

Dr. Yousif Mohamed Y. Abdallah

Personal information:

Birth date: Dec.25, 1983, Khartoum- Sudan.
Nationality: Sudanese
M. Status: Married
Language: Arabic, English and French
E. Mail: y.yousif@mu.edu.sa
yousifmohamed@outlook.com
<https://orcid.org/0000-0001-8434-2515>
ResearcherID: [D-1491-2015](https://orcid.org/0000-0001-8434-2515)
Scopus Author ID: [57193844793](https://orcid.org/0000-0001-8434-2515)



Career Path & Intentions

I certainly enjoyed my experience in Radiotherapy and Nuclear Medicine, particularly it has been in different institutions and hospitals with different Medical Cultures and allocated resources. Radiotherapy and Nuclear Medicine Technology has always been my aspiration and my life. As years passed, I accumulated a tremendous number of skills and knowledge in Radiotherapy and Nuclear Medicine, Conventional Radiology, Radiation Protection, Bioinformatics Technology, PACS, Image processing, clinically and lecturing that will enable me to provide a valuable service to the community as a Researcher and Consultant in this field. My method of translating this into day to day in clinical practice is non-exhaustible and my habit of exchanging knowledge and expertise with others in those fields is the code and secret of success.

Education

- Jun. 2013 – Sep 2015** **University of Gezira**
Master of Science, Nuclear Medicine
Wad Medani, Sudan
- Jan.2010 – Jun. 2013** **Sudan University of Science and Technology**
Doctor of Philosophy, Radiation Therapy
Khartoum, Sudan
- Nov 2007 – Nov 2009** **Sudan University of Science and Technology**
Master of Science, Radiation Therapy Technology
Khartoum, Sudan
- Oct 2001 – Oct 2005** **Sudan University of Science and Technology**
Bachelor of Science, Radiation Therapy
Khartoum, Sudan

Thesis:

- Jun 2013 – Sep 2015** **Assessment of Quality Control Program for Accepted ⁹⁹Mo-^{99m}Tc Generator and Kids**
University of Gezira
Master of Science, Nuclear Medicine
Wad Medani, Sudan
- Jan.2010 – Jun.2013** **Evaluation of Chest Organs Motion in External Beam Radiotherapy**

- Sudan University of Science and Technology
Doctor of Philosophy, Radiation Therapy
Khartoum, Sudan
- Nov 2007 – Nov 2009* **Computed Verification of Light and Radiation Field Size on Cobalt-60 machine**
Sudan University of Science and Technology
Master of Science, Radiation Therapy Technology
Khartoum, Sudan
- Oct 2001 – Oct 2005* **Design Mold Room in Radiation and Isotopes Center of Khartoum (RICK)**
Sudan University of Science and Technology
Bachelor of Science, Radiation Therapy
Khartoum, Sudan

Working Experience

- Dec. 2018 – Present* **Professor (Associate)**
Radiological Science and Medical Imaging Department, College of Applied Medical Sciences, Majmaah University, Majmaah, Saudi Arabia
- March 2015 – Dec. 2018* **Professor (Assistant)**
Radiological Science and Medical Imaging Department, College of Applied Medical Sciences, Majmaah University, Majmaah, Saudi Arabia
- June 2013 – March 2015* **Professor (Assistant)**
College of Medical Radiological Sciences, Sudan University of Science & Technology, Khartoum, Sudan
- Apr.2013- October 2014* **College Registrar**
College of Medical Radiological Sciences, Sudan University of Science & Technology, Khartoum, Sudan
- Sept. 2009 – Sept. 2013* **Professor (Assistant)**
Radiology and Medical Imaging College, National University For Medical and Technical Studies, Khartoum, Sudan
- Dec. 2008- June 2013* **Lecturer**
College of Medical Radiological Sciences, Sudan University of Science & Technology, Khartoum, Sudan
- Sept. 2006 – Dec. 2008* **Assistant Teaching**
College of Medical Radiological Sciences, Sudan University of Science & Technology, Khartoum, Sudan
- Dec. 2005- May 2006* **Diagnostic Radiology Technologist**
Radiology Department, Juba Military Hospital, Juba, South Sudan

Membership

- March 2005- Present* **National Council for Sudanese Medical and Health Professionals**
Ministry of Human Resources Development, Khartoum, Sudan
- March 2008- Present* **Sudanese Medical Radiology Association (SUMRA)**
Khartoum, Sudan
- Nov. 2013- Present* **European Association of Nuclear Medicine (EANM)**

	Vienna, Austria
Nov. 2014 - Present	The European Society of Radiology (ESR) Vienna, Austria
Nov. 2014 - Present	American Association for Science and Technology (AASCIT) Wilmington, New Castle, USA
Nov. 2013 - Present	World Academy of Science, Engineering and Technology
Apr. 2009 – Mar.2015	Savanna Organization Against Cancer (SOAC) Khartoum Sudan
Feb. 2016 – Present	European Society for Hybrid Medical Imaging (ESHI) Vienna, Austria
Feb. 2016 – Present	Canadian Association of Radiologists (CAR) Ontario, Canada

Journals Editor Board Membership

- **Editorial Board Membership:**
 - Scientific and Technical Committee & Editorial Review Board on Medicine and Health Sciences, World Academy of Science, Engineering, and Technology
 - International Journal of Science and Research (IJSR)
 - Consulting Editor, Journal of Research and Reports in Focused Ultrasound
 - Consulting Editor, Journal of Reports in Medical Imaging
 - Guest Editor, American Journal of Physics and Applications (AJPA)
 - International Journal of Biomedical Science and Engineering (IJBSE)
 - Journal of Oncology Research and Experimental Medicine (JOREM)
- **Peer Reviewer**
 - Asian Journal of Medical Radiological Research
 - International Journal of Health and Rehabilitation Sciences (IJHRS)
 - Journal of Oncology Research and Experimental Medicine (JOREM)
 - Journal OncoTargets and Therapy
 - International Journal of Medical Imaging
 - Journal of Cancer Management and Research
 - Journals of Reports in Medical Imaging
 - Journal of Research and Reports in Focused Ultrasound
 - Journal of Research and Reports in Nuclear Medicine
 - American Journal of Educational Research
 - American Journal of Cancer Prevention
 - American Journal of Medical and Biological Research

Awards & Grants

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| June 2020 | Award: Dean Excellency Prize for Academy year (1440-1441H)
College of Applied Medical Science, Majmaah University, Majmaah, Saudi Arabia |
| June 2015 | Award: Dean Excellency Prize for Academy year (1436-1437H) |

College of Applied Medical Science, Majmaah University, Majmaah, Saudi Arabia

September 2010 Grant: Visitor Researcher

Project title: "4D Radiotherapy of Lung Cancer with Integration of 4D PET/CT"
Radiotherapy and Radioncology Department, Carl Gustav Carus University Hospital, OncoRay Institute (OncoRay) , Technical University of Dresden (TUD), Dresden , Germany

February 2010 PhD. Scholarship: The German Academic Exchange Service (DAAD)

March 2010 Award: Paper Publication

International Conference on Radiation Medicine Clinical Applications and Innovative Approaches, King Faisal Specialist Hospital and Research Centre Riyadh, Saudi Arabia

July 2009 Award: The best academic performance First Degree, (M.Sc.),

Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology , Khartoum, Sudan

May 2004 Award: The best academic performance - 3rd year (B.Sc.)

College of Medical Radiological Science, Sudan University of Science and Technology , Khartoum, Sudan

October 2005 Award: The best academic performance First Degree, (B.Sc.),

Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology, Khartoum, Sudan

Training Courses

October 2003 Training Course in Radiology

Radiotherapy Department, National Cancer institute (NCI), University of Cairo Cairo, Egypt

October 2003 Training Course in Radiology

Radiology Department, Nasser Institute Hospital, Ministry of Health and Population, Cairo, Egypt

February 2007 Authorization and Inspection of radiation sources in Radiotherapy

Radiation Protection Technical Committee , Sudan Atomic Energy Agency, Ministry of Science and Technology, Khartoum, Sudan

April 2007 Radiation Protection and Safety

Atomic Energy Commission (SAEC) & Department of Physics , Faculty of Science, University of Khartoum, Khartoum, Sudan

October 2007 Training Course in Radiotherapy

Institute of Nuclear Medicine Molecular Biology and Oncology (INMO), University of Gazeria, Wad Medani, Sudan

February 2008 Authorization and Inspection of radiation sources in Nuclear Medicine

Radiation Protection Technical Committee, Sudan Atomic Energy Agency, Ministry of Science and Technology, Khartoum, Sudan

March 2008 Training Course in Radiotherapy

Institute of Nuclear Medicine Molecular Biology and Oncology (INMO), University of Gazeria, Wad Medani, Sudan

October 2008 Educational Preparation

Center of Staff Development Center, University of Khartoum, Khartoum, Sudan

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- April 2009 Training Course in Radiotherapy**
National Cancer Institute (NCI), University of Gazeria, Wad Medani, Sudan
- May 2009 Authorization and Inspection of radiation sources in Nuclear Medicine**
Radiation Protection Technical Committee , Sudan Atomic Energy Agency,
Ministry of Science and Technology, Khartoum, Sudan
- June 2009 Authorization and Inspection of radiation sources in Radiotherapy**
Radiation Protection Technical Committee, Sudan Atomic Energy Agency,
Ministry of Science and Technology, Khartoum, Sudan
- October 2009 Training Course in Nuclear Medicine**
National Cancer Institute (NCI), University of Gazeria, Wad Medani, Sudan
- December 2009 Educational Preparation**
Staff Development Center, College of Education, Sudan University of Science
and Technology, Khartoum, Sudan.
- March 2010 Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**
Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia
- May 2010 Training Course in Radiotherapy**
National Cancer Institute (NCI), University of Gazeria, Wad Medani, Sudan
- June 2010 Training Course in Magnetic Resonance Imaging (MRI)**
Alia Specialist Hospital & National Cancer Institute (NCI), University of
Gazeria, Wad Medani, Sudan
- July 2010 Image Processing and MatLab Applications**
College of Computer Sciences and Information Technology (CCSIT), Sudan
University of Sciences and Technology, Khartoum, Sudan
- February 2011 Advance CT Imaging, Quality Assurance & Quality Control in Radiology**
Radiology Department, National College for Medical and Technical Studies,
Khartoum- Sudan
- March 2011 Advance Ultrasound**
Golden Care Training Center, Khartoum, Sudan
- Nov. 2011 – May 2012 Nuclear Medicine , PET/CT and PET/MRI**
Nuclear Medicine Department, Carl Gastav University Hospital, Technical
University of Dresden, Dresden , Germany
- Nov. 2011 – May 2012 Radiotherapy and Radiation Oncology**
Radiotherapy and Radiation Oncology Department, Carl Gastav University
Hospital, Technical University of Dresden, Dresden , Germany
- January 2013 Training Course in Radiotherapy**
National Cancer Institute (NCI), University of Gazeria, Wad Medani, Sudan
- July 2013 Radiotherapy and Oncology**
Wad Medani Heart Diseases and Surgery (WHDS), National Cancer Institute
(NCI), University of Gazeria & Ministry of Health, Wad Medani, Sudan
- February 2014 Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**
Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia
- February 2015 International Conference on Curricula**
Red Sea University, Port-Sudan, Sudan
- August 2015 Using D2L system in Teaching**
E-learning and distance Learning Deanship, Majmaah University, Majmaah,
Saudi Arabia
- September 2015 Desgin of Educational web sites and Bloggers**
E-learning and distance Learning Deanship, Majmaah University, Majmaah,
Saudi Arabia
- September 2015 Teaching Technologis for Special Needs**
E-learning and distance Learning Deanship, Majmaah University, Majmaah,

- Saudi Arabia
- September 2015 Using Ipod in E-learning**
E-learning and distance Learning Deanship, Majmaah University, Majmaah, Saudi Arabia
- October 2015 Preparation Electronic Examination using**
E-learning and distance Learning Deanship, Majmaah University, Majmaah, Saudi Arabia
- October 2015 IEEE database library training course**
Saudi Digital Library, Ministry of Higher Education, Riyadh, Saudi Arabia
- October 2015 Using Marfia database library**
Saudi Digital Library, Ministry of Higher Education, Riyadh, Saudi Arabia
- February 2016 Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**
Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

Workshops attended

- February 2016 Tomotherapy, IMRT, Conformal, IGRT Applications and Innovative**
Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia
- February 2015 International Conference on Curricula**
Red Sea University, Port-Sudan, Sudan
- April 2014 International Levels in the Preparation of Exams for Medical Specialists**
National Council for Sudanese Medical and Health Professionals, Khartoum, Sudan, Ministry of Human Resources Development with collaboration with Medical University of Science and Technology, Khartoum, Sudan
- 17-19 December 2013 14th International Arab Conference on Information Technology (ACIT'2013)**
College of Computer Science, Sudan University of Science and Technology Khartoum, Sudan, with collaboration with College of Computing and Information Society (CCIS), Oman, Jordan Venue: Grand Hotel , Khartoum, Sudan
- 2-7 December 2013 11th Conference on Peaceful Uses of Radiation Sources**
Sudanese Atomic Energy Agency (SAEA) with Collaboration with Arab Atomic Energy Agency (AAEA), **venue:** Coral Hotel , Khartoum
- July 2013 Sudanese-Korean Conference on Cancer**
National Cancer Institute (NCI) and Ministry of Health of Gazeria State, **Venue:** Wad Medani Heart Diseases and Surgery, Wad Medani, Sudan
- April 2011 Application of Ultrasound in Thyroid lesions detection**
Sudanese Medical Radiology Association (SUMRA), College of Medical Radiological Science, Khartoum, Sudan
- April 2011 Application of Ultrasound in first Trimester pregnant women**
Sudanese Medical Radiology Association (SUMRA), **Venue:** College of Medical Radiological Science, Khartoum, Sudan
- March 2011 Modern Power Presentation**
Sudanese Turkish Center for Development, College of Agricultural Studies, Sudan University of Science and Technology, Khartoum, Sudan
- March 2010 International Conference on Radiation Medicine (ICRM)**
King Faisal Specialist Hospital and Research Centre

- Riyadh, Saudi Arabia
- December 2010 2nd international Conference in Laser technology and its application**
Laser Institute, University of Science and Technology, **Venue:** Coraal Hotel, Khartoum, Sudan
- June 2010 Bioinformatics**
College of Animal Production Science and Technology, Sudan University of Sciences and Technology, Khartoum, Sudan with collaboration with Nasik Studies and Training Academy, Khartoum, Sudan
- March 2010 International Conference on Radiation Medicine (ICRM)**
King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia
- December 2009 1st International Cancer Conference in Sudan**
Radiation and Isotopes Center of Khartoum (RICK), Ministry of Health, **Venue:** Friendship Hall, Khartoum, Sudan
- April 2009 Mobile Phone Mast Workshop**
Faculty of Science, Department of Chemistry, with collaboration with Congress of Khartoum State, Khartoum, Sudan
- April 2008 International Congress on Environment, Immune- Mediated Disease and Cancer** Institute of Nuclear Medicine, Molecular Biology and Oncology (INMO) University of Gazeria, Wad Medani, Sudan With collaboration with Ashiti University, Italy, **Venue:** Grand Holiday Villa, Khartoum, Sudan
- December 2004 One Day seminar on Advance in Ultrasound**
Sudan University with collaboration Afro-Asian Institute of Medical Science, Lahore- Pakistan, **Venue:** Sudan University of Science and Technology, Khartoum Sudan

Departmental & Hospital Presentations

- July 2005 Breast Carcinoma in Sudan**
Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology, Khartoum Sudan
- August 2005 Radiation Accidents for Patients undergoing Radiation Therapy**
Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology, Khartoum Sudan
- July 2007 Current Status of Radiation Therapy in Sudan**
Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology, Khartoum Sudan
- May 2009 Calibration of Radiation Instruments Used in Radiation Protection and Radiotherapy**
Radiotherapy and Nuclear Medicine Department, College of Medical Radiological Science, Sudan University of Science and Technology, Khartoum Sudan
- May 2015 Radiology Curriculum in Majmaah University**
Radiological Science and Medical Imaging Department, College of Applied

Medical Science, Majmaah University, Majmaah, Saudi Arabia

Research Experience

Fields of Interest

- Medical Applied Research
- Clinical Experimental Research
- Radiation Therapy and Nuclear Medicine.
- IGRT, IMRT , Tomotherapy & Conformal Therapy
- Oncology Experimental Researches
- Radiation Physics and Quality Assurance.
- Medical Imaging and Image processing.
- Radiation Mold Technology.
- Applied Radiation Protection
- Computer Application in Radiology
- Picture Archiving and Communication Systems (PACS)
- Bioinformatics

Future Trends and Researches:

Medical Physics Field

In the field of Medical Physics, I would like to conduct some works related to

- ☒ Quality Control test to Radiotherapy Machines (Cobalt-60 and Linear acceralator) using image processing technique.
- ☒ Quality Assurance of Radiotherapy & Nuclear Medicine machines
- ☒ Radiation protection for patients, Pubic and Staff
- ☒ Intrafraction and Interfraction Tumor motion tracking during respiration
- ☒ Radionuclide Applications in Nuclear Medicine (Diagnosis & Treatment) and Industrial/Environmental researches.

Published Book:

- ☒ **Computed Verification of Light and Radiation Field Size Superimposition On Cobalt-60 machine, Verification of Fields Size using Image Processing Technique** Published by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN 9783838399096 (August 2010)**
- ☒ **Quality Control of Technetium-99 Generator, Theory and Practice** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783848421169 (February 2012)**

Physics and Image Processing Field

Some other works related to

- ☒ Computed Verification of Radiation and Light Field Size
- ☒ Superimposition in Radiotherapy Machines
- ☒ Application of analysis approach in Noise Estimation in Panoramic X-rays images using image processing technique
- ☒ 3-D MRI and CT images visualization using MatLab
- ☒ Detection of Organs Motion during Radiotherapy (PhD thesis)
- ☒ Correction preprocessing technique for X-rays images
- ☒ Application of analysis approach in Noise Estimation in Panoramic X-rays images using image processing program (MatLab)

- ☒ Detection of Brain Tumors using Watershed Segmentation transform
- ☒ Segmentation of Liver using Parallel Computing Algorithm

Published Book:

☒ **Application of Analysis Approach in Noise Estimation, Using Image Processing Program**, by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, **ISBN: 9783847331544 (December, 2011)**

Radiation Mold Technology

The role of physics in Radiation Mold Technology research involved in some researches dealing with

- ☒ Design of Mold Room in Radiation and Isotopes Center of Khartoum
- ☒ A short Guide to Radiation Mold Technology.

Published Book:

☒ **A Short Guide To Radiation Mold Technology, A manual for daily use** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany **ISBN: 9783843371827 (October 2010)**

Bioinformatics Technology

In the field of Bioinformatics, I would like to conduct some works related to:

- ☒ Bioinformatics tools using , NCBI
- ☒ Databases search : ENTREZ, OMIM to work with different genes
- ☒ Nucleotides: pairwise sequence alignment (BLAST, FASTA)
- ☒ Proteins: pairwise and multiple sequence alignment (BLASTP, PSI-BLAST, FASTA, CLASTALW)
- ☒ Protein structure analysis: secondary and tertiary structure.
- ☒ Proteins Families: motifs, domains, clustering
- ☒ Phylogeny: tree reconstruction methods, gene duplication
- ☒ Genomics: Procaryotes and eucaryotes, gene hunting, splicing.
- ☒ The human Genome Project: drugs design, other genomes
- ☒ Gene expression analysis: DNA micro arrays (chips), clustering tools

Training Courses:

☒ Bioinformatics Workshop held at College of Animal Production Science and Technology – Sudan University of Sciences and Technology, Khartoum, Sudan with collaboration with Nasik Studies and Training Academy- Khartoum- Sudan **(June-August 2010)**

Radiotherapy Technology:

In the field of Radiotherapy, I would like to conduct some works related to:

- ☒ Human Body organs motion Tracking during External Beam Radiation Therapy
- ☒ IMRT , IGRT, Gamma Knife, Conformal Therapy Treatment

Requirements

☒ **Well Equipped Lab with tools as** Personal Computer, with Intel Pentium III or IV at 1.25 MHz (or higher), 512 MB RAM (or higher), 40 GB HDD (or Higher), 32 x CDDVD Drive , OS MS – Windows 9x (or higher) and Printer, Digitizer scanner, MatLab program (R2009a) version 7.8 (or higher) , SPSS version 13 (or higher), X-OMATV Film or X-OMAT TL film

☒ **Equipments** as (Intense Guided Radiotherapy requires consistent and precise definition of the target volume, clear protocols and independent delivery verification, so different types of image-guidance or imaging devices attached to and directing the localization of therapy will use. The study will base on the acquisition of fluoroscopic sequences using either Conventional or CT Simulator available at the area of the study with the facility of storage, provision and printing portal.

My Role in Researches

I could deal with all process and acquisition stages of the research from sampling preparation, measurement, characterization, analysis, discussion and papers and books publication after successful resultant research. Also I could teach and supervise the students in my specialty.

National Center for Radiation Research in Oncology (OncoRay): Technische Universität Dresden

Visiting Scientist in National Center for Radiation Research in Oncology (OncoRay): Technische Universität Dresden – Germany – Dresden

Project title: "4D Radiotherapy of Lung Cancer with Integration of 4D PET/CT"

Motion compensation techniques for radiation therapy: This includes on the one hand CT and PET-CT morphological and physiological imaging, respectively, for the purposes of radiotherapy treatment, i. e. for planning as well as for following up tumour irradiations. On the other hand, this comprises the installation of image guided and gating procedures at medical electron linear accelerators. (November 2011- April 2012)

Published Book:

☒ **Analysis of Respiratory Motion in Chest Organs, During External Beam Radiotherapy**, by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, ISBN: 9783847335726 (January, 2012)

☒ **A short Textbook on Care of patient in Radiotherapy** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, ISBN: 9783848432318 (March 2012)

☒ **A Short Guide to Breast Carcinoma Treatment, Introductory Notes on Breast Carcinoma** by LAP LAMBART Academic Publishing GmbH & Co. KG, Germany, ISBN: 9783846527450 (March 2012)

Conference Proceedings

1. **Yousif M.Y. Abdallah**: *Estimation of radiation Dosage For Traumatic Patients in Majmaah Area, Saudi Arabia*. The eighth International Conference on Radiation in Various Fields of Research, Faculty of Electronic Engineering, University of Niš, Serbia; 06/2020
2. **Yousif M.Y. Abdallah**: *Segmentation of Brain Stroke Lesions using Marker-based Algorithms in CT images*. 3rd International Conference on Computer Applications and Information Security, college of Computer Science, King Saud University, Riyadh, Saudi Arabia with collaboration with IEEE Saudi Arabia branch; 03/2020
3. **Yousif M.Y. Abdallah**: *Applications of Medical Imaging Analysis in Myocardial Tissues study*. International Conference on Radiation Medicine (ICRM 2020); 02/2020

4. Marwa Selmi, Ahmed Almansour, **Yousif M.Y. Abdallah**: *Computer investigation of breast cancer tumor treatment using microwave ablation (MWA)*. International Conference on Radiation Medicine (ICRM 2018); 02/2018
5. **Yousif M.Y. Abdallah**: *Medical Imaging Analysis using Image Processing Techniques*. International Conference on Radiation Medicine (ICRM 2018); 02/2018
6. **Yousif M.Y. Abdallah**: *A Precise Improvement of Nuclear Cardiology Images Using Equivalent-Computing Methods*. International Conference on Radiation Medicine (ICRM 2018); 02/2018
7. **Yousif M.Y. Abdallah**, *A retrospective study: The medical radiation exposure and possible injuries in Saudi Arabia*. Injury Symposium, College of Medical Applied Science, Majmaah University: 05/2016
8. **Yousif M.Y. Abdallah**, Nisreen Abdallah M. *Valuation of Radiation Dose Received in Knee Joint Injuries*. Injury Symposium, College of Medical Applied Science, Majmaah University: 05/2016
9. Abdelrahman Bakry, Mohamed Gar-elnabi, **Yousif M.Y. Abdallah**, Omar Hamid: *Outdoor Dose calculation in treatment of breast Cancer using radiotherapy TPS*. International Conference on Radiation Medicine (ICRM 2016); 02/2016
10. **Yousif M.Y. Abdallah**, Mashal Abdallah: *Using Basic Morphology Tools in Improvement of Kidneys Detection*. International Conference on Radiation Medicine (ICRM 2016); 02/2016
11. Abdelrahman Bakry, Mohamed Gar-elnabi, **Yousif M.Y. Abdallah**: *Detection and GTV Definition of Brain Tumors in MRI Images using Image Processing Technique*. International Conference on Radiation Medicine (ICRM 2016); 02/2016
12. **Yousif M.Y. Abdallah**: *Lungs Detection in Ventilation and Perfusion Scintigraphy using Watershed Transform*. International Conference on Radiation Medicine (ICRM 2016); 02/2016
13. **Yousif M.Y. Abdallah**: *Segmentation of Salivary Glands in nuclear medicine Images Using Edge Detection Tools*. International Conference on Radiation Medicine (ICRM 2016); 02/2016
14. **Yousif M.Y. Abdallah**, Tariq Alqahtani: *Detection of Brain Tumors Using Segmentation techniques*. 8th International Conference on Medical Physics and Engineering, King Fahad medical City, Riyadh, Saudi Arabia; 10/2015
15. **Yousif M.Y. Abdallah**, Mommen A. Alkhir, Amel S. Algaddal: *Improvement of Brain Tumors Detection Using Markers and Boundaries Transform*. 17th International Conference on Medical Image and Signal Computing, Oslo, Norway; 07/2015
16. **Yousif M.Y. Abdallah**, Razan Manofely, Rajab M. Ben Yousef: *Enhancement of X-Rays Images Intensity Using Pixel Values Adjustments Technique*. 17th International Conference on Medical Image and Signal Computing, Oslo, Norway; 07/2015
17. **Yousif M.Y. Abdallah**, Tariq M.S. Elqahtani: *Improvement of Nuclear Medicine images using Processing Technique*. Third International Conference on Radiation and Applications in Various Fields of Reersrach, Slovenska Plaza, Budva, Montenegro; 06/2015
18. Basamat M. Hajo, **Yousif M.Y. Abdallah**: *Measurement of Dose Received by Organs in Knee Joint x-ray examination*. Third International Conference on Radiation and Applications in Various Fields of Reersrach, Slovenska Plaza, Budva, Montenegro; 06/2015
19. **Yousif M.Y. Abdallah**, Nashwa K. Eltyeib: *Assessment of Dose Received By Organ in Lumbosacral Examination*. Third International Conference on Radiation and Applications in Various Fields of Reersrach, Slovenska Plaza, Budva, Montenegro; 06/2015

20. Wafa Fadol Orsid, **Yousif M.Y. Abdallah**: *Calculation of Dose Received By Organ in Cervical Vertebrae (C/S) Examination*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015
21. **Yousif M.Y. Abdallah**, Rehim I. Abdelwahab: *Data Extraction in Dental X-Ray Images using Texture Study*. Third International Conference on Radiation and Applications in Various Fields of Reesrach, Slovenska Plaza, Budva, Montenegro; 06/2015
22. **Yousif M.Y. Abdallah**: *Improvement of Bone Scintigraphy Image Using Image Texture Analysis*. 16th International Conference on Nursing Informatics and Technology, Holiday Inn Paris Montparnasse, Avenue Du Maine, Paris, 75014 France; 08/2014
23. **Yousif M.Y. Abdallah**, Eltayeb Wagiall: *Characterization of Coronary Artery Obstruction and Related Findings in Ischemic Heart Patients Using Cardiac Scintigraphy*. 16th International Conference on Nursing Informatics and Technology, Holiday Inn Paris Montparnasse Avenue Du Maine, Paris, France; 06/2014
24. **Yousif M.Y. Abdallah**, Khalid H. Eltom, Mohamed E. M. gar-elnabi: *Calculation of Lungs Physiological Lung Motion in External Lung Irradiation*. 16th International Conference on Radiation Medicine, Crowne Plaza Dubai Deira, Salahuddin Road, Deira , 8668, Dubai, UAE; 03/2014
25. **Yousif M.Y. Abdallah**, Mohamed E. Gar-Elnabi, Abdoelrahman H. A. Bakary, Alaa M. H. Eltoun, Abdelazeem K. M. Ali: *Calculation of Organs Radiation Dose in Cervical Carcinoma External Irradiation Beam Using Day's Methods*. 16th International Conference on Radiation Medicine, Crowne Plaza Dubai Deira, Salahuddin Road, Deira , Dubai, UAE; 03/2014
26. Nagah Elkhider, **Yousif M.Y. Abdallah**: *Assessment of Ultrasound images using Image Texture analysis*. International Conference on Radiation Medicine (ICRM 2014); 02/2014
27. Rehim I. Abdelwahab, **Yousif M.Y. Abdallah**: *Study of Orthopantomograph (OPG) Images Enhancement Using Image Processing Technique (MatLab)*. International Conference on Radiation Medicine; 02/2014
28. **Yousif M.Y. Abdallah**, Abdelazeem A Khalifa: *Error Estimation of Radiotherapy Patient Posture by using Three-Dimensional Motion Analysis*. International Conference on Radiation in Medicine (ICRM); 02/2014
29. **Yousif M.Y. Abdallah**, Magdolin Siddig: *Contrast Improvement of Chest Organs in Computed Tomography Images using Image Processing Technique*. The International Arab Conference on Information Technology (ACIT'2013), Coral Hotel, Khartoum, Sudan; 12/2013
30. **Yousif M.Y. Abdallah**, Abdelazeem K. M. Ali: *Estimating Environmental and Occupational Contribution to Cancer in Sudan*, 11th Conference on Peaceful Uses of Radiation Sources. Friendship Hall, Khartoum, Sudan; 03/2012
31. **Yousif M.Y. Abdallah**, Mohamed E.M. Gar-elnabi: *Computed Verification of light and Radiation field size Superimposition on Cobalt-60*. International Conference on Radiation Medicine (ICRM 2010), King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia; 03/2010
32. Abdelazeem K. M. Ali, Mohamed E.M. Gar-elnabi, **Yousif M.Y. Abdallah**: *Evaluation of entrance and Existence dose in Tangential Treatment of Breast Carcinoma*. 2nd International Conference on cancer, Radiation and Isotopes enter of Khartoum (RICK), Friendship Hall, Khartoum, Sudan; 03/2010

33. **Yousif M. Abdallah**, Mohamed E.M. Gar-elnabi, Khalid H. Eltom: *Mobile phone base stations and childhood cancers*. Mobile Phone Mast Workshop, Faculty of Science, Department of Chemistry with collaboration with Congress of Khartoum State, Khartoum, Sudan; **04/2009**

Publication Highlights

Books

1. **Yousif M. Abdallah**, *An Introduction to Dental Radiography: Theory and Practice* **11/2018**; LAMBART Academic Publishing GmbH & Co. KG, Germany, ISBN: 9783848421169
2. **Yousif M. Abdallah**, *Quality Control of Technetium-99 Generator, Theory and Practice*, **03/2012**; LAMBART Academic Publishing GmbH & Co. KG, Germany, ISBN: 9783848421169
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Personal Skills and Competences

Mother tongue(s): Arabic

Other languages: English, French & Deutsch

Organizational skills and competences

- ☐ During my PhD I participated in a seminar series on research methods

Computer skills and competences

- Competent with Microsoft Office programs
- Have good experience with HTML
- Very good in dealing with computer (windows 3.1 up to Win XP, Office 97 up to office 2007, and Access).
- I have international Computer Licenses in Internet Computer Core Certificate (IC3)
- Very Good in dealing with Image Processing Programs (MatLab & IDL)

Artistic skills and competences

- Got a high degree on Educational Preparation via Khartoum and Sudan University Staff Development Centers
- Good in drawing, painting, photography, Adobe Photoshop
- Other artistic skills.

Other skills and competences

- Hard work and self-motivated
- Able to work in a team or individually
- Good ability to communicate with other people
- I aim to improve my personal skills and the firm

References:

Professor, Dr. Mohamed Elfadil Mohamed

Head of Radiotherapy and Nuclear Medicine Department
College of Medical Radiological Science
Sudan University of Science and Technology
Crossing Elgusih St. and Elshahid Elzabair St., Khartoum, Sudan
Tel: 00249990080859, email: mohamedelfadilmohamed@gmail.com

Professor (Associate), Dr. Nagi Ibrahim

Department of Radiological Sciences and Medical Imaging
College of Applied Medical Science
Majmaah University
Prince Megreen Bin Abdel-aziz Street, Majmaah, Saudi Arabia
Email: ni.ali@mu.edu.sa