

## **Ehsan Khodamoradi**

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### Work Experience

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#### **Associated Professor of Medical Physics**

Kermanshah University of Medical Sciences –  
Kermanshah January ۲۰۱۶ to Present  
Head of Radiology and Nuclear medicine department

#### **Lecturer of Medical Physics**

Ilam University of medical sciences –  
Ilam September ۲۰۰۷ to September ۲۰۱۰

### Education

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#### **Ph.D in Medical Physics**

Faculty of Medicine - Ahwaz  
September ۲۰۱۱ to December ۲۰۱۶

#### **MSc. in Medical Physics**

Faculty of Medicine - Isfahan  
۲۰۰۵ to May ۲۰۰۸

#### **BSc. in Physics Faculty of Sciences**

Kermanshah September  
۲۰۰۱ to September ۲۰۰۴

### Skill

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**Working with Animals, Real-Time PCR – Flow Cytometry, Cytogenetic Methods,  
Quality control in medical imaging,**

### Links

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<http://paramedical-school.kums.ac.ir/fa/educationalgroups/nuclearmedicine/groupmanager>

## Groups

Radiology and Nuclear Medicine Department, University of Medical Sciences. September ۲۰۱۵ to Present

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## Publication

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### Effect of Pentoxifylline on Staurosporine-Induced Neurite Elongation in PC12 Cells.

L Diojan, H Zhaleh, M Azadbakht, A Bidmeshkipour, E Khodamoradi  
Asian Pacific journal of cancer prevention: APJCP ۲۰ (۹), ۲۶۳۳-۲۶۳۸

### Adsorption of Radioactive Materials by Green Microalgae *Dunaliella salina* from Aqueous Solution

R Azmoonfar, M Najafi, E Khodamoradi, N Rasouli  
Iranian Journal of Medical Physics

### Mitigation of radiation-induced pneumonitis and lung fibrosis using alpha-lipoic acid and resveratrol.

R Azmoonfar, P Amini, R Yahyapour, A Rezaeyan, A Tavassoli, ...  
Anti-inflammatory & anti-allergy agents in medicinal chemistry

### Activation of Radioadaptive Response via Injected Serum of Irradiated Rats with Low Doses of Ionizing Radiation

R Azmoonfar, E Khodamoradi, M Mohammadi, A Kiani, A Haghparast, ...  
Iranian Journal of Medical Physics ۱۵, ۲۰۰-۲۰۰

### A Novel Classification Method using Effective Neural Network and Quantitative Magnetization Transfer Imaging of Brain White Matter in Relapsing Remitting Multiple Sclerosis

M Fooladi, H Sharini, S Masjoodi, A Khodamoradi  
Journal of biomedical physics & engineering ۸ (۴), ۴۰۹

### Metformin protects against radiation-induced pneumonitis and fibrosis and attenuates upregulation of dual oxidase genes expression

R Azmoonfar, P Amini, H Saffar, S Rezapoor, E Motevaseli, M Cheki, ...  
Advanced pharmaceutical bulletin ۸ (۴), ۶۹۷

### Diagnostic Efficacy of Technetium-99m-Sestamibi Scintimammography in Comparison with Mammography to Detect Breast Lesions: A Systematic Review

S Heydarheydari, SM Rezaei, M Cheki, E Khodamoradi, K Khoshgard  
Archives of Breast Cancer, ۹۸-۱۰۵

### Impact of low level radiation on concentrations of some trace elements in radiation workers

N Rostampour, T Almasi, M Rostampour, HR Sadeghi, E Khodamoradi, ...  
Journal of experimental therapeutics & oncology ۱۲ (۳), ۱۸۷-۱۹۲

### Dose–Response Curves of the FDXR and RAD51 Genes with ۶ and ۱۸ MV Beam

### Energies in Human Peripheral Blood Lymphocytes

A Saberi, E Khodamoradi, MJT Birgani, M Makvandi, B Noori  
Iranian Red Crescent Medical Journal ١٨ (١١)

### Gene expression biodosimetry: Quantitative assessment of radiation dose with total body exposure of rats

A Saberi, E Khodamoradi, MJ Tahmasebi Birgani, M Makvandi  
Asian Pac J Cancer Prev ١٦ (١٨), ٨٥٥٣-٨٥٥٧

### Assessment of gamma-dose rate in city of Kermanshah

ZS Mohamad Bagher Tavakoli, Ehsan Kodamoradi  
J Educ Health Promot

### Estimation of absorbed dose of salivary glands in radioiodine therapy and its reduction using pilocarpine [Persian]

D Shahbazi-Gahrouei, Z Shahi, K Ziaie, E Khodamoradi  
Iranian Journal of Nuclear Medicine ١٥ (٢), ١-٨

### Porphyrin-based agents: potential MR imaging contrast agents for colorectal (HT٢٩/٢١٩) detection in mice

D Shahbazi-Gahrouei, E Khodamoradi  
Journal of Medical Sciences ٧ (٦), ١٠١٥-١٠٢٠

### Novel MR imaging contrast agents for detection of HT٢٩/٢١٩ cells in mice

D Shahbazi-Gahrouei, E Khodamoradi  
Proc. ISMRM-ESMRMB Annual Meeting in Berlin, Germany ١٩-٢٥ May

### Preclinical evaluation of Gadolinium (III) texaphyrin complex: A new paramagnetic contrast agent for magnetic resonance imaging.

D Shahbazi-Gahrouei, E Khodamoradi, L Bourre, G Simonneaux, ...  
Journal of Medical Sciences ٧ (٦), ١٧٩-١٩٢

Books: - Radioactivity, Radionuclides, Radiation. J. Magil, J.Gally. (Translated in Persian). Rostampour N., Khodamoradi E, Aivazi M. T, ٨٨٨٨. ISBN: ٨٢٨-٩٨٨-٥٨٨٩-٩١١-٠.

#### Additional Information

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- **Member of Iranian Association of Medical Physicists.**
- **Technology Development Officer (TDO) of faculty of paramedical sciences, Kermanshah University of Medical Sciences**

- **International Affairs Officer of faculty of paramedical sciences, Kermanshah University of Medical Sciences**

## Teaching experiences

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- Radiation Protection for Radiology Student
- Radiation Dosimetry for Radiology Student
- ‘Radio biology’ for Nuclear Medicine Student
- ‘Radiobiology’ for Radiology Student
- ‘Medical Physics’ for medical student
- ‘Fundamentals of diagnostic radiology’ for Nuclear Medicine Student
- ‘The Physics of Ultrasound’ for Radiology Student
- ‘The physics of Medical lab instrumentation’ for Medical Lab Student
- ‘Biophysics’ for Medical Lab Student
- ‘Diagnostic Radiology and Radioactivity’ for Nuclear Medicine Student
- ‘Quality Control of Medical Imaging’ for Radiology Student
- ‘Medical Physics and Robotic’ for paramedical Student.
- ‘The physics of Anesthesia’ for Anesthesia Student
- ‘Health physics’ for Health Student
- The Physics of MRI’ for Radiology Student
- ‘The Physics of Diagnostic Radiology’ for Radiology Student
- Physics for Radiology Student
- Radiation Dosimetry for MSc. of Radiation Biology Student
- Radiation Biology for MSc. of Radiation Biology Student
- Nuclear Physics for MSc. of Radiation Biology Student
- The Physics of Anesthesia for International Anesthesia Student
- The Physics for International Medical Lab Student
- Radiation shielding MSc. of Radiation Biology Student

- Biological Dosimetry MSc. of Radiation Biology Student

- Application of radiation sources in industry, agriculture and MSc. of Radiation Biology Student