

Published papers of the Medical Physics Department

No.	Title	Year
1	Analysis of physical dose enhancement in nano-scale for nanoparticle-based radiation therapy: a Cluster and endothelial cell model E Mansouri, A Mesbahi, P Yazdani Nanomedicine Journal 8 (1), 30-41	2021
2	A treatment planning system with new paradigms in the effectiveness and side-effect evaluation sections T Frometa-Castillo, A Pyakuryal, G Narayanasamy, A Mesbah	2021
3	Assessment of metallic nanoparticles as radioenhancers in gastric cancer therapy by Geant4 simulation and local effect model Batooei S, Moslehi A, Pirayesh Islamian J Nuclear Instruments and Methods in Physics Research Section B: Beam	2021
4	Imaging modalities in differential diagnosis of Parkinson's disease: opportunities and challenges T Mortezaazadeh, H Seyedarabi, B Mahmoudian, JP Islamian Egyptian Journal of Radiology and Nuclear Medicine 52 (79), 1-12	2021
5	Main approaches to enhance radiosensitization in cancer cells by nanoparticles: A systematic review BB Abdollahi, R Malekzadeh, FP Azar, F Salehnia, AR Naseri, ... Advanced pharmaceutical bulletin 11 (2), 212	2021
6	Exact location of sensorimotor cortex injury after photochemical modulation; evidence of stroke based on stereological and morphometric studies in mice M Shahi, A Abedelahi, D Mohammadnejad, R Rahbarghazi, SH Rasta, ... Lasers in medical science 36 (1), 91-98	2021
7	Evaluating the radioprotective effect of Cimetidine, IMOD, and hybrid radioprotectors agents: An in-vitro study S Rahgoshai, P Mehnati, MR Aghamiri, MH Borujeini, A Banaei, ... Applied Radiation and Isotopes, 109760	2021
8	Surface plasmon resonance signal enhancement based on erlotinib loaded magnetic nanoparticles for evaluation of its interaction with human lung cancer cells S Mohammadzadeh-Asl, A Aghanejad, M de la Guardia, JEN Dolatabadi, Optics & Laser Technology 133, 106521	2021

9	Enhancing the Accuracy of Vascular Embolism Volumetry Using Medical Imaging Software Ayatifard S, Pezeshkirad M, Amini M, Morovatdar N, Pirayesh Islamian J Journal of Babol University of Medical Sciences 22 (1), 195-202	2020
10	Metal-based nanoparticles as radio-sensitizer in gastric cancer therapy A Khajeali, R Khodadadi, JP Islamian Journal of Drug Delivery Science and Technology 56, 101576	2020
11	Review on Recent Developments in Collimators of Single Photon Emission Computed Tomography Imaging P Darkhor, JP Islamian Frontiers in Biomedical Technologies 7 (2), 125-133	2020
12	Folic acid modified bismuth sulfide and gold heterodimers for enhancing radiosensitization of mice tumors to X-ray radiation F Abhari, J Charmi, H Rezaeejam, Z Karimimoghaddam, H Nosrati, ... ACS Sustainable Chemistry & Engineering 8 (13), 5260-5269	2020
13	Automated Segmentation of Cardiac Fats Based on Extraction of Textural Features from Non-Contrast CT Images A Kazemi, A Keshtkar, S Rashidi, N Aslanabadi, B Khodadad, M Esmaili 2020 25th International Computer Conference, Computer Society of Iran (CSICC ...	2020
14	Segmentation of cardiac fats based on Gabor filters and relationship of adipose volume with coronary artery disease using FP-Growth algorithm in CT scans A Kazemi, A Keshtkar, S Rashidi, N Aslanabadi, B Khodadad, M Esmaili Biomedical Physics & Engineering Express 6 (5), 055009	2020
15	Kinetic and thermodynamic insights into interaction of erlotinib with epidermal growth factor receptor: Surface plasmon resonance and molecular docking approaches S Mohammadzadeh-Asl, A Aghanejad, R Yekta, M de la Guardia, ... International Journal of Biological Macromolecules 163, 954-958	2020
16	Application of personal non-lead nano-composite shields for radiation protection in diagnostic radiology: a systematic review and meta-analysis P Mehnati, R Malekzadeh, MY Sooteh Nanomedicine Journal 7 (3), 170-182	2020
17	Assessment of the effect of nano-composite shield on radiation risk prevention to Breast during computed tomography P Mehnati, R Malekzadeh, B Divband, M Yousefi Sooteh Iranian Journal of Radiology 17 (1)	2020

18	Assessment of Patient Dose with Special Look at Pediatrics during Cardiovascular Imaging P Mehnati, M Asghari Jafarabadi, L Danaee Journal of Biomedical Physics & Engineering 10 (1), 51	2020
19	Predicting the Risk of Radiation Pneumonitis and Pulmonary Function Changes after Breast Cancer Radiotherapy P Mehnati, M Ghorbanipoor, M Mohammadzadeh, B Nasiri Motlagh, ... Journal of Biomedical Physics and Engineering	2020
20	CT role in the assessment of existence of breast cancerous cells P Mehnati, M Jafari Tirtash, M Ghavami Journal of Biomedical Physics & Engineering 10 (3), 349	2020
21	Functional response difference between diabetic/normal cancerous patients to inflammatory cytokines and oxidative stresses after radiotherapy P Mehnati, B Baradaran, F Vahidian, S Nadiriazam Reports of Practical Oncology & Radiotherapy	2020
22	Low-Level Laser Irradiation Modulated Viability of Normal and Tumor Human Lymphocytes In Vitro HS Bagheri, SH Rasta, SM Mohammadi, AAR Rahimi, ... Journal of lasers in medical sciences 11 (2), 174	2020
23	Hyaluronic Acid and Regenerative Medicine: New Insights into the Stroke Therapy M Shahi, D Mohammadnejad, M Karimipour, SH Rasta, R Rahbarghazi, ... Current molecular medicine	2020
24	Correction to: Low-level laser irradiation at a high power intensity increased human endothelial cell exosome secretion via Wnt signaling HS Bagheri, M Mousavi, A Rezaikhsh, J Rezaie, SH Rasta, ... Lasers in medical science 35 (1), 295-296	2020
25	Low-level laser irradiation at a high power intensity increased human endothelial cell exosome secretion via Wnt signaling (vol, pg.) HS Bagheri, M Mousavi, A Rezaikhsh, J Rezaie, SH Rasta, ... LASERS IN MEDICAL SCIENCE 35 (1), 295-296	2020
26	Effects of transcranial photobiomodulation and methylene blue on biochemical and behavioral profiles in mice stress model R Meynaghizadeh-Zargar, S Sadigh-Eteghad, G Mohaddes, F Salehpour, ... Lasers in medical science 35 (3), 573-584	2020

27	An optimal method for measuring biomarkers: colorimetric optical image processing for determination of creatinine concentration using silver nanoparticles R Narimani, M Azizi, M Esmaeili, SH Rasta, HT Khosroshahi 3 Biotech 10 (10), 1-9	2020
28	An Update on Choroidal Layer Segmentation Methods in Optical Coherence Tomography Images: a Review R Alizadeh Eghtedar, M Esmaeili, AR Peyman, MR Akhlaghi, SH Rasta Journal of Biomedical Physics and Engineering	2020
29	Novel Chemo-Photothermal Therapy in Breast Cancer Using Methotrexate-Loaded Folic Acid Conjugated Au@ SiO ₂ Nanoparticles R Agabeigi, SH Rasta, M Rahmati-Yamchi, R Salehi, E Alizadeh Nanoscale Research Letters 15 (1), 1-14	2020
30	Cell phone and breast cancer: The cell phone-generated pulsed 217Hz ELF magnetic field increases angiogenesis A Mahna, SM Firoozabadi, A Atashi Iranian journal of medical physics	2020
31	Investigation of imaging properties of novel contrast agents based on gold, silver and bismuth nanoparticles in spectral computed tomography using Monte Carlo simulation M Sadeghian, P Akhlaghi, A Mesbahi Polish Journal of Medical Physics and Engineering 26 (1), 21-29	2020
32	Radiobiological Modeling of Acute Esophagitis Following Radiotherapy of Thorax and Head-Neck Tumors: A Comparison of Lyman Kutcher Burman with Equivalent Uniform Dose-Based Models A Ghasemi Jangjoo, B Nasiri, T Jafari-Koshki, M Okutan, A Mesbahi Iranian Journal of Medical Physics 17 (4), 225-234	2020
33	Bimodal magnetic resonance imaging-computed tomography nanoprobe: A Review F Bakhtiari-Asl, B Divband, A Mesbahi, N Gharehaghaji Nanomedicine Journal 7 (1), 1-12	2020
34	An overview on the effects of power frequency electromagnetic field exposure on the female reproduction system, pregnancy outcome and fetal development E Mansuori, A Alihemmati, A Mesbahi Journal of medicinal and chemical sciences 3 (1), 60-70	2020
35	Radiation protection characteristics of nano-concretes against photon and neutron beams A Mesbahi, E Mansouri, AG Jangjoo, HO Tekin Smart Nanoconcretes and Cement-Based Materials, 447-460	2020

36	Investigation of imaging properties of novel contrast agents based on gold, silver and bismuth nanoparticles in spectral computed tomography using Monte Carlo simulation M Sadeghian, P Akhlaghi, A Mesbahi Polish Journal of Medical Physics and Engineering 26 (1), 21-29	2020
37	Nanoscale dosimetric consequences around bismuth, gold, gadolinium, hafnium, and iridium nanoparticles irradiated by low energy photons A Mesbahi, E Mansouri, M Mohammadzadeh Polish Journal of Medical Physics and Engineering 26 (4), 225-234	2020
38	THE MATHEMATICAL, PROBABILISTIC AND COMPUTATIONAL GENERATORS OF DISCRETE PROBABILISTIC DISTRIBUTIONS APPLIED TO MEDICAL PHYSICS T Frometa-Castillo, AP Pyakuryal, A Mesbahi, A Wals-Zurita MEDICAL PHYSICS 8 (3)	2020
39	Computational Simulations of Similar Probabilistic Distributions to the Binomial and Poisson Distributions T Frometa-Castillo, A Pyakuryal, A Wals-Zurita, A Mesbahi Preprints	2020
40	Graphene quantum dots-coated bismuth nanoparticles for improved CT imaging and photothermal performance S Badrigilan, B Shaabani, NG Aghaji, A Mesbahi International Journal of Nanoscience 19 (01), 1850043	2020
41	Overview of ultraviolet-based methods used in polycyclic aromatic hydrocarbons analysis and measurement E Mansouri, V Yousefi, V Ebrahimi, S Eyvazi, MS Hejazi, M Mahdavi, ... Separation Science Plus 3 (4), 112-120	2020
42	MCNPX simulation for radiation dose absorption of anatomical regions and some organs EE Altunsoy, HO Tekin, A Mesbahi, I Akkurt Acta Physica Polonica A 137 (4), 561-565	2020
43	Predicting the Risk of Radiation Pneumonitis and Pulmonary Function Changes after Breast Cancer Radiotherapy P Mehnati, M Ghorbanipoor, M Mohammadzadeh, B Nasiri Motlagh, ... Journal of Biomedical Physics and Engineering	2020
44	Prediction of pituitary gland complications by LKB and log-logistic radiobiological models in 3D conformal radiation therapy of head and neck tumors S Shahbazi, B Nasiri, R Eghdam Zamiri, A Ghasemi Jangjoo, ... Iranian Journal of Medical Physics	2020

45	Radiation shielding features of ordinary and high-density concretes loaded with PbO micro and nanoparticles against high-energy photons K Verdipoor, A Mesbahi Iranian Journal of Medical Physics 17 (3), 205-212	2020
46	Biologically Effective Dose (BED) or Radiation Biological Effect (RBEf)? T Frometa-Castillo, A Pyakuryal, A Wals-Zurita, A Mesbahi Ionizing Radiation Measuremen	2020
47	In vitro and in vivo characteristics of doxorubicin-loaded cyclodextrine-based polyester modified gadolinium oxide nanoparticles: a versatile targeted theranostic ... T Mortezaadeh, E Gholibegloo, M Khoobi, NR Alam, S Haghgoo, ... Journal of drug targeting 28 (5), 533-546	2020
48	Proposals of models for new formulations of the current complication-free cure (P+) and uncomplicated tumor control probability (UTCP) concepts, and total normal tissue ... T Frometa-Castillo, A Pyakuryal, A Wals-Zurita, A Mesbahi International journal of radiation biology 96 (7), 847-850	2020
49	Shielding characteristics of nanocomposites for protection against X-and gamma rays in medical applications: effect of particle size, photon energy and nano-particle concentration E Mansouri, A Mesbahi, R Malekzadeh, A Mansouri Radiation and Environmental Biophysics, 1-18	2020
50	R Malekzadeh, V Sadeghi Zali, O Jahanbakhsh, M Okutan, A Mesbahi, The preparation and characterization of silicon-based composites doped with BaSO ₄ , WO ₃ , and PbO nanoparticles for shielding applications in PET and nuclear medicine facilities Nanomedicine Journal 7 (4), 324-334	2020
51	E Mansouri, A Mesbahi, R Malekzadeh, AG Janghjoo, M Okutan, A review on neutron shielding performance of nanocomposite materials International Journal of Radiation Research 18 (4), 611-622	2020
52	Y Afkham, A Mesbahi, A Alemi, F Zolfagharpour, N Jabbari, Design and fabrication of a Nano-based neutron shield for fast neutrons from medical linear accelerators in radiation therapy Radiation Oncology 15, 1-13	2020
53	AM Namdar, H Sadeghi-Bazargani, M Mohammadzadeh, A Mesbahi, Radiation-induced Hypothyroidism in Survivors of Head-and-Neck and Breast Cancers After 3-Dimensional Radiation Therapy: Dose-Response Models and Clinical-Dosimetric Predictors Reports of Radiotherapy and Oncology 7 (1)	2020

54	Mortezazadeh T, Gholibegloo E, Riyahi Alam N, Dehghani S, Haghgoo S, Ghanaati H, Khoobi M. Gadolinium (III) oxide nanoparticles coated with folic acid functionalized poly (β cyclodextrin-co-pentetic acid) as a biocompatible targeted nano-contrast agent for cancer diagnostic: In-Vitro and in-Vivo Study. <i>Magnetic Resonance Materials in Physics, Biology and Medicine</i> . 2019;23(1): 1-14	2019
55	Gholibegloo E, Mortezazadeh T, Salehian F, Ramazani A, Amanlou M, Khoobi M. Improved curcumin loading, release, solubility and toxicity by tuning the molar ratio of cross-linker to β cyclodextrin, <i>Carbohydrate Polymers</i> . 2019,213 (1)70-78.	2019
56	Farhood B, Raei B, Malekzadeh R, Shirvani M, Najafi M, Mortezazadeh T. A review of incidence and mortality of colorectal, lung, liver, thyroid, and bladder cancers in Iran and compared to other countries. <i>Contemp Oncol (Pozn)</i> 2019; 23 (1): 7-15	2019
57	Mehnati P, Malekzadeh R, Sooteh MY. Use of bismuth shield for protection of superficial radiosensitive organs in patients undergoing computed tomography: a literature review and meta-analysis. <i>Radiological physics and technology</i> . 2019; 12(1):6-25.	2019
58	P Yazdani, E Mansouri, S Eyvazi, V Yousefi, H Kahroba, MS Hejazi Mesbahi A, Vahideh Tarhriz, Mir Mahdi Abolghasemi. Layered double hydroxide nanoparticles as an appealing nanoparticle in gene/plasmid and drug delivery system in C2C12 myoblast cells. <i>Artificial cells, nanomedicine, and biotechnology</i> 47 (1), 436-442.	2019
59	A Shafae, Pirayesh Islamian J, D Zarei, M Mohammadi, K Nejati-Koshki, Induction of Apoptosis by a Combination of 2-Deoxyglucose and Metformin in Esophageal Squamous Cell Carcinoma by Targeting Cancer Cell Metabolism. <i>Iranian journal of medical sciences</i> 44 (2), 99.	2019
60	Mehnati P, MY Sooteh, Malekzadeh R, B Divband, S Refahi. Breast Conservation From Radiation Damage by Using Nano Bismuth Shields in Chest Computed Tomography Scan. <i>CRESCENT JOURNAL OF MEDICAL AND BIOLOGICAL SCIENCES</i> 6 (1), 46-50.	2019
61	Ebrahimi-Khankook A, Akhlaghi P, Vejdani-Noghreiyar AR. Studying the lung dose uncertainty during chest CT scans using phantoms with statistical lung volumes and shapes, <i>J. Radiol. Prot.</i> 2019; 39: 443-454.	2019
62	Amini I, Akhlaghi P. Evaluation of CT calibration curves from stoichiometric and tissue substitute methods according to tissue characteristics, <i>Radioprotection</i> . Accepted.	2019
63	Akhlaghi P, Atiyeh Ebrahimi-Khankook, Alireza Vejdani-Noghreyian, Keyhandokht Karimi-Shahri. Evaluation of polyurethane composite shields effect on reducing the risk of cataract induction at head CT scan, <i>Iranian Journal of Radiation Safety and Measurement</i> . Accepted.	2019

64	Mansouri E, Keshtkar A, A Khaki, E Keshtkar, A Khaki. Effects of Extremely Low Frequency Electromagnetic Fields and Simultaneous Treatment with Allium Cepa on Biochemical Parameters and Ultrastructure of Ovarian Tissues of Rats. Iranian Journal of Medical Physics 16(2), 158-65.	2019
65	Ali Khodadadi, Hassan A Nedaie, Mahdi Sadeghi, Mohammad R Ghassemi, Mesbahi A, Nooshin Banaee. Determination of the dose enhancement exclusively in tumor tissue due to the presence of GNPs. Applied Radiation and Isotopes 145, 39-46.	2019
66	Samireh Badrigilan, Behrouz Shaabani, Nahideh Gharehaghaji, Mesbahi A, Iron oxide/bismuth oxide nanocomposites coated by graphene quantum dots: "Three-in-one" theranostic agents for simultaneous CT/MR imaging-guided in vitro photothermal therapy. Photodiagnosis and photodynamic therapy 25, 504-514.	2019
67	L Zareei, B Divband, Mesbahi A, M Khatamian, A Kiani, N Gharehaghaji, A new potential contrast agent for magnetic resonance imaging: iron oxide-4A nanocomposite. Journal of Biomedical Physics and Engineering.	2019
68	R Ghanbarnezhad Farshi, Mesbahi A, M Johari, Ü Kara, N Gharehaghaji, Dosimetry of Critical Organs in Maxillofacial Imaging with Cone-beam Computed Tomography. Journal of biomedical physics & engineering 9 (1), 51.	2019
69	Homa Hayati, Mesbahi A, Impact of Photon Spectra on the Sensitivity of Polymer Gel Dosimetry by X-Ray Computed Tomography. Iranian Journal of Medical Physics 16 (1), 41-48.	2019
70	Emad Eshaghi, Saeed Sadigh-Eteghad, Gisou Mohaddes, Rasta SH. Transcranial photobiomodulation prevents anxiety and depression via changing serotonin and nitric oxide levels in brain of depression model mice: A study of three different doses of 810 nm laser. Lasers in surgery and medicine, 2019.	2019
71	Mostafa Akbarzadeh Khiavi, Azam Safary, Ayuob Aghanejad, Jaleh Barar, Rasta SH, Asal Golchin, Yadollah Omid, Mohammad Hossein Somi, Enzyme-conjugated gold nanoparticles for combined enzyme and photothermal therapy of colon cancer cells. Colloids and Surfaces A: Physicochem. Eng. Aspects,	2019
72	Malekzadeh R, P Mehnati, MY Sooteh, A Mesbahi. Influence of the size of nano-and microparticles and photon energy on mass attenuation coefficients of bismuth-silicon shields in diagnostic radiology. Radiological physics and technology. 2019;12 (3), 325-334.	2019
73	Mehnati P, M Arash, MS Zakerhamidi, M Ghavami. International Designing and construction of breast shields using silicone composite of Bismuth for chest CT. Journal of Radiation Research. 2109;17 (3), 491-496.	2019

74	Mehnati P, Biglari F. Interpretation of in-air output ratio of wedged fields in different measurement conditions. <i>J Med Signals Sens.</i> 2019 Apr-Jun; 9(2): 117–122.	2019
75	Salehpour F, Farajdokht F, Mahmoudi J, Erfani M, Farhoudi M, Karimi P, Rasta SH, Sadigh-Eteghad S, Hamblin MR, Gjedde A, Photobiomodulation and Coenzyme Q10 Treatments Attenuate Cognitive Impairment Associated with Model of Transient Global Brain Ischemia in Artificially Aged Mice. <i>Frontiers in Cellular Neuroscience</i> 13.	2019
76	Jangjoo AG, Ghiasi H, Mesbahi A. A Monte Carlo study on the radio-sensitization effect of gold nanoparticles in brachytherapy of prostate by ¹⁰³ Pd seeds. <i>Polish Journal of Medical Physics and Engineering.</i> 2019;25 (2), 87-92.	2019
77	Mesbahi A, Rasouli N, Mohammadzadeh M, Nasiri Motlagh B. Comparison of Radiobiological Models for Radiation Therapy Plans of Prostate Cancer: Three-dimensional Conformal versus Intensity modulated Radiation Therapy. <i>J Biomed Phys Eng.</i> 2019 Jun; 9(3): 267–278.	2019
78	Khodadadi A, Nedaie HA, Sadeghi M, Ghassemi MR, Mesbahi A. Determination of the dose enhancement exclusively in tumor tissue due to the presence of GNPs. <i>Applied Radiation and Isotopes.</i> 2019; 145, 39-46.	2019
79	Salehpour F, Farajdokht F, Cassano P, Sadigh-Eteghad S, Erfani M, Hamblin MR, Moghadam Salimi M, Karimi P, Rasta SH, Mahmoudi J, Near-infrared photobiomodulation combined with coenzyme Q10 for depression in a mouse model of restraint stress: reduction in oxidative stress, neuroinflammation, and apoptosis. <i>Brain research bulletin</i> 144, 213-222.	2019
80	P Mehnati, R Malekzadeh, MY Sooteh. <i>IJR.</i> 16 (3). Bismuth Composite Shield for Radiation Protection of Breast During Coronary CT Angiography. 2019;12, 6–25 (2019). https://doi.org/10.1007/s12194-019-00500-2	2019
81	Mohammadi F, Esmaeili M, Javadzadeh A, Tabar HA, Rasta SH. The computer based method to diabetic retinopathy assessment in retinal images: a review. <i>Electron J GenMed.</i> 2019;16(2):em114. https://doi.org/10.29333/ejgm/108619	2019
82	Parvaneh Darkhor, Babak Mahmoudian, Esmaeil Gharepapagh, Seyed Rasoul Zakavi, Jalil Pirayesh Islamian. A study on differentiation of extra-cardiac activity by Slit Slat collimation in Single Photon Emission Computed Tomography. <i>Iran J Nucl Med</i> 2018;26(1):22-29	2018
83	Mahdiyeh Shamsi, Jafar Majidi Zolbanin, Babak Mahmoudian, Naime Majidi Zolbanin, Leili Aghebati Maleki, Mohammad Asghari Jafarabadi, Jalil Pirayesh Islamian. A study on drug delivery tracing with radiolabeled mesoporous hydroxyapatite nanoparticles conjugated with 2DG/DOX for breast tumor cells.	2018
84	Parvaneh Darkhor, Babak Mahmoudian, Esmaeil Gharepapagh, Jalil Pirayesh Islamian Developments on collimators in single photon emission computed tomography. <i>Australasian Physical & Engineering Sciences in Medicine</i>	2018

85	Zahra Sattarpour, Behzad Baradaran, Alireza Farajollahi, Mohammad Asghari Jafarabadi, Vahid Khazeh, Jalil Pirayesh Islamian. Evaluation of an Immunomodulator Drug as a Radioprotectant on Human Peripheral Blood Lymphocytes In Vitro. Middle East Journal of Cancer; January 2018; 9(1): 35-40	2018
86	Farzad Salehpour, Fereshteh Farajdokht, Marjan Erfani, Saeed Sadigh-Eteghad, Siamak Sandoghchian Shotorbani, Michael R. Hamblin, Poursan Karimi, Seyed Hossein Rasta, Javad Mahmoudi .Transcranial near-infrared photobiomodulation attenuates memory impairment and hippocampal oxidative stress in sleep-deprived mice. Brain Research. 2018	2018
87	Farzad Salehpour, Michael R Hamblin, Javad Mahmoudi, Farzin Kamari, Saeed Sadigh-Eteghad, Seyed Hossein Rasta. Brain Photobiomodulation Therapy: a Narrative Review. Molecular Neurobiology.	2018
88	Bagheri, H.S., Mousavi, M., Rezaabakhsh, A., Rezaie, J., Rasta SH, Nourazarian, A., Avci, Ç.B.,Tajalli, H., Talebi, M., Oryan, A., Khaksar, M., Kazemi, M., Nassiri, S.M., Ghaderi, S., Bagca,B.G., Rahbarghazi, R., Sokullu, E. Low-level laser irradiation at a high power intensity increased human endothelial cell exosome secretion via Wnt signaling Lasers Med Sci (2018) 33: 1131.	2018
89	Mehnati P, M Arash, Akhlaghi P. Bismuth-silicon and bismuth-polyurethane composite shields for breast protection in chest computed tomography examinations. J Med Phys. 2018 Jan-ar; 43(1): 61–65.	2018
90	Mesbahi A., Ghiasi, H. Shielding properties of the ordinary concrete loaded with micro- and nano-particles against neutron and gamma radiations. Applied Radiation and Isotopes, 136, pp. 27-31.	2018
91	Nourmohammadi B, Mesbahi A. A review on the radiation therapy technologist received dose from induced activation in high-energy medical accelerators. Radiat Prot Dosimetry. 2018 Jun 1;179(4):333-348. doi: 10.1093/rpd/ncx292.	2018
92	Tarighatnia A, Mesbahi A, Alian AHM, Koleini E, Nader N. An analysis of operating physician and patient radiation exposure during radial coronary angioplasties. Radiat Prot Dosimetry. 2018 Mar 23. doi: 10.1093/rpd/ncy049.	2018
93	Verdipoor, K., Alemi, A., Mesbahi A. Photon mass attenuation coefficients of a silicon resin loaded with WO ₃ , PbO, and Bi ₂ O ₃ , Micro and Nano-particles for radiation shielding(2018) Radiation Physics and Chemistry, 147, pp. 85-90.	2018
94	Abbaspour S, Tanha K, Mahmoudian B, Asadi M, Pirayesh Islamian J. A Monte Carlo study on the performance evaluation of a parallel hole	2018

	collimator for a HiReSPECT: A dedicated smallanimal SPECT. <i>Appl Radiat Isot.</i> 2018;139:53-60.	
95	Amini I, Akhlaghi P, Sarbakhsh P. Construction and verification of a physical chest phantom from suitable tissue equivalent materials for computed tomography examinations. <i>Radiation Physics and Chemistry</i> 150; 51-7.	2018
96	Badrigilan S, Shaabani B, Ghareh Aghaji N, Mesbahi A. Iron Oxide/Bismuth Oxide Nanocomposites Coated by Graphene Quantum Dots:" Three-In-One" Theranostic Agents for Simultaneous CT/MR Imaging-Guided In Vitro Photothermal Therapy. Photodiagnosis and Photodynamic Therapy. <i>Photodiagnosis Photodyn Ther.</i> 2018 Oct 29. pii: S15721000(18)30257-6.	2018
97	Badrigilan S, Shaabani B, Ghareh Aghaji N, Mesbahi A. Graphene Quantum Dots-Coated Bismuth Nanoparticles for Improved CT Imaging and Photothermal Performance. <i>International Journal of Nanoscience.</i> doi/abs/10.1142/S0219581X18500436.	2018
98	Borran AA, Aghanejad A, Farajollahi AR, Barar J, Omidi Y. Gold nanoparticles for radiosensitizing and imaging of cancer cells. <i>Radiation Physics and Chemistry.</i> 152; 137-144.	2018
99	Darfarin G, Salehi R, Alizadeh E, Nasiri Motlagh B, Akbarzadeh A, Farajollahi AR. The effect of SiO ₂ /Au core-shell nanoparticles on breast cancer cell's radiotherapy. <i>Artificial cells, nanomedicine, and biotechnology.</i> 1-11.	2018
100	Fathi Kazerooni A, Assili S, Alviri MR, Nabil M, Pirayesh Islamian J, Saligheh Rad HR, Agha-Ghazvini L. Accurate Classification of Parotid Tumors Based on Apparent Diffusion Coefficient. <i>Frontiers in Biomedical Technologies</i> 4(3-4);90-9.	2018
101	Hassan Pour N, Farajollahi AR, Jamali M, Zeinali A, Ghasemi Jangjou A. radiotherapy technique and the effect of laryngeal shield on vocal and spinal cord radiation dose in radiotherapy of non-laryngeal head and neck tumors. <i>Polish Journal of Medical Physics and Engineering.</i> 24(1);25-31.	2018
102	Jafarirad S, Hammami Torghabe E, Rasta SH, Salehi R. A novel non-invasive strategy for low-level laser-induced cancer therapy by using new Ag/ZnO and Nd/ZnO functionalized reduced	2018

	graphene oxide nanocomposites. Artificial cells, nanomedicine, and biotechnology. 1-17.	
103	Mehnati P, Mohammad Yousefi Sooteh, Reza Malekzadeh, Baharak Divband. Synthesis and characterization of nano Bi ₂ O ₃ for radiology shield. <i>Nanomedicine Journal</i> 5(4);222-6.	2018
104	Keshtkar A, Ehsan Keshtkar, Arash Khaki, Elham Mansouri, Afshin Khaki. Effect of Extremely Low Frequency Electromagnetic Fields and simultaneous treatment with Allium Cepa extract on Biochemical Parameters and Ultrastructure of Ovarian Tissue of Rats. <i>Iranian Journal of Medical Physics</i> . 13 Oct 2018.	2018
105	Mehnati P, R. Malekzadeh, M. Yousefi Sooteh, Soheila Refahi. Assessment of the efficiency of new bismuth composite shields in radiation dose decline to breast during chest CT. <i>The Egyptian Journal of Radiology and Nuclear Medicine</i> . <i>The Egyptian Journal of Radiology and Nuclear Medicine</i> 49 (2018) 1187–118.	2018
106	Mehnati P, Sirous Khorram, Mohammad Sadegh Zakerhamidi, Farhood Fahima. Near-Infrared Visual Differentiation in Normal and Abnormal Breast Using Hemoglobin Concentrations. <i>J lasers in med sci</i> 9(1);50	2018
107	Mesbahi A, Hayati H. The impact of the photon spectra on the sensitivity of polymer gel dosimetry in X-ray computed tomography. <i>Iranian Journal of Medical Physics</i> DOI: 10.22038/IJMP.2018.30042.1334	2018
108	Mesbahi A, N Rasouli, M Mohammadzadeh, B Nasiri Motlagh, H Ozan Tekin. Comparison of Radiobiological Models for Radiation Therapy Plans of Prostate Cancer: Three-dimensional Conformal versus Intensity Modulated Radiation Therapy. <i>Journal of Biomedical Physics and Engineering</i> . DOI: https://doi.org/10.22086/jbpe.v0i0.65 .	2018
109	Mohammadzadeh-Asl S, Keshtkar A, Jafar Ezzati Nazhad Dolatabadi, Miguel de la Guardia. Nanomaterials and phase sensitive based signal enhancement in surface plasmon resonance. <i>Biosens Bioelectron</i> . 2018 Jul 1;110:118-131.	2018
110	Salehpour F, Farajdokht F, Cassano P, Sadigh-Eteghad S, Marjan Erfani, Michael R Hamblin, Maryam Moghadam Salimi, Poursan Karimi, Rasta SH, Mahmoudi J. Near-Infrared Photobiomodulation Combined with Coenzyme Q10 for Depression in a Mouse Model of Restraint Stress: Reduction in Oxidative Stress, Neuroinflammation, and Apoptosis. <i>Brain Res Bull</i> . 2018 Oct 29. pii: S0361-9230(18)30686-5.	2018

111	Tarighatnia A, L Pourafkari, Farajollahi AR, AH Mohammadalian, M Ghojazadeh, ND Nader. Operator radiation exposure during transradial coronary angiography. <i>Herz.</i> 43(6);535-42	2018
112	Tekin HO, MI Sayyed, TT Erguzel, M Karahan, O Kilicoglu Mesbahi A, U Kara. Investigation of water equivalence and shielding properties of different solid phantoms using MCNPX code. <i>Digest Journal of Nanomaterials and Biostructures.</i> Vol. 13, No. 2, April-June 2018, p. 551-562.	2018
113	Abbaspour S, Mahmoudian B, Islamian JP. Cadmium telluride semiconductor detector for improved spatial and energy resolution radioisotopic imaging. <i>World J Nucl Med</i> 2017;16:101-7. DOI:10.4103/1450-1147.203079	2017
114	A Soleimani, SH Rasta, T Banaei, AA Bonab. Effects of Laser Physical Parameters on Lesion Size in Retinal Photocoagulation Surgery: Clinical OCT and Experimental Study	2017
115	F Salehpour, SH Rasta. The potential of transcranial photobiomodulation therapy for treatment of major depressive disorder	2017
116	F Salehpour, SH Rasta, G Mohaddes, S Sadigh-Eteghad, S Salarirad. A comparison between antidepressant effects of transcranial near-Infrared laser and Citalopram in a rat model of depression	2017
117	Parinaz Mehnati, Ayoub Amirnia & Nasrollah Jabbari. Estimating cancer induction risk from abdominopelvic scanning with 6- and 16-slice computed tomography	2017
118	Mehnati P, Ghavami M, Heidari H. Reducing Radiation Doses in Female Breast and Lung during CT Examinations of Thorax: A new Technique in two Scanners	2017
119	Khoshakhlagh M, Pirayesh Islamian J, Abedi SM, Mahmoudian B, Shayesteh Azar M. A Monte Carlo study for optimizing the detector of SPECT imaging using XCAT Human Phantom. <i>Nucl Med Rev</i> 2017;20(1): 1-5.	2017
120	Pirayesh Islamian J, Mehrali H, Farajollahi AR, Hatamian H. Radioprotective Effects of Amifostine and Lycopene on Human Peripheral Blood Lymphocytes In Vitro. <i>J Medical Imaging Radiation Sciences,</i> 2016;47:49-54.	2017
121	Oladghaffari M, Shabestani Monfared A, Farajollahi A, Baradaran B, Mohammadi M, Shanehbandi D, Asghari Jafar Abadi M, Pirayesh Islamian J. MLN4924 and 2DG combined treatment enhances the efficiency of radiotherapy in breast cancer cells. <i>Int J Radiat Biol</i> 2017 Mar 14:1-10. doi: 10.1080/09553002.2017.1294272.	2017
122	Jalil Pirayesh Islamian, Milad Hatamian, Negar Abbasi Aval, Mohammad Reza Rashidi, Asghar Mesbahi, Mohammad Mohammadzadeh, Mohammad Asghari Jafarabadi, Targeted superparamagnetic nanoparticles coated with 2-deoxy-d-glucose and doxorubicin more sensitize breast cancer cells to ionizing radiation. <i>The Breast</i> 2017;33:97-103, http://dx.doi.org/10.1016/j.breast.2017.03.009 .	2017

123	Bagheri, H., Soleimani, A., Gharehaghaji, N., Mesbahi, A., Manouchehri, F., Shekarchi, B., Dormanesh, B., Dadgar, H.A. An overview on small-field dosimetry in photon beam radiotherapy: Developments and challenges (2017) <i>Journal of Cancer Research and Therapeutics</i> , 13 (2), pp. 175-185.	2017
124	Ghaseminejad, S., Mesbahi, A., Khajeali, A., Farajollahi, A.R. Dosimetric evaluation of small IMRT beamlets in the presence of bone inhomogeneity using NIPAM polymer gel and Monte Carlo simulation(2017) <i>Radiation Measurements</i> , 105, pp. 62-69.	2017
125	Mesbahi, A., Famouri, F., Ahar, M.J., Ghaffari, M.O., Ghavami, S.M. A study on the imaging characteristics of Gold nanoparticles as a contrast agent in X-ray computed tomography (2017) <i>Polish Journal of Medical Physics and Engineering</i> , 23 (1), pp. 9-14.	2017
126	Asghar MESBAHI, Rezvan KHALDARI. Neutron and photon scattering properties of high density concretes used in radiation therapy facilities A Monte Carlo study	2017
127	Mohammadi M, Pirayesh Islamian J, Karami H, Olladghaffari M, Farajollahi A, et al. Role of HDM2 Gene in Radio-Sensitivity of Esophageal Cancer Cell Lines to Irradiation, <i>Int J Cancer Manag.</i> Online ahead of Print ;In Press(In Press):e8950.doi: 10.5812/ijcm.8950.	2017
128	Rafat Motavalli L, E Hoseinian Azghadi, H Miri Hakimabad, P Akhlaghi. Pulmonary embolism in pregnant patients: Assessing organ dose to pregnant phantom and its fetus during lung imaging. <i>Medical physics</i> 44 (11), 6038-6046	2017
129	Mesbahi, A., Akcay, D., Tekcan, I.V., Alikus, Z.A. The impact of residual geometric inaccuracies on normal organ doses in image guided-radiation therapy of prostate cancer using on-board kilovoltage Cone-Beam computed tomography (2017) <i>Iranian Journal of Medical Physics</i> , 14 (2), pp. 104-113.	2017
130	Mesbahi, A., Rasouli, N., Motlagh, B.N., Mohammadzadeh, M. Radiobiological model-based comparison of three-dimensional conformal and intensity-modulated radiation therapy plans for nasopharyngeal carcinoma (2017) <i>Iranian Journal of Medical Physics</i> , 14 (4), pp. 190-196.	2017
131	Sabri, H. Malekzadeh R. Investigation of decay modes and stability effects on Spectral Statistics of different nuclei. <i>Nuclear physics A</i> ;963; 78-93.	2017
132	Salehpour F, Ahmadian N, Rasta SH, Farhoudi M, Karimi P, Sadigh-Eteghad S. Transcranial low-level laser therapy improves brain mitochondrial function and cognitive impairment in D-galactose-induced aging mice. <i>Neurobiology of Aging</i> . 2017.	2017
133	Paria Naseri, Alireza Alihemmati, Seyed Hossein Rasta. How do red and infrared low-level lasers affect folliculogenesis cycle in rat's ovary tissue in comparison with clomiphene under in vivo condition. <i>Lasers med sci</i> . 2017	2017

134	Sedaghatian T, Momennezhad M, Rasta S. H, Makhdoomi Y, Abdollahian S. An Update of Couch Effect on the Attenuation of Megavoltage Radiotherapy Beam and the Variation of Absorbed Dose in the Build-up Region. J Biomed Phys Eng 2017; 7(3)	2017
135	Yaser Kasesaz · Elham Bavarnegin · Mohadeseh Golshanian · Azim Khajeali · Hossein Jarahi · SM Mirvakili · Hossein khalafi ; BNCT Project at Tehran Research Reactor: current and prospective plans. Article in Progress in Nuclear Energy	2016
136	Elham Bavarnegin, Hossein Khalafi, Alireza Sadremomtaz, Yaser Kasesaz and Azim Khajeali. Investigation of Dose Distribution in Mixed Neutron-Gamma Field of Boron Neutron Capture Therapy using N-Isopropylacrylamide Gel. Nuclear Engineering and Technology (2016)	2016
137	Shoshtary A, Pirayesh Islamian J, Asadinezhad M, Sadremomtaz A. An Evaluation of the Organ Dose Received by Cardiologists Arising From Angiography Examinations in Educational Hospital in Rasht. Global J Health Sci 2016;8(7);185-94.	2016
138	Rezaee H, Azarm AR, Mahmoudian B, Gharepapagh E, Pirayesh Islamian J. Collimator and energy window optimization for 90Y bremsstrahlung SPECT imaging: A SIMIND Monte Carlo study. Applied Radiation and Isotopes 2016;108:124-8	2016
139	Fatemeh Zeinali Sehrig, Sima Majidi, Sahar Asvadi, Arash Hsanzadeh, Seyed Hossein Rasta, Masumeh Emamverdy, Jamshid Akbarzadeh, Sahar Jahangiri, Shahrzad Farakhkiz, Abolfazl Akbarzadeh. An update on clinical applications of magnetic nanoparticles for increasing the resolution of magnetic resonance imaging	2016
140	F Salehpour, SH Rasta, G Mohaddes, S Sadigh-Eteghad, S Salarirad. Therapeutic effects of 10-Hz Pulsed wave lasers in rat depression model: A comparison between near-infrared and red wavelengths	2016
141	M Partovi, S Rasta, A Javadzadeh. Automatic detection of retinal exudates in fundus images of diabetic retinopathy patients: Detection of retinal exudates in DR fundus images	2016
142	F Salehpour, SH Rasta. Transcranial Low-level Light Therapy In Psychological Disorders– A Review	2016
143	Alireza Gharatape, Morteza Milani, Seyed Hossein Rasta, Mohammad Pourhassan-Moghaddam, Sohrab Ahmadi-Kandjani, Soodabeh Davaran, Roya Salehi. A novel strategy for low level laser-induced plasmonic photothermal therapy: the efficient bactericidal effect of biocompatible AuNPs@(PNIPAAM-co-PDMAEMA, PLGA and chitosan)	2016
144	Parinaz Mehnati, Maede Jafari Tirtash, Mohammad Sadegh Zakerhamidi and Parisa Mehnati. Assessing Absorption Coefficient of Hemoglobin in the Breast Phantom Using Near-Infrared Spectroscopy	2016
145	Fazel M, Mehnati P, Baradaran B1, Pirayesh J. Evaluation of gamma radiation-induced cytotoxicity of breast cancer cells: Is there a time-dependent dose with high efficiency?	2016

146	Mehnaty P, Jafari Tirtash M, Ghavami M. CT Role in the Assessment of Existence of Breast Cancerous Cells	2016
147	Khoshakhlagh M, Pirayesh Islamian J, Abedi SM, Mahmoudian B, Mardanshahi AR. A study on determination of an optimized detector for single photon emission computed tomography. <i>World J Nucl Med.</i> 2016;15(1):12-7.	2016
148	Shamsi M, Pirayesh Islamian J, Majidizolbanin J. Breast cancer: Early diagnosis and effective treatment by drug delivery tracing. <i>Nucl Med Rev.</i> Accepted.	2016
149	Pirayesh Islamian J, Aghaee F, Farajollahi AR, Baradaran B, Fazel M. Combined treatment with 2-Deoxy-D-Glucose and doxorubicin enhances the in vitro efficiency of breast cancer radiotherapy. <i>Asian Pac J Cancer Prev</i> 2015;16(18): 8431-8.	2016
150	Pirayesh Islamian J, Garoosi I, Abdollahifard K, Abdollahi MR. How much intravenous contrast media affect bone mineral density (BMD) assessed by routine computed tomography (CT). <i>Egyptian Journal of Radiology and Nuclear Medicine</i> 2016;47(2):572-5.	2016
151	Pirayesh Islamian J, Garoosi I, Abdollahifard K, Abdollahi MR. Comparison between the MDCT and the DXA Scanners in the Evaluation of BMD in the Lumbar Spine Densitometry. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> 2016 September :47, (3): 961–7. doi:10.1016/j.ejnm.2016.04.005.	2016
152	Pirayesh Islamian J, Mohammadi M, Baradaran B, Farajollahi AR, Aghamiri SMR, Asgharijafarabadi M, Karami H, Monfaredan A, Shanehbandi D. Enhancing radiosensitivity of TE1, TE8, and TE 11 esophageal squamous carcinoma cell lines by Hdm2-siRNA targeted gene therapy in vitro. <i>BioImpacts</i> 2016;6(2):93-8.	2016
153	Ghavami, S.M., Ghiasi, H., Mesbahi, A. Monte Carlo modeling of the yttrium-90 nanospheres application in the liver radionuclide therapy and organs doses calculation (2016) <i>Nuclear Technology and Radiation Protection</i> , 31 (1), pp. 89-96.	2016
154	Akhlagh P, A Ebrahimi-Khankook, A Vejdani-Noghreiyani. The effects of simulating a realistic eye model on the eye dose of an adult male undergoing head computed tomography. <i>Radiation and environmental biophysics</i> 56 (2), 177-186.	2016
155	Hayati, H., Mesbahi, A., Nazarpour, M. Monte Carlo modeling of a conventional X-ray computed tomography scanner for gel dosimetry purposes (2016) <i>Radiological Physics and Technology</i> , 9 (1), pp. 37-43.	2016
156	Khaldari, R., Mesbahi, A., Kara, U. Monte carlo calculation of shielding properties of newly developed heavy concretes for megavoltage photon beam spectra used in radiation therapy (2016) <i>Iranian Journal of Medical Physics</i> , 13 (4), pp. 250-260.	2016
157	Akram Mahna; Seyed Mohamad Firoozabadi. Environmental 50Hz Magnetic Fields Can Increase Viability of Human Umbilical Vein Endothelial Cells (HUVEC), <i>Iranian Journal of Medical Physics</i> , volume 13, Issue 2, 2016.	2016

158	Abbasi Aval N, Pirayesh Islamian J, Hatamian M, Arabfirouzjaei M, JafarJavadpour, Rashidi MR. Doxorubicin loaded large-pore mesoporoushydroxyapatite coated superparamagnetic Fe ₃ O ₄ nanoparticles for cancer treatment. <i>Int J Pharm</i> 2016;509(1-2):159–67.	2016
159	Azarm AR, Pirayesh Islamian J, Mahmoudian B, Garapapagh S. The Effect Of Parallel-Hole Collimator Material On Image And Functional Parameters In SPECT Imaging: A SIMIND Monte Carlo Study. <i>World J Nucl Med</i> . 2015. In Press.	2015
160	Bouzarjomehri F, M. Kiani, A.R. Farajollahi. The comparison of standard lead with individual mold shielding on patient dose. <i>Int J Radiat Res</i> 2015, 13(2): 197-200.	2015
161	Azim Khajeali, Ali Reza Farajollahi, Yaser Kasesaz, Roghayeh Khodadadi, Assef Khalili and Alireza Naseri, Potential application of NIPAM polymer gel for dosimetric purposes in boron neutron capture therapy, <i>Applied Radiation and Isotopes</i> . 2015.	2015
162	Khajeali A, Farajollahi AR, Kasesaz Y, Khodadadi R, Khalili A, Naseri A. Capability of NIPAM polymer gel in recording dose from the interaction of ¹⁰ B and thermal neutron in BNCT. <i>Applied Radiation and Isotopes</i> . 2015;105:257-63.	2015
163	Khodadadi R, Khajeali A, Farajollahi AR, Ziaei JE, Hajalioghli P. Dosimetric properties of N-isopropylacrylamide polymer gel using nonelectrophoresis grade BIS in preparation. <i>Journal of Cancer Research and Therapeutics</i> . 2015;11(3).	2015
164	Khodadadi R, Khajeali A, Farajollahi AR, Hajalioghli P, Raeisi N. Comparison of non-electrophoresis grade with electrophoresis grade BIS in NIPAM polymer gel preparation. <i>BiolImpacts</i> . 2015;5(3).	2015
165	Khajeali A, Farajollahi AR, Khodadadi R, Kasesaz Y, Khalili A. Role of gel dosimeters in boron neutron capture therapy. <i>Applied Radiation and Isotopes</i> . 2015;103(0):72-81.	2015
166	Farajollahi AR, Amini A, Rashidi MR, Shahbazi A, Daemi A. The Situation Analysis Of The International Relations Management In Terms Of Using Foreign Scholars And Experts And Holding Training Courses For Foreign Students At Tabriz University Of Medical. <i>Jundishapur Sci Med J</i> . (In Press).	2015
167	Farajollahi AR, Bouzarjomehri F, Kiani M. Comparison between Clinically Used Irregular Fields Shielded by Cerrobend and Standard Lead Blocks. <i>J Biomed Phys Eng</i> . 2015; 5(2): 77–82.	2015
168	Farajollahi AR, Pak F, Myabi Z. The Basic Radiation Properties Of The N-Isopropylacrylamide Based Polymer Gel Dosimeter. <i>Int J Radiat Res</i> (In Press)	2015
169	Fazel M, Mehnati P, Baradaran B, Islamian PJ. Evaluation Of Gamma Radiation-Induced Cytotoxicity Of Breast Cancer Cells: Is There A Time-Dependent Dose With High Efficiency? <i>Indian J Cancer</i> . In Press.	2015
170	Islamian JP, Azarm AR, Mahmoudian B, Gharapapagh E. Advances In Pinhole And Multi-Pinhole Collimators For Single Photon Emission Computed Tomography Imaging. <i>World J Nucl Med</i> 2015; 14:3-9.	2015

171	Khoshakhlagh M, Pirayesh Islamian J, Abedi SM, Mahmoudian B. Development Of Scintillators In Nuclear Medicine. World J Nucl Med 2015; 14(2):13-6.	2015
172	Pirayesh Islamian J, Mehrali H. Lycopene As A Carotenoid Provides Radioprotectant And Antioxidant Effects By Quenching Radiation Induced Free Radical Singlet Oxygen: An Overview. Cell J 2015; 16(4):386-91.	2015
173	Pirayesh Islamian J, Hatamian M, Rashidi MR. Nanoparticles Promising New Method To Boost Oncology outcome In Breast Cancer. APJCP 2015; 16(5):1683-6.	2015
174	Rezaee Roshan H, Azarm AR, Pirayesh Islamian J. Advances In SPECT For Optimizing The Liver Tumors Radioembolization Using Yttrium-90 Microspheres. World J Nucl Med 2015; 14(2):75-80.	2015
175	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. Evaluation of dose conversion coefficients for an eight-year-old Iranian male phantom undergoing computed tomography, Radiat. Environ. Biophys. 2015; 54:465- 474.	2015
176	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. Dose estimations in Iranian 11-year-old pediatric phantoms undergoing computed tomography examinations, J. Rad. Res. 2015; 56: 646- 655.	2015
177	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. Determination of tissue equivalent materials of a physical 8-year-old phantom for use in computed tomography, Rad. Phys. Chem. 2015; 112: 169-176.	2015
178	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. Dose estimation in reference and non-reference pediatric patients undergoing computed tomography examinations: A Monte Carlo study, Radioprotection 2015; 50: 43-54.	2015
179	SH Rasta, S Nikfarjam, A Javadzadeh. Detection of retinal capillary nonperfusion in fundus fluorescein angiogram of diabetic retinopathy	2015
180	SH Rasta, ME Partovi, H Seyedarabi, A Javadzadeh. A comparative study on preprocessing techniques in diabetic retinopathy retinal images: Illumination correction and contrast enhancement	2015
181	Parinaz Mehnati, Maede Jafari Tirtash. Comparative Efficacy of Four Imaging Instruments for Breast Cancer Screening	2015
182	Oladghaffari M, Pirayesh Islamian J, Baradaran B, Farajollahi AR, Shabestani Monfared A, Shanebandi D, Mohammadi M. High efficiency apoptosis induction in breast cancer cell lines by MLN4924/2DG co-treatment. <i>Asian Pac J Cancer Prev</i> 2015;16(13):5471-6.	2015
183	Shafae A, Dastyar DZ, Islamian JP, Hatamian M. Inhibition of tumor energy pathways for targeted esophagus cancer therapy. <i>Metabolism</i> 2015;64:1193-8.	2015
184	Zakariaee, S.S., Molazadeh, M., Takavar, A., Shirazi, A., Mesbahi, A., Zeinali, A. Validation of a prototype optical computed tomography system(2015) <i>Journal of Medical Signals and Sensors</i> , 5 (2), pp. 123-130.	2015

185	Oladghaffari M, Pirayesh Islamian J, Baradaran B, Shabestanimonfared A. MLN4924 therapy as a novel approach in cancer treatment modalities. <i>J Chemother</i> 2016 Apr;28(2):74-82. doi: 10.1179/1973947815Y.0000000066.	2015
186	Akkurt, I., Tekin, H.O., Mesbahi, A. Calculation of Detection Efficiency for the Gamma Detector using MCNPX (2015) <i>Acta Physica Polonica A</i> , 128 (2), pp. 332-334.	2015
187	Kara, U., Mesbahi, A., Akkurt, I. Photoneutron dose measurement in radiotherapy room (2015) <i>Acta Physica Polonica A</i> , 128 (2), pp. 372-374.	2015
188	Kara, U., Mesbahi, A., Akkurt, I. Monte carlo simulation of photoneutron dose in radiotherapy room as a function of gantry angles (2015) <i>Acta Physica Polonica A</i> , 128 (2), pp. 378-380.	2015
189	Mesbahi, A., Haghzadeh, A., Naseri, A.R., Shirazi, A.R. Monte carlo calculation of shielded colpostat effect on rectum received dose in high dose rate brachytherapy with cobalt-60 sources (2015) <i>Iranian Journal of Radiation Research</i> , 13 (2), pp. 165-171.	2015
190	Mesbahi, A., Zergoug, I. Dose calculations for lung inhomogeneity in high-energy photon beams and small beamlets: A comparison between XiO and TiGRT treatment planning systems and MCNPX Monte Carlo code (2015) <i>Iranian Journal of Medical Physics</i> , 12 (3), pp. 167-177.	2015
191	Mesbahi, A., Dadgar, H. Dose calculations accuracy of TiGRT treatment planning system for small IMRT beamlets in heterogeneous lung phantom (2015) <i>International Journal of Radiation Research</i> , 13 (4), pp. 345-354.	2015
192	Assili S, Fathi Kazerooni A, Agha Ghazvini L, Saligheh Rad H, Pirayesh Islamian J. Systematic Review: Dynamic Contrast Magnetic Resonance Imaging (DCE-MRI) and Diffusion Weighted MR Imaging (DWI) for Differentiation between Benign and Malignant Salivary Gland Tumors. <i>J Biomed Phys Eng</i> 2015; 5(4):157-68.	2015
193	Rezaee Roshan H, Azarm AR, Pirayesh Islamian J. Advances in SPECT for optimizing the liver tumors radioembolization using Yttrium-90 microspheres. <i>World J Nucl Med</i> 2015;14(2):75-80.	2015
194	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. Effects of shielding the radiosensitive superficial organs of ORNL pediatric phantoms on dose reduction in CT examinations, <i>J. Med. Phys.</i> 2014; 39: 238-246.	2014
195	Parisa Akhlaghi, Hashem Miri-Hakimabad, Laleh Rafat-Motavalli. An overview of exposure parameters, dose measurements and strategies for dose reduction in pediatric CT examinations, <i>Radioprotection</i> 2014; 49: 9-15.	2014
196	Farajollahi AR, Amini A, Rashidi MR, Shahbazi A, Azimi S. Situation Analysis Of The Conference And Congresses Held In Tabriz University Of Medical Sciences: 2005-2010. <i>Res Dev Med Educ</i> 2014.	2014
197	Farajollahi AR, Fouladi DF, Ghojazadeh M, Movafaghi A. Radiographers' Professional Knowledge Regarding Parameters And Safety Issues In Plain Radiography: A Questionnaire Survey. <i>Br J Radiol</i> 2014; 25:20140090.	2014

198	Farajollahi AR, Sedagat K, Alizadeh M, Imanzad M, Ashrafi Hafez A. Effect Of Intra – Organization Factors on Research. J Paramed Sci 2014;5(2);20-31.	2014
199	Islamian JP, Mohammadi M, Baradaran B. Inhibition Of Human Esophageal Squamous Cell Carcinomas By Targeted Silencing Of Tumor Enhancer Genes: An Overview. Cancer Biol Med 2014; 11:78-85.	2014
200	Mehnati P. Gamma-Radiation Induced Endoreplication In Exposed CHO Cell Line. Am-Eur J Toxicol Sci 2014; 6 (1):25-9.	2014
201	Mehnati P, Alizadeh Riabi A. Comparison Between Film -Screen And Digital Mammography For Woman Breast Cancer Screening: Mean Glandular Dose. Acad J Cancer Res 2014; 7(2):162-7.	2014
202	Rasta SH, Partovi M, Javadzadeh A, Seyed Arabi H. A Comparative Study Of Pre-Processing Techniques In Diabetic Retinopathy Retinal Images: Illumination Correction And Contrast Enhancement. J Med Signals Sens 2014.	2014
203	Zakariaee SS, Mesbahi A, Keshtkar A, Azimirad V. Design And Construction Of An Optical Computed Tomography Scanner For Polymer Gel Dosimetry Application. J Med Signals Sens 2014;4(2):130-8.	2014
204	Mesbahi, A., Zakariaee, S.-S. Optical characterization of NIPAM and PAGAT polymer gels for radiation dosimetry (2014) Iranian Journal of Medical Physics, 10-11 (1-4), pp. 188-194.	2014
205	Mesbahi, A., Dadgar, H., Ghareh-Aghaji, N., Mohammadzadeh, M. A Monte Carlo approach to lung dose calculation in small fields used in intensity modulated radiation therapy and stereotactic body radiation therapy (2014) Journal of Cancer Research and Therapeutics, 10 (4), pp. 896-902.	2014
206	Saharkhiz, H., Gharehaghaji, N., Nazarpour, M., Mesbahi, A., Pourissa, M. The effect of inversion time on the relationship between iron oxide nanoparticles concentration and signal intensity in T1-weighted MR images (2014) Iranian Journal of Radiology, 11 (2), art. no. e12667, .	2014
207	A. Mahna, S. M. P. Firoozabadi, Z. Shankayi. The Effect of ELF Magnetic Field on Tumor Growth after Electrochemotherapy, Journal of membrane biology, Volume 247, Issue 1, pp 9–15, 2014.	2014
208	Akram Mahna. The effects of pulsed magnetic field exposure on the permeability of leukemia cancer cells, Electromagnetic Biology and Medicine, Volume 33, Issue 2, 2014.	2014
209	A. Mahna, S. M. P. Firoozabadi, Z. Shankayi. The Effect of ELF Magnetic Field on Tumor Growth after Electrochemotherapy, Journal of membrane biology, Volume 247, Issue 1, pp 9–15, 2014.	2014
210	Aghaee F, Pirayesh Islamian J, Baradaran B, Mesbahi A, Mohammadzadeh M, Asghari Jafarabadi M. Enhancing The Radiation Induced Apoptosis In T47D And SKBR3 Breast Cancer Cells By A Low Dose Doxorubicin Treatment. J Breast Cancer 2013; 16(2): 164-70.	2013
211	Farajollahi AR, Sedagat K, Alizadeh M, Ashrafi Hafez, Boostani H. Evaluation Of Research Limiting And Potentiating Factors Among The Scientific Board Members Of Tabriz University Of Medical Sciences. J Ilam Univ Med Sci (2013); 21.(In Farsi)	2013

212	Farajollahi AR, Amini AG, Rashidi MR, Shahbazi A, Azami-Aghdash S. The Situation Analysis Of The International Relations Management And Inter- University Collaboration In Tabriz University Of Medical Sciences During The Years 2005. J Anal Res Clin Med 2013; 1(1).	2013
213	Farajollahi AR, Shams Vahdati S, Tajlili A. The Effectiveness Of Calcium Scoring Alongside Coronary Com-puted Tomography Angiography In Patients With Low-Likeli-Hood Of Chest Pain. Iran J Public Health 2013; 42(11):1329-30.	2013
214	Fathi M, Farajollahi AR And Entezamia AK. Synthesis Of Fast Response Crosslinked PVA-G-Nipaam Nanohydrogels By Very Low Radiation Dose In Dilute Aqueous Solution. Radiat Phys Chem 2013; 145-54.	2013
215	Keshtkar A, Seyedarabi H, Sheikhzadeh P, Rasta SH. Discriminant Analysis Between Myocardial Infarction Patients And Healthy Subjects Using Wavelet Transformed Signal Averaged Electrocardiogram And Probabilistic Neural Network. J Med Signals Sens 2013; 3(4):225-30.	2013
216	Keshtkar A, Seyyedi N, Afkari Sh, Sheikhzadeh P, Rasta SH. Distinction Between Myocardial Infarction Patients With And Without History Of Ventricular Tachycardia Based On Wavelet Transformed Signal-Averaged Electrocardiogram. J Analyt Res Clin Med 2013; 1(2): 90-5.	2013
217	Keshtkar A. Application Of Electrical Impedance Spectroscopy In Bladder Cancer Screening. Iran J Med Phys 2013; 10(1-2): 01-21.	2013
218	Mesbahi A, Alizadeh G, Seyed-Oskoe G, Azarpeyvand A. A New Barite-Colemanite Concrete With Lower Neutron Production In Radiation Therapy Bunkers. Ann Nucl Energy 2013; 51:107-11.	2013
219	Pak F, Farajollahi AR, Movafaghi A, Naseri AR. Influencing Factors On Reproducibility And Stability Of MRI NIPAM Polymer Gel Dosimeter. Bioimpacts 2013 ; 3(4): 163–168.	2013
220	Pirayesh Islamian J, Bahreyni Toossi MT, Momennezhad M, Zakavi SR, Sadeghi R. Monte Carlo Study Of The Effect Of Backscatter Thickness On 99mTc Source Response In Single Photon Emission Computed Tomography. Iran J Med Phys 2013; 10(1-2): 69-77.	2013
221	Parisa Akhlaghi, Laleh Rafat-Motavalli, Seyyed Hashem Miri-Hakimabad. The measurements of thermal neutron flux distribution in a paraffin phantom, Pramana 2013; 80: 873-885.	2013
222	SH Rasta, PF Sharp. Biomedical Optical Imaging for early diagnosis using Laser Sources	2013
223	Fahimeh Aghae, Jalil Pirayesh Islamian, Behzad Baradaran, Asghar Mesbahi, Mohammad Mohammadzadeh, Mohammad Asghari Jafarabadi. Enhancing the Effects of Low Dose Doxorubicin Treatment by the Radiation in T47D and SKBR3 Breast Cancer Cells. Journal of breast cancer, 2013	2013
224	Aghae F, Pirayesh Islamian J, Baradaran B. Enhanced Radiosensitivity And Chemosensitivity Of Breast Cancer Cells By 2-Deoxy-D-Glucose In Combination Therapy. J Breast Cancer 2012; 15(2):141-7.	2012

225	Ghiasi H, Mesbahi A. A New Analytical Formula For Neutron Capture Gamma Dose Calculations In Double-Bend Mazes In Radiation Therapy. Rep Pract Oncol Radiother 2012; 17(4):220-5.	2012
226	Ghiasi H, Mesbahi A. Gantry Orientation Effect On The Neutron And Capture Gamma Ray Dose Equivalent At The Maze Entrance Door In Radiation Therapy. Nucl Technol Radiat 2012; 27(1):70-4.	2012
227	Ghiasi H, Mesbahi A. Sensitization Of The Analytical Methods For Photoneutron Calculations To The Wall Concrete Composition In Radiation Therapy. Radiat Measure 2012; 47(6):461-4.	2012
228	Keshtkar A, Salehnia Z, Keshtkar As, Shokouhi B. Bladder Cancer Detection Using Electrical Impedance Technique (Tabriz Mark 1). Pathol Res Int J 2012.	2012
229	Keshtkar A, Salehnia Z, Somi M. H. Eftekharsadat AT. Some Early Results Related To Electrical Impedance Of Normal And Abnormal Gastric Tissue. Physica Medica, Euro J Med Phys 2012; 28: 19-24.	2012
230	Mesbahi A, Azarpeyvand A, Khosravi HR. Does Concrete Composition Affect Photoneutron Production Inside Radiation Therapy Bunkers? Jpn J Radiol 2012; 30(2):162-6.	2012
231	Mesbahi A, Jafarzadeh V, Gharehaghaji N. Optical And NMR Dose Response Of N-Isopropylacrylamide Normoxic Polymer Gel For Radiation Therapy Dosimetry. Rep Prac Oncol Radiother 2012; 17(3):146-50.	2012
232	Pirayesh Islamian J, Bahreyni Toossi MT, Momennezhad M, Naseri Sh, Ljungberg M. Simulation Of A Quality Control Jaszczak Phantom With SIMIND Monte Carlo And Adding The Phantom As An Accessory To The Program. Iran J Med Phys 2012; 9(2):135-40.	2012
233	Pirayesh Islamian J, Bahreyni Toossi MT, Momennezhad M, Zakavi SR, Sadeghi R, Ljungberg M. Monte Carlo Study Of The Effect Of Collimator Thickness On Tc-99m Source Response In Single Photon Emission Computed Tomography. World J Nucl Med 2012; 11(2):71-4.	2012
234	Rasta SH, Manivannan A, Sharp P. Spectral Imaging Technique For Retinal Perfusion Detection Using Confocal Scanning Laser Ophthalmoscopy. J Biomed Optics 2012; 17(11):116005,1-11.	2012
235	Parisa Akhlaghi, Laleh Rafat-Motavalli, Seyyed Hashem Miri-Hakimabad. A novel neutron dosimeter, J. Biomed. Phys. Eng. 2012; 2: 77-81.	2012
236	A. Mahna, S. M. P. Firoozabadi, Z. Shankayi. The Effect of ELF Magnetic Field on Tumor Growth after Electrochemotherapy, Journal of membrane biology, Volume 247, Issue 1, pp 9–15, 2014.	2012
237	Aghaee F, Pirayesh Islamian J, Baradaran B, Asghari Jafarabadi M, Mohammadzadeh M, Mehnati P. Doxorubicin And Ionizing Radiation Responses Of T47D And SKBR3 Breast Cancer Cells. J Biomed Phys Eng 2011; 1(Suppl 1):S178.	2011
238	Allahverdi M, Zabihzadeh M, Ay MR, Mahdavi SR, Shahriari M, Mesbahi A, Alijanzadeh H. Monte Carlo Estimation Of Electron Contamination In A 18 MV Clinical Photon Beam. Iran J Radiat Res 2011; 9(1):15-28.	2011

239	Bayati MS, Keshtkar As, Keshtkar A. Thermal Computation In Railgun By Hybrid Time Domain Technique 3-D-FEM-IEM. IEEE T Plasma Sci 2011; 39(1): 18-21.	2011
240	Bayati MS, Keshtkar As, Keshtkar A. Transition Study Of Current Distribution And Maximum Current Density In Railgun By 3-D FEM-IEM. IEEE T Plasma Sci 2011; 39(1): 13-7.	2011
241	Keshtkar A, Keshtkar As. Probe Pressure Optimisation In Bio-Impedance Spectroscopy. Int J Med Eng Informat 2011; 3(1): 78-83.	2011
242	Keshtkar As, Shahab Mozaffari, And Keshtkar A. Effect Of Rail Tapering On The Inductance Gradient Versus Armature Position By 3D- FEM. IEEE T Plasma Sci 2011; 39(1):71-4.	2011
243	Keshtkar As, Shahab Mozaffari, Keshtkar A. Inductance Gradient Variation With Time And Armature Sliding Along The Rails. IEEE Trans On Plasma Sci 2011; 39(1): 75-9.	2011
244	Khalaj M, Mohammadi Zeidi I, Gasemi MR, Keshtkar A. The Effect Of Amblyopia On Educational Activities Of Students Aged 9 – 15. J Biomed Sci Eng 2011; 4:516-521.	2011
245	Mehnati P, Pirayesh Islamian J. A Comparison Study Of Digital And Film Screen Mammography Imaging From The Viewpoint Of Patient's Rights. J Biomed Phys Eng 2011; 1(Suppl 1):S73-4.	2011
246	Mesbahi A, Azarpeyvand A, Shirazi A. Photoneutron Production And Backscattering In High Density Concretes Used For Radiation Therapy Shielding. Ann Nucl Energy 2011; 38(12):2752-6.	2011
247	Mesbahi A, Ghiasi H, Rabee Mahdavi S. Photoneutron And Capture Gamma Dose Calculations For A Radiotherapy Room Made Of High Density Concrete. Nucl Technol Radiat Prot 2011; 26(2):147-52.	2011
248	Rasta SH, Manivannan A, Sharp A, Peter F. The Feasibility Of Oxygen Perfusion Imaging Of Human Retina Using A New Non-Invasive Near Infrared Imaging Technique' Biomed Eng ICBME. IEEE Conf Proc 2011 5705020:1-4.	2011
249	Salman Zakariaey S, Pirayesh Islamian J. Proton In Diagnosis And Treatment; Review. J Biomed Phys Eng 2011; 1(Suppl 1):S218.	2011
250	Alizadeh Riabi H, Mehnati P, Mesbahi A. Evaluation Of Mean Glandular Dose In A Full-Field Digital Mammography Unit In Tabriz,Iran. Radiat Prot Dosimet 2010; 142(2-4):222-7.	2010
251	Bahreyni Toosi MT, Pirayesh Islamian J, Momennezhad M, Zakavi SR, Sadeghi R, Ljungberg M. Image Optimization In Single Photon Emission Computed Tomography By Hardware Modifications With Monte Carlo Simulation. J Med Phys 2010; 7(2):09-20.	2010
252	Bahreyni Toossi MT, Pirayesh Islamian J, Momennezhad M, Ljungberg M, Naseri SH. SIMIND Monte Carlo Simulation Of A Single Photon Emission CT. J Med Phys 2010;35(1):42-7.	2010
253	Ghavami S, Mesbahi A, Pesianian I, Shafae A, Aliparasti M. Normoxic Polymer Gel Dosimetry Using Less Toxic Monomer Of N-Isopropyl	2010

	Acrylamide And X-Ray Computed Tomography For Radiation Therapy Applications. Rep Pract Oncol Radiother 2010; 15(6):172-5.	
254	Ghiasi H, Mesbahi A. Monte Carlo Characterization of Photoneutrons In The Radiation Therapy With High Energy Photons: A Comparison Between Simplified And Full Monte Carlo Models. Iran J Radiat Res 2010; 8(3):187-93.	2010
255	Keshtkar A, Mesbahi As, Rasta SH, Keshtkar As. The Feasibility Of Computational Modeling Technique To Detect The Bladder Cancer. Physica Medica 2010 26(1):34-7.	2010
256	Mesbahi A, Ghiasi H, Mahdavi SR. Photoneutron And Capture Gamma Dose Equivalent For Different Room And Maze Layouts In Radiation Therapy. Radiat Prot Dosimet 2010; 140(3):242-9.	2010
257	Mesbahi A, Keshtkar A, Mohammadi E, Mohammadzadeh M. Effect Of Wedge Filter And Field Size On Photoneutron Dose Equivalent For An 18MV Photon Beam Of A Medical Linear Accelerator. Appl Radiat Isotopes J 2010; 68:84-9.	2010
258	Mesbahi A, Seyednejad F, Gasemi-Jangjoo A. Estimation Of Organs Doses And Radiation-Induced Secondary Cancer Risk From Scattered Photons For Conventional Radiation Therapy Of Nasopharynx: A Monte Carlo Study. JPN J Radiol 2010; 28(5):398-403.	2010
259	Mesbahi A. A Review On Gold Nanoparticles Radiosensitization Effect In Radiation Therapy Of Cancer. Rep Prac Oncol Radiother 2010; 15(6):176-80.	2010
260	Mohammadzadeh M, Mesbahi A. MC Estimation Of Out-Of-Field Organ Doses From Scattered Photons, Photoneutrons, And Capture Gamma Rays In Prostate Radiation Therapy. Nucl Technol Radiat Prot 2010; 25(2):78-84.	2010
261	Naseri A, Mesbahi A. A Review On Photoneutrons Characteristics In Radiation Therapy With High-Energy Photon Beams. Rep Pract Oncol Radiother 2010; 15(5):138-44.	2010
262	Pirayesh Islamian J, Bahreyni Toosi MT, Momennezhad M, Zakavi SR, Sadeghi R, Ljungberg M. Monte Carlo Study Of The Effect Of Collimator Thickness On 99mTc Sources Responses In SPECT. Iran J Nucl Med 2010; 18(Suppl 1):129-35.	2010
263	Pirayesh Islamian J, Bahreyni Toosi MT, Momennezhad M, Zakavi SR, Sadeghi R, Ljungberg M. Evaluation Of The Effect Of Backscatter Material Thickness On 99mTc Sources Responses In SPECT With Monte Carlo Simulation. Iran J Nucl Med 2010; 18(Suppl 1):80-5.	2010
264	Frounchi J, Karimian G, Keshtkar A. An Artificial Neural Network Hardware For Bladder Cancer. Eur J Sci Res 2009; 27(1):46-55.	2009
265	Ghavami S, Mesbahi A, Mohammadi E. The Impact Of Automatic Wedge Filter On Photoneutron And Photon Spectra Of An 18-MV Photon Beam. Radiat Prot Dosimet 2009; 138(2):123-8.	2009

266	Keshtkar As, Kiani M, Kalantarnia A, Keshtkar A. A New Broadband Triangular Microstrip Antenna Using Slots And Integrated Reactive Loading Optimized By Genetic Algorithm And Method Of Moment (GA/MOM). Int J Adv Commun Eng 2009; 1(2): 87-92	2009
267	Keshtkar As, Sadjad Bayati, Keshtkar A. Derivation Of A Formula For Inductance Gradient Using Intelligent Estimation Method. IEEE Trans On Magn 2009; 45(1): 305-8.	2009
268	Keshtkar As, Toraj Maleki, Ali Kalantarnia, Keshtkar A. Determination Of Optimum Rails Dimensions In Railgun By Lagrange's Equations. IEEE Trans On Magn 2009; 45(1):594-7.	2009
269	Mesbahi A, Aslanabadi N, Mehnati P, Keshtkar A. Evaluation Of Patient Radiation Dose During Angiography And Angioplasty In Angiography Department Of Shahid Madani Hospital-Tabriz. Iran J Med Phys 2009; 6(1):53-59.	2009
270	Mesbahi A. A Monte Carlo Study On Neutron And Electron Contamination Of An Unflattened 18-MV Photon Beam. Appl Radiat Isotopes 2009; 67(1):55-60.	2009
271	Naseri A, Mesbahi A. Application Of Monte Carlo Calculations For Validation Of A Treatment Planning System In High Dose Rate Brachytherapy. Rep Prac Oncol Radiother 2009;14(6):200-4.	2009
272	Pesianian I, Mesbahi A, Shafae A. Shielding Evaluation Of A Typical Radiography Department: A Comparison Between NCRP Reports No.49 And 147. Iran J Radiat Res 2009; 6(4):183-8.	2009
273	Pirayesh Islamian J. The Biological Effects Of Cellular Phones. Iran J Med Phys 2009; 2(7): 85-91.	2009
274	Rasta SH, Manivannan A, Sharp PF. Spectroscopic Imaging Of The Retinal Vessels Using A New Dual-Wavelength. Clinical And Biomedical Spectroscopy. Proc SPIE 2009; 7368, 736805:1-11.	2009
275	Samimi AR, Keshtkar As, Keshtkar A. Numerical Investigation Of A New Ultra-Wideband Dual-Polarized Square Horn Antenna For Pulse Radiation And The Early-Stage Breast Cancer Detection. Int J Biomed Eng Informat 2009; 1(3): 381-398.	2009
276	Zabihzadeh M, Ay MR, Allahverdi M, Mesbahi A, Mahdavi SR, Shahriari M. Monte Carlo Estimation Of Photoneutrons Contamination From High-Energy X-Ray Medical Accelerators In Treatment Room And Maze: A Simplified Model. Radiat Prot Dosimet 2009; 135(1):21-32.	2009
277	Keshtkar A, Keshtkar As. Modelled Current Distribution Inside The Normal And Malignant Human Urothelium Using Finite Element Analysis. IEEE Trans Bio Med Eng 2008; 55(2).	2008
278	Keshtkar A, Keshtkar As. The Effect Of Applied Pressure On The Electrical Impedance Of The Bladder Tissue Using Small And Large Probes. J Med Eng Technol 2008; 32(6):505-11.	2008
279	Keshtkar A, Mesbahi A, Mehnati P, Keshtkar As. Surface Fluids Effects On The Bladder Tissue Characterization Using Electrical Impedance Spectroscopy. Med Eng Phys 2008; 30(6):693-9.	2008

280	Keshtkar A, Mesbahi A, Mehnati P. The Effect Of Bladder Volume Changes On The Measured Electrical Impedance Of The Urothelium. Int J Biomed Eng Technol 2008; 1(3): 287-92.	2008
281	Keshtkar As, Keshtkar A, Dastkhosh AR. Circular Microstrip Patches Array Antenna For C-Band Altimeter System. Int J Antennas Propag 2008; 7 Pages.	2008
282	Mahdavi SR, Shirazi A, Khodadadee A, Ghaffory M, Mesbahi A. The Monte Carlo Simulation Of The TLD Response Function: Scattered Radiation Field Application. Int J Low Radiat 2008; 5(2):124-33.	2008
283	Mehnati P. An Evaluation Of The Fraction Of Survivor Cells And Cell Death After Exposure To Accelerated Heavy Ions. Int J Low Radiat 2008; 5(2):104-12.	2008
284	Mesbahi A, Aslanabadi N, Mehnati P. A Study On The Impact Of Operator Experience On The Patient Radiation Exposure In Coronary Angiography Examinations. Radiat Prot Dosimet 2008; 132(3):319-23.	2008
285	Mesbahi A, Aslanabadi N. A Study On Patients' Radiation Doses From Interventional Cardiac Procedures In Tabriz, Iran. Radiat Prot Dosimet 2008; 132(4):375-80.	2008
286	Mesbahi A, Mehnati P, Keshtkar A, Aslanabadi N. Comparison Of Radiation Dose To Patient And Staff For Two Interventional Cardiology Units: A Phantom Study. Radiat Prot Dosimet 2008; 131(3):399-403.	2008
287	Mesbahi A, Naseri A. In-Air Calibration Of New High Dose Rate 60Co Brachytherapy Sources: Results Of Measurements On A GZP6 Brachytherapy Afterloading Unit. Rep Prac Oncol Radiother 2008; 13(2):69-73.	2008
288	Mesbahi A, Nejad FS. Monte Carlo Study On A Flattening Filter-Free 18-MV Photon Beam Of A Medical Linear Accelerator. Radiat J Med Imaging Radiat Oncol 2008; 26(6):331-6.	2008
289	Mesbahi A, Rouhani A. A Study On The Radiation Dose Of The Orthopaedic Surgeon And Staff From A Mini C-Arm Fluoroscopy Unit. Radiat Prot Dosimet 2008; 132(1):98-101.	2008
290	Mesbahi A. Radial Dose Functions Of GZP6 Intracavitary Brachytherapy 60Co Sources: Treatment Planning System Versus Monte Carlo Calculations. Iran J Radiati Res 2008;5(4):181-6.	2008
291	Mesbahi A. The Effect Of Electronic Disequilibrium On The Received Dose By Lung In Small Fields With Photon Beams: Measurements And Monte Carlo Study. Iran J Radiati Res 2008; 6(2):71-7.	2008
292	Shirazi A, Mahdavi SR, Khodadadee A, Ghaffory M, Mesbahi A. Monte Carlo Simulation Of TLD Response Function: Scattered Radiation Field Application. Rep Pract Oncol Radiother 2008; 13(1):23-8.	2008
293	Jabbari N, Hashemi-Malayeri B, Farajollahi AR, Kazemnejad A, Shafaei A And Jabbari S. Evaluation Of 6 And 8 Mev Clinical Electron Beams From NEPTUN 10PC Linear Accelerator Using Monte Carlo Method. J Nucl Sci Tech 2007;40: 11-8. (In Farsi)	2007

294	Jabbari N, Hashemi-Malayeri B, Farajollahi AR, Kazemnejad A, Shafaei A, Jabbari S. Comparison Of MCNP4C And Egsnrc Monte Carlo Codes In Depth-Dose Calculation Of Low Energy Clinical Electron Beams. J Phys D: Appl Phys 2007; 40: 4519-24.	2007
295	Jabbari N, Hashemi-Malayeri B, Farajollahi AR, Kazemnejad A. Monte Carlo Calculation Of Scattered Radiation From Applicators In Low Energy Clinical Electron Beams. Nukleonika 2007; 52(3):97-103.	2007
296	Keshtkar A, Keshtkar As, Pat Lawford. Cellular Morphological Parameters Of The Human Urinary Bladder (Malignant And Normal). Int J Exp Path J 2007; 88:185-90.	2007
297	Keshtkar A, Keshtkar As. Measured And Modelled Electrical Bio-Impedance Inside The Human Normal And Malignant Bladder Epithelium. Int J Biomed Eng Technol 2007; 1(2): 127-33.	2007
298	Keshtkar A. Design And Construction Of Small Sized Pencil Probe To Measure Bio-Impedance. Med Eng Phys J 2007; 29:1043-8.	2007
299	Keshtkar A. Virtual Bladder Biopsy Using Bio-Impedance Spectroscopy At 62.500 Hz–1.024 Mhz. Measurement 2007; 40(6):585-590.	2007
300	Mehnaty P. Interphase Death Of Chinese Hamster Ovary Cells Exposed To Accelerated Heavy Ions. Iran J Med Phys 2007; 4(1):14-5.	2007
301	Mesbahi A, Farajollahi AR, Oskoi G, Naseri AR. Comparison Of Prescribed Dose And Delivered Dose To Patients In Radiotherapy Department Of Tabriz Imam-Khomeini Hospital Using In vivo Dosimetry. Med J Tabriz Univ Med Sci 2007; 28(4):103-7. (In Farsi)	2007
302	Mesbahi A, Mehnati P, Keshtkar A, Farajollahi AR. Dosimetric Properties Of A Flattening Filter-Free 6-MV Photon Beam: A Monte Carlo Study. Radiat J Med Imaging Radiat Oncol 2007; 25(7):315-24.	2007
303	Mesbahi A, Mehnati P, Keshtkar A. A Comparative Monte Carlo Study On 6MV Photon Beam Characteristics Of Varian 21EX And Elekta SL-25 Linacs. Iran J Radiat Res 2007; 5(1):23-30.	2007
304	Mesbahi A, Naseri AR, Oskoi GH. Experimental Evaluation Of Midline Dose Calculation Methods In Vivo Dosimetry Using Anatomic Thorax Phantom. Iran J Radi Res 2007; 5(2):91-5.	2007
305	Mesbahi A, Nejad FS. Dose Attenuation Effect Of Hip Prostheses In A 9-MV Photon Beam: Commercial Treatment Planning System Versus Monte Carlo Calculations. Radiat J Med Imaging Radiat Oncol 2007; 25(10):529-35.	2007
306	Mesbahi A, Nejad FS. Monte Carlo Study On The Impact Of Spinal Fixation Rods On Dose Distribution In Photon Beams. Rep Prac Oncol Radiother 2007; 12(5):261-6.	2007
307	Mesbahi A. Dosimetric Characteristics Of Unflattened 6 MV Photon Beams Of A Clinical Linear Accelerator: A Monte Carlo Study. Appl Radiat Isotopes 2007;65(9):1029-36.	2007
308	Farajollahi A, Mesbahi A. Monte Carlo Dose Calculations For A 6-MV Photon Beam In A Thorax Phantom. J Med Imag Radiat Onc 2006; 24(4):269-76.	2006

309	Farajollahi AR, Sedaghat K, Alizadeh M, Ashrafi Hafez A. Description And Pathology Of Research Development In Tabriz Medical University. J Med Educ 2006; 9(2): 105-13.	2006
310	Keshtkar A, Keshtkar As. Electrical Impedance Spectroscopy And The Diagnosis Of Bladder Pathology. Physiol Meas J 2006; 27:585-96.	2006
	Mehnati P, Keshtkar A, Mesbahi A, H. Sasaki. Track Detection On The Cells Exposed To High LET Heavy-Ions By CR-39 Plastic And Terminal Deoxynucleotidyl Transferase (Tdt). Iran J Radiat Res 2006; 4(3): 137-41.	2006
311	Mesbahi A, Reilly AJ, Thwaites DI. Development And Commissioning Of A Monte Carlo Photon Beam Model For Varian Clinac 2100EX Linear Accelerator. Appl Radiat Isotopes 2006; 64(6):656-62.	2006
312	Mesbahi A, Thwaites DI, Reilly AJ. Experimental And Monte Carlo Evaluation Of Eclipse Treatment Planning System For Lung Dose Calculations. Rep Prac Oncol Radiother 2006; 11(3):123-33.	2006
313	Mesbahi A. Development A Simple Point Source Model For Elekta SL-25 Linear Accelerator Using MCNP4C Monte Carlo Code. Iran J Radiati Res 2006; 4(1):7-14.	2006
314	Mehnati P, Morimoto Sh, Yatagai F, Sasaki H. Exploration Of Over Kill Effect Of High-LET Ar- and Fe-Ions By Evaluating The Fraction Of Non-Hit Cell And Interphase Death. J Radiat Res 2005; 46(3): 343-50.	2005
315	Mesbahi A, Allahverdi M, Gheraati H. Monte Carlo Dose Calculations In Conventional Thorax Fields For 60Co Photons. Radiat J Med Imaging Radiat Oncol 2005; 23(5):341-50.	2005
316	Mesbahi A, Fix M, Allahverdi M, Grein E, Garaati H. Monte Carlo Calculation of Varian 2300 Linac Photon Beam Characteristics: A Comparison Between MCNP4C, GEANT3 and Measurements. Appl Radiat Isotopes 2005; 62(3):469-77.	2005
317	Rasta SH, Manivannan A, Sharp PF. Perfusion Imaging Of The Retina: Device Adaption. Abstract In Med Laser Appl 2005; 20(2), 156-7.	2005
318	Walker DC, Smallwood RH, Keshtkar A, Wilkinson BA, Hamdy FC, Lee JA. Modelling The Electrical Properties Of Bladder Tissue-Quantifying Impedance Changes Due To Inflammation And Oedema. Physiol Meas J 2005; 26 251-68.	2005
319	Zarea V, Farajollahi AR. The Accuracy Of Cited Internet-Based Resources In Specialty Theses Of Medicine. Quarterly Book 2005; 61:9-16.	2005
320	Farajollahi AR, Pirayesh Islamian J, Saedipour H. Measurement Of Dose Distribution Using Polymer Gel For Potential Verification Of A Treatment Planning System. Pharmaceutical Sci 2004; 2:31-40.	2004
321	Mesbahi A, Allahverdi M, Gheraati H, Mohammadi E. Experimental Evaluation Of ALFARD Treatment Planning System For 6 MV Photon Irradiation: A Lung Case Study. Rep Prac Oncol Radiother 2004; 9(6):217-21.	2004
322	Mesbahi A, Mahdavi SR, Allahverdi M. Comparison Of Different Computer Speeds In Calculating Of 60Co Depth Doses By MCNP4A And MCNP4B Monte Carlo Codes. J Babol Univ Med Sci 2004; 6(3):7-11.	2004

323	Allahverdi M, mesbahi A, Attari M, Kazemian A, Geraati H. Evaluation Of Head Holder Effect On Reduction Of Geometric Errors In Radiotherapy Of Head And Neck Fields In Theradiotherapy Department Of IMAM Hospital. Iran J Med Phys 2003; 1(1):1-7.	2003
324	Mehnati P, Sasaki H. Expression Of (Poly ADP-Ribose) Polymerase And P53 In Cultured Mammalian Cells Exposed To Accelerated Heavy-Ions (Iron Or Argon). Arch Iran Med 2003; 6(2): 121-6.	2003
325	Mesbahi A, Shokrani P. Determination Of Geometric Accuracy In Radiotherapy Of Head And Neck And Pelvis Fields By Portal Radiography. Iranian J Med Phys 2003; 1:31-5.	2003
326	Pirayesh Islamian J, Hossainpour Faizi MA, Akbary Kameranwar S, Ahrabian GH, Estekhdami Mahinmorady S. Effects Of 35 Hz, 2 Mt Magnetic Field On Peripheral Blood Lymphocytes Of Human In Vitro And Rat In Vivo. J Kerman Univ Med Sci 2003; 10(4):211-18.	2003
327	Smallwood RH, Keshtkar A, Hamdy FC, Lee JA, Wilkinson B. Electrical Impedance Spectroscopy (EIS) In The Urinary Bladder: The Effect Of Inflammation And Oedema On Identification Of Malignancy. IEEE Trans Med Imaging 2002; 21(6): 708-10.	2002
328	Wilkinson B, Keshtkar A, Hamdy FC, Lee JA, Smallwood RH. Electrical Impedance Spectroscopy And The Diagnosis Of Bladder Pathology: A Pilot Study. J Urol 2002; 168(4 Pt 1): 1563-7.	2002
329	Mehnati P, Yatagai F, Sasaki H. Judgement On Hit Or Non-Hit Of CHO Cells Exposed To Accelerated Heavy Ions Using Division Delay As Indicator. Fukuka Acta Medica 2001;3: 46-58.	2001
330	Farajollahi AR, Bonnett DE, Tattam D, Green S. The Potential Use Of Polymer Gel Dosimetry In Boron Neutron Capture Therapy. Phys Med Biol 2000; 45(1):09-14.	2000
331	Hossainpour Faizi MA, Pirayesh Islamian J, Madinehad D. Evaluation Of The Mitogenic Effects Of Different Samples Of Red Kidney Beans From North West Of Iran On Human Peripheral Blood Lymphocytes In Vitro. J Agr Sci (University Of Tabriz) 2000; 9(4):01-16.	2000
332	Farajollahi AR, Bonnett DE, Ratcliffe AJ, Aukett RJ, Mills JA. An Investigation Into The Use Of Polymer Gel Dosimetry In Low Dose Rate Brochytherapy. BJR 1999; 72:1085-92.	1999
333	Hossainpour Faizi MA, Pirayesh Islamian J. Evaluation Of The Effects Of Radiotherapy On Karyotype Of Cancer Patients. Iran J Basic Med Sci 1999; 2(2):64-74.	1999
334	Hossainpour Faizi MA, Pirayesh Islamian J. Evaluation Of Chromosome Aberrations On Peripheral Blood Lymphocytes Of 43 Radiology Technologists. Basic Med Sci J Tabriz 1998; 1(1):29-34.	1998
335	Farajollahi AR, Sutton D. Evaluation Of A New Ultraviolet-Emitting Rate-Earth Film-Screen Combination. BJR 1997;70: 629-34.	1997
336	Saski H, Mehnati P, Yatagai F. Dependence Of Induction Of Interphase Death Of Chinese Hamster Ovary Cells Exposed To Heavy-Ions On Linear Energy Transfer. Radiat Res 1997; 148: 449-454.	1997

337	Keshtkar A, Sharafi AA, Arbabi A, Mozdarani H. Dosimetry In Computerised Tomography. Med J Tabriz Univ Of Med Sci 1994; 22:41-54.	1994
-----	---	------