

Faculty Name: Dr. Fouad Abdulaziz Abolaban	
Education:	<ul style="list-style-type: none"> ➤ April 2012 PhD in Radiotherapy treatment planning using modern imaging technology, Cone Beam CT. University of Surrey, Guildford, United Kingdom. ➤ September 2008 MS Medical Physics, Faculty of Engineering and Physical Sciences, University of Surrey, Guildford, United Kingdom. ➤ February 2005 BS Nuclear Engineering, Faculty of Engineering, King Abdulaziz University, Jeddah, KSA, graduated with 1st honor degree, (4.85/5 GPA).
Academic experience:	<ul style="list-style-type: none"> ➤ Assistant Professor in Nuclear Engineering department, Faculty of Engineering at King Abdulaziz University
Non-academic experience	<ul style="list-style-type: none"> ➤ General Manager of King Abdullah City for Atomic and Renewable Energy (K.A.CARE) project at King Abdulaziz University, KAU. ➤ Head of College General Courses, Faculty of Engineering, KAU. ➤ Consultant in Center for Talent and Innovation at KAU.
Certifications or professional registrations	<ul style="list-style-type: none"> ➤ Licenses from KACST to work as RSO in the field of Radiation Therapy. ➤ 2004 Licenses from KACST to work as RSO in the field of Transportation
Current membership in professional organizations	<ul style="list-style-type: none"> ➤ 2003 - present Member of Radiological Society of Saudi Arabia, RSSA. ➤ 2005 - present Member of Saudi Council of Engineers, SCE. ➤ 2005 - present Member of ABET in Faculty of Engineering, KAU. ➤ 2005 - present Member in Academic Accreditation Unit (AAU), Faculty of Engineering, KAU. ➤ 2012 - present Member in College Curriculum committee at Faculty of Engineering, KAU. ➤ 2013 - present Member in Saudi Medical Physics Society, SMPS.
Honors and awards	<ul style="list-style-type: none"> ➤ 2005 Received a 1st honor degree EXCELLENCE AWARD presented by Royal prince Abdulmajed Bin Abdulaziz Al'Saud, in KAU graduation celebration. ➤ 2005 Excellence Certificate, 5th year of Engineering school. ➤ 2004 Excellence Certificate, Thermal Engineering Department. ➤ 2004 Excellence Certificate, 4th year of Engineering school. ➤ 2003 Excellence Certificate, 3rd year of Engineering school. ➤ 2002 Excellence Certificate, 2nd year of Engineering school. ➤ 2001 Excellence Certificate, 1st year of Engineering school.
Service Activities	<ul style="list-style-type: none"> ➤ 2012 Member of the Executive committee for the Fourth Student Conference at King Abdulaziz University. ➤ 2012 Member of creativity and research units under the Vice President for Graduate Studies and Research, King Abdulaziz University.
Publications & presentations from the past five years	<p>1- Ahmad Hussain and Fouad Abolaban. " Nuclear Desalination: A Viable Option for Producing Fresh Water- Feasibility and Techno-Economic Studies " <i>Life Sci J</i> 2014;11(1):301-307] (ISSN:1097-8135).</p> <p>2- Fouad A. Abolaban, Maan A. Najem, Ahmad Hussain, Majdi Alnowaimi</p>

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- and David Bradley. "Improving MVCBCT image quality using a Cu target with flattening filter-free LINAC" *Life Sci J* **2013**; 10(4): 1624-1628. 215.
- 3- **F. Abolaban** and M. A. Najem. "Improving the MVCBCT image quality by using copper target with flattening filter free LINAC" International Conference on Dosimetry and its Applications – ICDA. Prague, Czech Republic, 23- 28 June, **2013**.
 - 4- Amani I. Alalawi, S.Jafari, M. A. Najem, C.H. Clark, A.Nisbet, **F. Abolaban**, R.P. Hugtenburg, M. Hussein, Khalid S. Alzimami, N.M. Spyrou, and D.A.Bradley. "Comparison of Ge-doped TL optical fibres and glass beads with ion chamber and Gafchromic film for small field photon dosimetry". International Conference on Dosimetry and its Applications – ICDA. Prague, Czech Republic, 23- 28 June, **2013**.
 - 5- M.A. Najem, N.M. Spyrou, Z. Podolyák, F.A. Abolaban, THE PHYSICAL CHARACTERISTICS OF THE 15 MV VARIAN CLINAC 2100C UNFLATTENED BEAM, Radiation Physics and Chemistry, <http://dx.doi.org/10.1016/j.radphyschem.2013.04.035>
 - 6- Fouad Abolaban and Andrew Nisbet. Variation in Hounsfield Number with Mode Setting for a Linear Accelerator Mounted Cone Beam CT in Lung Adaptive Radiotherapy. The 5th Latin American Conference on Lung Cancer, Rio de Janeiro, Brazil from July 25 – 27, **2012**, Poster presentation.
 - 7- F. Abolaban, T. Jordan, M. Hussein, N. M. Spyrou and A. Nisbet. "Variation in Hounsfield Number with Mode Setting for a Linear Accelerator Mounted CT". European Medical Physics and Engineering Conference 2011, Trinity college, Dublin, Ireland. 1st - 3rd September **2011**.
 - 8- Abolaban F., Jordan T., Alshanqity M., Spyrou N. and Nisbet A. "Evaluation of CBCT dose for new Varian software version". Saudi International Conference (July, 2010) at University of Manchester, Manchester. Awarded best presentation prize.
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Professional development activities

- February 2006 Trained at King Abdulaziz University Hospital, in "BASIC PHYSICS OF RADIATION THERAPY", for three months.
 - Summer 2004 Trained at King Abdulaziz University Hospital, Radiotherapy Department. The subjects covered were Brachytherapy, Dosimetry, Sim Treatment, Quality Assurance, Dx and Calibration.
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