journal of Basic Medical Sciences*. 14(4): 327-339.
37. Oghabian MA, Gharehaghaji N, Amirmohseni S, Khoei S, Guiti M, (2010) Detection sensitivity of lymph nodes of various sizes using USPIO nanoparticles in magnetic resonance imaging. *Nanomedicine*. 6: 496-499.
38. Bakhtiary M, Marzban M, Mehdizadeh M, Joghataei MT, **Khoei S**, Pirhajati V, Hashemian SJ, Laribi B, Tondar M, Moshkforoush A, (2010) Comparison of Transplantation of Bone Marrow Stromal Cells (BMSC) and Stem Cell Mobilization by Granulocyte Colony Stimulating Factor after Traumatic Brain Injury in Rat. *Iranian Biomedical Journal*. 14(4): 142-149.
39. Neshasteh-Riz A., Babaloui S., **Khoei S.** (2010) Evaluation of combination effects of 2-methoxyestradiol and methoxyamine on IUdR induced radiosensitization in glioma spheroids. *Iranian Journal of Radiation Research*. 7(4): 211-216.
40. Marzban M, Bakhtiary M, Mehdizadeh M, Joghataei MT, **Khoei S**, Pirhajati V, Hashemian SJ, Tondar M, Laribi B, Ebrahimi A, Abhari B, (2010) Intravenous Injection of Human Umbilical Cord Matrix Stem Cell (Wharton Jelly Stem Cell) Provides Functional Recovery in a Rat Model of Traumatic Brain Injury. *Yakhteh Medical Journal*. 12(1): 86-96.
41. **Khoei S,** Fazeli GR, Amerizadeh A, Eslimi D, Goliaei B (2010) Elimination of Enhanced Thermal Resistance of Spheroid Culture Model of Prostate Carcinoma Cell Line by Inhibitors of Hsp70 Induction. *Yakhteh Medical Journal*. 12(1): 105-112.
42. Taghizadeh M, **Khoei S**, Nikoofar A.R., Ghamsari L., Goliaei B. (2009) The role of Rad51 protein in radioresistance of spheroid model of DU145 prostate carcinoma cell line. *Iranian Journal of Radiation Research*. 7(1): 19-25.
43. Marzban M., Bakhtiari M., Mehdizadeh M., Joghataei MT., **Khoei S.,** Pirhajati V., Ebrahimi A. (2009) Mobilization of stem cells with granulocyte- colony

stimulating factor promotes recovery after traumatic brain injury in rat. *Iranian Journal of Neuroscience*. 1(2): 53-60.

44. Delaviz H., Joghataei MT., Mehdizadeh M., Bakhtiari M., Nobakht M., **Khoei S.** (2008) Transplantation of Olfactory Mucosa Improve Functional Recovery and Axonal. *Iranian Biomedical Journal*. 12(4): 197-202.
45. Eslimi D, Sepehri H, Rassouli Y, **Khoei S**, Goliaei B. (2008) Pectic Acid Effects on Prolactin Secretion in GH3/B6 Rat Pituitary Cell Line. *Iranian Biomedical Journal*. 12(3): 167-172.
46. Delaviz H., Joghataei MT., Mehdzadeh M., Bakhtiari M., Nobakht M., **Khoei S.,** Rouzbehi A., (2008) The Effect of Fetal Olfactory Mucosa on Tissue Sparing and Locomotor Recovery after Spinal Cord Hemisection in Rats. *Yakhteh Medical Journal*. 10(3): 185-192.
47. Neshasteh-Riz A., Saki M., **Khoei S.** (2008) Cytogenetic Damages from Iododeoxyuridine-induced Radiosensitivity with and without Methoxyamine in human Glioblastoma Spheroids. *Yakhteh Medical Journal*. 10(1): 57-64.
48. Neshasteh-Riz A., Bishesari N., **Khoei S.** (2008) Evaluation of the Extent of Cytogenetic Damages induced by Ionizing Radiation at Different Interavals of Cell Incubation with Iudr in Spheroid Model of Glioblastoma Cell line Using Comet Assay. *Iranian Journal of Medical Science*. 15(58):177-186.
49. Fazeli Gh.R.; **Khoei S.**; Nikoofar A.R. and Goliaei B. (2007) Reduced DNA damage in tumor spheroids compared to monolayer cultures exposed to ionizing radiation. *Iranian Journal of Radiation Research*. 5(2): 63-69.
50. Sharif-Khatibi L.; Kariminia A.; **Khoei S.**; Goliaei B. (2007) Hyperthermia induces differentiation without apoptosis in permissive temperatures in human erythroleukaemia cells. *International Journal of Hyperthermia* 23(8): 645-655.
51. Neshasteh-Riz A., Parach A.A., **Khoei S.** (2007) Evaluation of Iudr radiosensitization in multicellular glioma spheroids using comet assay. *Iranian Journal of Medical Science*. 14(56): 197-207.
52. Shadnia Sh., Azizi E, Hosseini R., **Khoei S.**, Fouladdel S., Pajoumand A., Jalali N., Abdollahi M. Evaluation of oxidative stress and genotoxicity in organophosphorus insecticide formulators. (2005) *Human & Experimental Toxicology*. 24: 1-7.
53. **Khoei S.**, Goliaei B., Neshasteh-Riz A., and Deizadji A.(2004) The role of Heat Shock Protein 70 in the thermoresistance of prostate cancer cell line spheroids. *FEBS Letters* 561: 144-148.
54. **Khoei S**., Goliaei B., and Neshasteh-Riz A., (2004) Differential thermo-resistance of multicellular tumor spheroids. *Iranian Journal of Science and Technology*. 28: 107-116.
55. Goliaei B., and **Khoei S.**, (2000) Arrhenius Analysis of the Thermal Dose Response Curve from Human Prostatic Cancer Cell Lines. *Fourth Congress of Iranian Medical Physics*. 226-230.

Conference papers

1. **Khoei S.**, Khoee S., Pourabedi A. (2014) The role of PEG-PBA-PEG nanoparticles as quercetin carrier in the thermosensitivity of prostate cancer cell line spheroids. *International Conference on Nanostructures (ICNS5)*. Kish-Iran
2. **Khoei S.** (2013) In vitro and In vivo Methods for Nanotoxicity Assessment. *Professional Symposium on Nanosafety in Human and Environment*. Iran
3. **Khoei S.**, Mahdavi S.R., Fakhimikabir H. (2012) the role of iron oxide nanoparticles in the radiosensitization of human prostate carcinoma cell line at megavoltage radiation energies. *World Congress on Medical Physics and Biomedical Engineering*. TH.13/02.3P-01. Beijing- China.
4. **Khoei S**, Azarian M, Khoee S, Mahdavian AR, (2012) evaluation of the cytotoxic effect of PLGA coated iron oxide nanoparticles as 5-fluorouracil carrier on Du 145 human prostate carcinoma cell line. *International Conference on Enabling Science and Nanotechnology*. OB-07-02 ID 14. Malaysia.
5. Fakhimikabir H, **Khoei S**, Rabi Mahdavi S, Shakeri-Zadeh A, (2011) an overview of medical applications of magnetic nanoparticles in modern medicine. *The 1st MEFOMP International conference of medical physics*. S119. *Iran*
6. **Khoei S**, Azarian M, Khoee S, (2010) Evaluation of the genotoxic effect of PEG-Polyester-PEG nanoparticles as quercetin carrier on spheroid model of DU 145 human prostate carcinoma cell line. *2nd Asian Conference on Environmental Mutagens*. 122. *Thailand*.
7. **Khoei S**, (2010) Inhibition of drug addiction using polymeric nanoparticles as a carrier of methadone. *4th Seminar of the biology of addiction*. 26. *Iran*
8. **Khoei S**, Arjmand MR, Rafipour M (2010) Determining dosage of 2ME2 drug to cause radiosensitivity in U87MG cells. *9th Congress of Iranian Medical Physics*. 126. *Iran*
9. **Khoei S**, Azarian M, (2010) Evaluation of the genotoxic effects of hyperthermia and PEG-Polyester-PEG nanoparticles as quercetin carrier on spheroid model of DU145 prostate carcinoma cell line. *9th Congress of Iranian Medical Physics*. 128. *Iran*
10. Neshasteh-Riz A., Babaloui S, **Khoei S**, (2010) Evaluation of Combination effects of 2-Methoxyestradiol and methoxyamine on IUdR-induced radiosensitization in glioma spheroid. *9th Congress of Iranian Medical Physics*. 128. *Iran*
11. **Khoei S**, Delfan S, Neshasteh-Riz A, (2010) Evaluation of simultaneous effect of 2ME2 and 60Co on the cytogenetic damages of Iudr in spheroid model of glioblastoma cell lines by alkaline comet assay. *9th Congress of Iranian Medical Physics*. 143. *Iran*

12. **Khoei S.**, Neshasteh-Riz A., Saki M., (2008) Evaluation of Cytogenetic Damages from Inhibition of Base Excision Repair fallowing IUdR-induced Radiosensitization in human Glioblastoma Spheroids. *18th ICMP*. 111. *Dubai*
13. Neshasteh-Riz A., Parach A.A., **Khoei S.** (2008) Evaluation of Iudr radiosensitization in multicellular glioma spheroids using comet assay. *18th ICMP*. 111. *Dubai*
14. **Khoei S**. (2007) Nanotechnology and cancer. 1st conference in nanomedicine. *Iran*
15. Goliaei B, Sharif Khatibi L, Kariminia A, Heidari S, **Khoei S.** Hyperthermia induces differentiation and apoptosis in K562 erythroleukemic cell line in different range of temperature (mild and severe treatment conditions). 35th Annual Scientific Meeting of the International Society for Experimental Hematology. Published in *Experimental Hematology*. 2006: 34(9) S1:68. *USA*
16. Fazeli GR, **Khoei S**, Nikoofar , Goliaei B., The study of gamma irradiation on colonogenicity in spheroid and monolayer culture of human prostate carcinoma DU 145. *14th National & 2nd International Conference of Biology*. 2006;329. *Iran*
17. **Khoei S.**, Amerizadeh A., Eslimi D., Goliaei B. Elimination of Enhanced Thermoresistance of Multicellular Tumor Spheroid by Inhibitors of Hsp70 Induction. 31st FEBS congress published in The *FEBS Journal* 2006, 273(S1): 322.*Turkey*
18. **Khoei S**., Amerizadeh A., Eslimi D., Goliaei B. Inhibition of heat shock protein induction by the flavonoid quercetin in a tumor spheroid model of DU 145 prostate carcinoma cell line. 1st International congress of Biochemistry & Molecular Biology published in special issue of *Clinical Biochemistry* 2005, 38(9): 839. *Iran*
19. Amerizadeh A., **Khoei S.,** Goliaei B. The effect of Hyperthermia on Colonogenicity of DU 145 Cell Line in Monolayer and Spheroid Cell Cultures. 1st International congress of Biochemistry & Molecular Biology published in special issue of *Iranian Journal of Biochemistry and Molecular Biology* 2005,.1(1): 81. *Iran*
20. Delphi L, Sepehri H, Rasouli Y, **Khoei S**, Rouhani A.H. The Effect of Beta Glucan on the Protein Secretion in GH3/B6 Cells. *17th Iranian Congress of Physiology & Pharmacology*. (2005) *Iran*
21. Amerizadeh A., **Khoei S.,** Goliaei B. The effect of Hyperthermia on Thermal Dose-Response Curves of DU 145 Human Prostate Carcinoma Cell Line in Monolayer and Spheroid Cultures. (2005). *France*
22. Amerizadeh A., **Khoei S.,** Goliaei B. The Effect of Hyperthermia on Colonogenicity of DU 145 cell line in Monolayer Culture. *EACR 18th Meeting of the European Association of Cancer Research*. (2004) *Austria*
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