Zahra Jomehzadeh

Last Update: August 2015

Personal information

First Name: Zahra
Last Name: Jomehzadeh Mahani
Birth Date: 5/6/1974
Marital status: Married

Contact Information

Department of Medical Physics, Medical School, Kerman University of Medical Sciences,
22th Bahman Blvd, Kerman, Iran.
Tell: (+98)341-3221660
Home Page: Under Construction
E-Mail: z_ jomehzadeh@yahoo.com

Educational History

1997– 2001

 M. Sc: Medical Physics. Dept., Isfahan University of Medical Sciences,
Isfahan, Iran.
 Major: Medical Physics
 Title of Thesis: Comparison of Megavoltage Photon and Electron Beams Using Dosimetry Protocols: TRS-398, TRS-381, TRS-277, TG-21 and TG-51
 Research Advisors:
Dr. Parvaneh Shokrani,
Associated professor, Medical Physics Department, Isfahan University of Medical Sciences,
Isfahan, Iran.
Email:Shokrani14@yahoo.com

1993–1997

 B. Sc: Physics. Dep., Shahid Bahonar University of Kerman, Kerman, Iran.
 Major: Applied Physics

Academic Appointments

Year	Acamenic Rank	Institute
2003-present	Instructor of Medical Physics	Kerman Uni Med Sci

Research Interests

• **Radiation Therapy**
• **Medical Dosimetry**
 IAEA Protocols in Radiotherapy
 AAPM Protocols in Radiotherapy
• **Radiation Protection**
 Radiation Protection in Medical Radiation
 Environmental Radiation Protection

Publications

1- Jomehzadeh A. **Jomehzadeh Z,** Tavakoli MB. **Quality Control of Radiography X-ray Generators in Kerman Province, Southeastern Iran.** IJMP (In Press).

2- Jomehzadeh E, Saidi AR, **Jomehzadeh Z**, Bonaccorso F, Palermo V, Galiotis C, Pugno NM. **Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite**. Computational Materials Science, 99, 2015.

3- Jomehzadeh A**, Jomehzadeh Z**, Gholami M. **Survey of Sodium Iodide-131 Contamination at Nuclear Medicine Department in Shafa Kerman Hospital.** 1st Research Festival of the Radiological Students, Siraz, Iran, 2010.

4- Jomehzadeh A, **Jomehzadeh Z**, Gholami M. **Gamma Dose Rate Measurement in Bibihayat Region of Rafsanjan.** The 9th Iranian Congeress of Medical Physics, Tehran, 2010.

5- **Jomehzadeh Z**, Jomehzadeh A, Gholami M. **Gamma Dose Rate Measurement and Dose Rate Calculation for Sensitive Organs in the Vicinity of Hot Springs in Kerman Province.** The 9th Iranian Congress of Medical Physics, Tehran, 2010.

6- Jomehzadeh A, **Jomehzadeh Z**. **Gamma Dose Rate Measurement and Dose Rate Calculation for Sensitive Organs in the Vicinity of Hot Springs in Kerman Province.** Iranian Journal of Medical Physics; 5(2), 2009.

7- **Jomehzadeh Z**, Jomehzadeh A. **Indoor Radiation Leakage from Treatment Room of Nepton-10PC in Sahfa Hospital of Kerman.** Radiation Protection Congress, Tehran, 2009.

8- Jomehzadeh A, **Jomehzadeh Z. Natural Radiation Evaluation in Vicinity of Bardsir, Zarand and Jiroft Hot Springs in Kerman Province.** The 8th Iranian Congress of Medical Physics, Tehran, 2008.

9- Jomehzadeh A, **Jomehzadeh Z.** Comparison of Background Radiation Before and After the Bam Earthquake. The 6th Congress of the Iranian Radiological Sciences Association, Shiraz, Iran, 2008.

10- Shokrani P, **Jomehzadeh Z. Reference Dosimetry for Megavoltage Electron Breams in Radiotherapy Using New IAEA and AAPM Dosimetry Protocols.** The 5th Iranian Congress of Medical Physics, Tehran, 2002.

11- Shokrani P, **Jomehzadeh Z. Comparison of AAPM TG-21 and TG-51 Protocols, IAEA 1987 (TRS-277), 1966 (TRS-381) and 2000 (TRS-398) Codes of practice for dosimetry calibration of Radiotherapy x rays and electron beams**. Recent Developments in Accurate Radiation Dosimetry Congress, Montreal, Canada, 2001.

Experience

Teaching:

- 2003-2011, "**General Physics**" to students of Radiology, Kerman University of Medical Sciences.
- 2003-2011, "**Applied Physics**" to students of Laboratory Sciences, Kerman University of Medical Sciences.

 2003-2011, "**General Physics**" to students of Laboratory Sciences, Kerman University of Medical Sciences.
 2003-2011, "**Anesthesia Physics**" to students of Anesthesia, Kerman University of Medical Sciences.
 2003-2011, "**Medical Physics**" to students of Operation Room, Kerman University of Medical Sciences.
 2010-2011, "**Radiation Physics**" to students of Radiology, Kerman University of Medical Sciences.
 2009-2011, "**Radiation Diagnostics Physics**" to students of Radiology, Kerman University of Medical Sciences.
 2003-2011, "**General Physics**" to students of General Health, Kerman University of Medical Sciences.
 2003-2011, "**General Physics**" to students of Environmental Health, Kerman University of Medical Sciences.
 2003-2011, "**General Physics**" to students of General Health, Kerman University of Medical Sciences.
 2003-2011, "**General Physics 1**" to students of Professional Health, Kerman University of Medical Sciences.
 2003-2011, "**General Physics 2**" to students of Professional Health, Kerman University of Medical Sciences.
 2003-2011, "**General Physics** " to students of Family Health, Kerman University of Medical Sciences.
 2003-2011, "**Special Physics 1**" to students of Professional Health, Kerman University of Medical Sciences.
 2003-2011, "**Special Physics 2**" to students of Professional Health, Kerman University of Medical Sciences.
 2003-2011, "**Special Physics**" to students of Professional Health, Kerman University of Medical Sciences.
 2010-2011, "**Physics for Physiotherapist**" to students of Professional Health, Kerman University of Medical Sciences.

Workshops:

2010 2 Days " **Quality Assurance in Radiotherapy with Emphasis on Preventing Unintended Exposure**" IAEA, Tehran, Iran.
2008 1 Day " **Course Plane**" Kerman University of Medical Sciences. Kerman. Iran.
2008 1 Day " **Principles of Article Writing**" Kerman University of Medical Sciences. Kerman. Iran.
2008 1 Day " **Poster Planning**" Kerman University of Medical Sciences. Kerman. Iran.
2008 1 Day " **Advanced Research Methodology**" Kerman University of Medical Sciences. Kerman. Iran.
2007 1 Day " **Principles of Questionnaire Planning"** Kerman University of Medical Sciences. Kerman. Iran.
2007 2 Days " **Physics of Medical Accelerators**" Shahidbeheshti University of Medical Sciences, Tehran, Iran.
2006 3 Days " **Teaching Method, Evaluation Method and Question Planning**" Kerman University of Medical Sciences, Kerman, Iran.
2006 1 Day " **Educational Objectives & Educational Curriculum**" Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
2006 2 Days " **Scientific and Educational Advisory** " Yazd University of Medical Sciences, Yazd, Iran.
2006 1 Day "**Medical Ethics**" TUMS, Tehran, Iran.
2006 2 Days " **Revolution an Medical Education**" Shahidbeheshti University of Medical Sciences, Tehran, Iran.
2006 2 Days " **Scientific Writing**" Iran University of Medical Sciences, Tehran, Iran.
2006 1 Day " **Primary Statistics & Research Methodology**" Mazandaran University of Medical Sciences, Sari, Iran.
2006 1 Day " **Advanced Statistics & Research Methodology**" Mazandaran University of Medical Sciences, Sari, Iran.
2006 1 Day " **Electronic Resources**" Mashhad University of Medical Sciences, Mashhad, Iran.

2006 1 Day " **Writing a curriculum Vita**" Kerman University of Medical Sciences. Kerman. Iran.
2005 2 Days " **Preliminary Internet**" Kerman University of Medical Sciences. Kerman. Iran.
2005 2 Days " **Advanced Internet** " Kerman University of Medical Sciences. Kerman. Iran.
2005 1 Day " **Endnote Software and its application in management**" Kerman University of Medical Sciences. Kerman. Iran.
2005 3 Days "**Preliminary Research Methodology**" Kerman University of Medical Sciences. Kerman. Iran.
2005 5 Days "**Education of Dosimetry**" Iranian Nuclear Society. Karaj, Iran.
2004 2 Days " **Course Plan & Course Scheduling**" Kerman University of Medical Sciences. Kerman. Iran.

Academic activities

- *Iranian Association of Medical Physics*, Member, 2003 - Present.

Scientific-Executive Records

- 2011-Present, Head Group of General Education Dept, Kerman University of Medical Sciences.
- 2003-2011, Physicist in Shafa Hospital, Radiotherapy Dept, Shafa Hospital of Kerman,Kerman, Iran.

Honors

- Ranked 1st among the M.Sc students of Medical Physics, Isfahan University of Medical Sciences, 2001.

Languages

- **Persian** *(native)*
- **English** *(fluent in reading and writing and audible understanding)*

Extracurricular Activities

- **Sport**

Walking