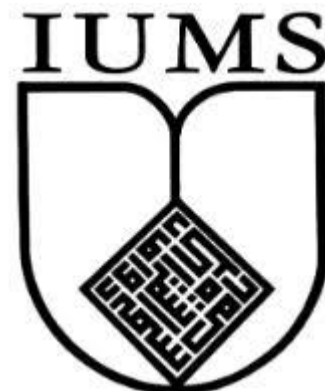


Curriculum Vitae



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NAME:

POSITION TITLE: Associate Professor

RESEARCH IDs

Item	Value	Web address
ORCID	0000-0003-2478-3014	https://orcid.org/0000-0003-2478-3014
Researcher ID	F-3140-2018	http://www.researcherid.com/rid/F-3140-2018
Scopus Author ID	35766240700	https://www.scopus.com/authid/detail.uri?authorId=35766240700

EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
Tehran university of medical sciences, Tehran, IRAN	Ph.D.	2005	2010	Medical Physics
Isfahan university of medical sciences, Isfahan, IRAN	M.Sc.	1997	2002	Medical Physics
Mashhad university of medical sciences, Mashhad, IRAN	B.S	1991	1995	Technology of Radiology

RESEARCH ITEREST

My research is focused on:

- Assessment of Radiation-Induced Cancer Risk
- Radiotherapy
- Radiobiology
- Medical Imaging
- Monte Carlo simulation

HONORS AND AWARDS

1995	The first prize undergraduate student	Mashhad university of medical sciences, Mashhad, IRAN
1998	First rank of M.Sc Entrance Exam	Ministry of Health and medical education
2002	Top student of M.Sc	Isfahan university of medical sciences, Isfahan, IRAN
2005	First rank of Ph.D Entrance Exam	Ministry of Health and medical education
2009	Top student of Ph.D	Tehran university of medical sciences, Tehran, IRAN
2009	Brilliant talent	Brilliant talents center of Tehran university of medical sciences, Tehran, IRAN

POSITIONS AND EMPLOYMENT

2010- 2014	Assistant Professor of Medical Physics	Shahid Sadoughi university of medical sciences, Yazd, IRAN
2010- 2013	Head of Medical Physics Department	Shahid Sadoughi university of medical sciences, Yazd, IRAN
2011- 2015	EDO member of medicine faculty	Shahid Sadoughi university of medical sciences, Yazd, IRAN
2013- 2014	Member of the Research Council of Post Graduate Studies	Shahid Sadoughi university of medical sciences, Yazd, IRAN
2010- 2013	Member of the Education Council of Paramedicine School	Shahid Sadoughi university of medical sciences, Yazd, IRAN
2015 - 2020	Associate Professor of Medical Physics	Isfahan university of medical sciences, Isfahan, IRAN
2017 - Present	Head of the Student Research Committee of Allied Medical Sciences Faculty	Isfahan university of medical sciences, Isfahan, IRAN
2017 - 2020	Educational deputy of Allied Medical Sciences Faculty	Isfahan university of medical sciences, Isfahan, IRAN
2020- Present	Professor of Medical Physics	Isfahan university of medical sciences, Isfahan, IRAN

PUBLICATIONS AND CONTRIBUTIONS

	Authors	Title	Journal
1	Shokrani, P; Chaparian, A; Monadi, S and .Jalili, s	A pelvic and cervix phantom for imaging, treatment planning and dosimetry for radiation treatment verification, quality assurance and training	<i>Iranian Journal of Medical Physics.</i> 2003;1(2) (Scopus)
2	Chaparian, A; Oghabian, MA and Changizi, V	Acquiring molecular interference functions of X-ray coherent scattering for breast tissues by combination of simulation and experimental methods	<i>Iran. J. Radiat. Res.,</i> 2009; 7 (2): 113-117 (ISI)
3	Chaparian, A; Oghabian, MA; Changizi, V and Fraquhorson, M	The optimization of an energy dispersive x-ray diffraction system for potential clinical application	<i>Applied Radiation and Isotopes Journal</i> 68 (2010) 2237-2245 (ISI)
4	Chaparian, A; Oghabian, MA and Changizi, ;V	Introducing an Optimized Method for Obtaining X-ray Diffraction Patterns of Biological Tissues	<i>Iranian Journal of Medical Physics.</i> 2012; Vol. 8, No. 1, 9-17(Scopus).
5	Ali Chaparian, Iman Tavakoli, Vahid Karimi	Organ doses, Effective dose and Radiation risk assessment in pediatric radiography of the paranasal sinuses (Waters view)	<i>Asian Biomedicine</i> 2013 Vol. 7 No. 5; 695-698. (ISI)
6	Ali Chaparian, Farimah shamsi, Ali heydari	Assessment of awareness, attitude, and practice of radiographers about radiation protection in Yazd Province (Persian)	<i>tkj</i> 2013, 5(1): 16-23 (ISC)
7	Ali Chaparian, Mahdi Aghabagheri	Fetal radiation doses and subsequent risks from X-ray examinations: Should we be concerned?	<i>Iran J Reprod Med</i> 2013 Vol. 11. No. 11. .pp: 899-904 (ISI)
8	A. Chaparian, A. Kanani, M. Baghbanian	Reduction of radiation risks in patients undergoing some X-ray examinations by using optimal projections: A Monte Carlo program-based mathematical calculation	<i>Journal of Medical Physics, Vol. 39, No. 1, 32-9, 2014</i> (Pubmed)
9	Ali Chaparian , Hosain Hekmati	Physicians' awareness on Biological Effects of ionizing radiation applied in radiological imaging procedures in Yazd province	<i>Journal of Community Health Research.</i> 2014;

	Moghadam and Mahsa Mansourian		3(2):78-85. (ISC)
10	A. Chaparian, P. Shokrani	Assessment of radiation treatment chain for cervical cancer with combined external and brachy radiation therapy	<i>G.J.O.</i> 2015; Issue 17: 24-29 (Pubmed)
11	H. Nahangi and A. Chaparian*	Assessment of radiation risk to pediatric patients undergoing conventional X-ray examinations	<i>Radioprotection.</i> 2015; 50 (1): 15-22 (ISI)
12	A. Chaparian*	Evaluation of patients' knowledge about the risks of ionizing radiations used in imaging centers of Yazd hospitals in 1393 (Persian)	<i>Toloee behdasht (ISC)(Farsi)</i>
13	A. Chaparian*	Evaluation of radiation-induced cancer risk to patients undergoing intra-oral and panoramic dental radiographies using experimental measurements and Monte Carlo calculations	<i>Int. J. Radiat. Res., Vol. 15 No. 2, April 2017 (ISI)</i>
14	H Karimi and A. Chaparian*	Estimating Risk of Exposure Induced Cancer Death in Patients Undergoing Computed Tomography Pulmonary Angiography	<i>Radioprotection</i> 2017, 52(2), 81–86 (ISI)
15	A. Chaparian* and H Karimi	Assessment of radiation-induced cancer risk to patients undergoing computed tomography angiography scans.	<i>Int. J. Radiat. Res., Vol. 16 No. 1, January 2018 (ISI)</i>
16	Hanie Kaheni, Ali Chaparian*, Reza Nafisi-Moghadam, Nima Hamziyan	Assessment of image quality and radiation dose in some models of digital radiography systems - A Pehamed FLUORAD A+D phantom study	<i>Radioprotection</i> 2018, 53(2), 139–144 (ISI)
17	Ali Chaparian*, Jamshid Shoushtarian, Zahra Sadeghi, Somaieh Soosani, Mahshid Sabagh, Elham Askarieh	Evaluating the Justification of Computed Tomography (CT) Scan Requests to Reduce the Risk of Radiation-Induced Cancers	Journal of Isfahan Medical School Vol. 36, No. 477, 1st Week, July 2018 (Scopus) (Farsi)
18	Somayeh Sousany, Ali Chaparian*,	Assessment of digital radiography awareness among the radiographers occupied in Isfahan City, Iran	Journal of Isfahan Medical School 36(506), pp. 1450-

	Romina Rajaei		1456
19	Ali Chaparian* ,	Evaluation of image quality and radiation dose in upgraded analog radiographic systems using the contrast detail radiography (CDRAD) phantom	<i>Journal of Isfahan Medical School</i> 37(547), pp. 1169-1175
20	M Sabagh, Ali Chaparian* ,	Evaluation of blood parameters of the medical radiation workers	<i>Iranian Journal of Medical Physics</i> 16(6), pp. 439-443
21	Ali Chaparian* ,	Comparative assessment of the influences of iterative model reconstruction (IMR) and hybrid-iterative reconstruction (HIR) on image quality of 256-slice coronary computed tomography angiography	<i>Journal of Isfahan Medical School</i> 37(554), pp. 1325-1332
22	M Mahmoodi, Ali Chaparian* ,	Organ doses, effective dose, and cancer risk from coronary CT angiography examinations	<i>American Journal of Roentgenology</i> 214(5), pp. 1131-1136
23	Ghadimi P, Chaparian A* , Mahmoodi M, Bagheri J.	Influences of Adaptive Statistical Iterative Reconstruction on Image Quality and Dose Reduction in Coronary Computed Tomography Angiography	<i>J Isfahan Med Sch</i> 2020; 37(553): 1286-93.
24	Hooshangi M, Chaparian A* .	Radiation Hormesis in the Scope of Radiology: A Review Article	<i>J Isfahan Med Sch</i> 2020; 38(562): 39-48.
25	MR Choopani, A Chaparian*	Introduction of a new parameter for evaluation of digital radiography systems performance	<i>J Med Signals Sens</i> 2020;10:196-200.
26	M Haghighi, A Chaparian* , J Bagheri	Influences of the "kV Assist" Technique on Image Quality and the Reduction of Effective Dose and Carcinogenic Risk of Coronary CT Angiography	<i>J Isfahan Med Sch</i> 2021; 39(610): 20-6.
27	MH Asemanrafat, A Chaparian* , M Lotfi, A Rasekhi	Impact of Iterative Reconstruction Algorithms on Image Quality and Radiation Dose in CT scan of Patients with Malignant Pancreatic Lesions	<i>Journal of Medical Signals & Sensors Volume 12 Issue 1 January-March 2022</i>

Oral and Poster presentations

World Congress on Medical Physics ,September 7 - 12, 2009, Munich, Germany Vol. 25/4	Obtaining Molecular Interference Functions of X Ray Coherent Scattering for Breast Tissues
Iranian Conference of Medical Physics (ICMP 2011)	Optimization of X-Ray Coherent Measurement System for Extraction of Molecular Properties of Biological Tissues
The first international conference on women's oncology in Yazd	Evaluation of Accuracy and Consistency of External Radiation Therapy and Brachytherapy of Cervical Cancer
1st MEFOMP International Conference Medical Physics	A novel method for recording of energy dispersive x-ray diffraction (EDXRD) of biological tissues with ability of clinical usage
Iran J Radiol. 2012, 9	Radiation risk assessment in common pediatric radiographic

(SUPP.1)	examinations
Iran J Radiol. 2013, 10 (SUPP.1)	ESTIMATION OF RADIATION RISKS TO CONCEPTUS DURING RADIOGRAPHIC EXAMINATIONS OF PREGNANT WOMEN
Iran J Radiol. 2014, 11 (SUPP.1)	Using optimal projections for reduction of radiation risks in patients undergoing some radiographies
Iranian Conference of Medical Physics (ICMP 2014)	Reduction of hereditary effects due to ionizing radiation in the abdomen, pelvis and lumbar X-ray examinations by using of the optimal projections
Iran J Radiol. 2017 May; Special Issue (s)	Risk of Exposure-Induced Cancer Death values associated with the abdominal computed tomography angiography
15th congress of Iranian Radiographic Science Association (IRSA-2017) (poster)	Patients' awareness on the risks of ionizing radiations applied in radiological imaging procedures

Books

Physics of Diagnostic Radiology

Quality assurance and control for medical imaging systems

PROFESSIONAL SERVICES

Reviewer in the international journals

2010-Present Reviewer in the journals (Iranian Journal of Medical Physics, Jentashapir Journal of Health Research, Iranian Journal of Reproductive Medicine, Cell Journal, the journal Paediatrics Today, Journal of Community Health Research, International Journal of Radiation Research, International Research Journal of Public and Environmental Health, Journal of Health Research, Occupational Medicine Quarterly Journal, Tolooe behdasht, SSU Journal, Journal of Isfahan Medical School)

TEACHING EXPERIENCE

2000-Present Teaching different lessons for medical students at different levels include:

Medical Physics, Physics of Diagnostic Radiology, Computed Tomography, MRI, Radiobiology, Radiation Protection, Theoretical Foundations of Medical Imaging, Physics of Radiotherapy, Nuclear Medicine, Physics of Imaging, and Apprenticeship of Medical Imaging departments

PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

2000-Present Member of Iranian Medical Physics Association

2016 – Present Member of European Radiology Association