

## *Curriculum Vitae*

### **Mahdieh Ahmadi Kamalabadi**

Nationality Iranian  
Address Department Of Radiology, Faculty of Paramedicine Sciences,  
Rafsanjan University of Medical Sciences, Rafsanjan, Iran.  
Phone +۹۸-۰۳۴-۳۴۲۰۰۹۰۰  
Email [Mkniloo@yahoo.com](mailto:Mkniloo@yahoo.com)

### ***Education:***

**M.Sc.** Radibiology and Radiation Protection, Iran University of Medical Sciences, Tehran, Iran (Oct ۲۰۱۶-September ۲۰۱۹)

#### *Thesis subject:*

- Investigation of the effects of folic acid conjugated gold coated magnetic nanoparticles in the presence of electric field and  $^{60}\text{Co}$  X-ray on cell survival and induction of apoptosis in KB and HGF cell lines

**B.Sc.** Radiology, Shiraz University of Medical Sciences, Shiraz, Iran (February ۲۰۰۵- February ۲۰۰۷)

**A.Sc.** Radiology, Rafsanjan University of Medical Science, Rafsanjan, Iran (Oct ۲۰۰۰- Jul ۲۰۰۲)

### ***Teaching Experiences:***

- *Physical Principles of Computed Tomography Systems*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran
- *Physics of diagnostic radiology*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Radiographic Methods ( 1, ۲, ۳)*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Special Radiographic Methods*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Computed Tomography Techniques*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Radiobiology*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Medical Imaging Display and Record*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Radiation Protection*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- *Assurance and quality control of medical imaging methods*, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.

### ***Academic Awards:***

- Receive a letter of appreciation from the ۳th Festival of Knowledge (Special thanks to excellent students of Shiraz University of Medical Sciences), Shiraz, Iran, January ۲۰۰۷.

### ***Research Skills:***

- Cell Culture
- MTT Assay
- Flow Cytometry

### Workshops:

- Flow cytometry, Shiraz University of Medical Sciences, Shiraz, Iran, ۲۰۱۸.
- Western blotting, Shiraz University of Medical Sciences, Shiraz, Iran, ۲۰۱۸.

### Publications:

۱. Freshteh Koosha, Samira Eynali, Nazila Eyvazzadeh, **Mahdieh Ahmadi Kamalabadi\***. **The effect of iodine-<sup>131</sup> beta-particles in combination with A-966492 and Topotecan on radio-sensitization of glioblastoma: An in-vitro study.** *Applied Radiation and Isotopes*, ۲۰۲۱, ۱۷۷:۱۰۹۹۰-۹۹۰. <https://doi.org/10.1016/j.apradiso.2021.109904>
۲. Sepand Tehrani Fateh, **Mahdieh Ahmadi Kamalabadi**, Azita Aliakbari, Saeideh Jafarinejad-Farsangi, Maedeh Koochi, Elham Jafari, Zahra Miri Karam, Fariborz Keyhanfar, Amin Shiralizadeh Dezfuli. **Hydrophobic@Amphiphilic Hybrid Nanostructure of Iron-oxide and Graphene Quantum Dot Surfactant as a Theranostic Platform.** *OpenNano*, ۲۰۲۲, ۱۰۰۰۳۷. <https://doi.org/10.1016/j.onano.2022.100037>
۳. Sanaz Hekmat, Ali Neshasteriz, **Mahdieh Ahmadi Kamalabadi**, Samira Eynali, Habib Ghaznavi, Elham Afjeh-Dana. **Different Effects of Reversible Electroporation-Mediated Fe<sup>3+</sup>O<sub>4</sub>@AuNPs Delivery as Radiosensitizing Agents on Cancer Cells versus Normal Cells.** *NANO*, ۲۰۲۲. <https://doi.org/10.1182/S1793292.2200037>

### Research projects:

۱. Association of the relationship between nutritional status and disease severity in the population of patients with Covid-۱۹ covered by the Rafsanjan cohort study
۲. Investigating the association between clinical history and personal habits with the severity of COVID-۱۹ disease
۳. Investigation some indicators of recovery in patients with COVID-۱۹ in Rafsanjan in ۲۰۲۰
۴. Investigation of cytotoxic effect of magnetic field (MRI) on normal MCF-۱۰ and cancerous MCF-۷ cell lines.
۵. Study of MRI effect on Oct-۴ and Nanog genes in mesenchymal stem cells derived from amniotic fluid and umbilical cord.
۶. Investigation of cytotoxic bystander effects of magnetic field on normal MCF-۱۰ and cancerous MCF-۷ cell lines.
۷. Evaluation of the Radiation protection knowledge of the operating room staffs in Rafsanjan University of Medical Science hospitals in ۲۰۱۵
۸. Internal evaluation of radiology department of Rafsanjan School of nursing, midwifery and paramedical sciences from ۲۰۰۴ to ۲۰۰۹.

### Conference Participations:

۱. Breast cancer screening and mammography findings in women referred to radiology department of Moradi medical center in Rafsanjan. National conference of radiological sciences: The role of radiation in diagnosis and treatment, Rafsanjan University of Medical Sciences, Rafsanjan, Iran, ۲۰۱۸.
۲. Evaluation of collimation and beam perpendicular of radiographic devices in diagnostic radiology departments of Rafsanjan hospitals in ۲۰۱۲. ۸th student congress of eastern medical sciences universities, North Khorasan University of Medical Sciences, Bojnourd, Iran, ۲۰۱۲.

### Research Interests:

- Radiobiology & Radiation Protection
- Cancer Nanotechnology
- Nanomedicine