

Faculty Name: Dr. Fathi Djouider	
Education:	<ul style="list-style-type: none"> ➤ MS, Radiation Physics – University of Rome – Italy, 1986 ➤ Ph.D. Radiation Physics and Chemistry – University of Leeds, UK, 1995
Academic experience:	<ul style="list-style-type: none"> ➤ King Abdulaziz University, Jeddah Saudi Arabia Full time Assistant professor 2006 – Present ➤ Exmouth College, Devon, UK 2005 - 2006 ➤ College of Technology Dammam, Saudi Arabia 1996 – 2005 Lecturer, Algiers University, Algeria 1986-1991
Current membership in professional organizations	<ul style="list-style-type: none"> ➤ Health Physics Society ➤ National Committee for Radiation Protection and Safety in Uranium Mines (Algeria)
Honors and awards	<ul style="list-style-type: none"> ➤ US Patent Office: patent No 7,750,317: Ionizing radiations. Granted 6th July 2010, Inventors: Fathi Djouider and M. S. Aljohani ➤ European Patent Office No 1 958 665: Anthropometric Phantom. Granted 25th August 2010 Inventors: M. S. Aljohani and Fathi Djouider ➤ European Union awards: 1985: for a Master Degree at the University of Rome (Italy) ➤ British Council awards: 1991: for a PhD Degree at the University of Leeds (UK):
Admin. Duties	<ul style="list-style-type: none"> ➤ NE Department ABET Champion ➤ Chairman of the radiation protection department committee ➤ Member of several department committees ➤ Member of the higher studies committee, Faculty of Engineering
Publications & presentations	<ol style="list-style-type: none"> 1. F.Djouider. Radiolytic formation of non-toxic Cr(III) from toxic Cr(VI) in formate containing aqueous solutions: A system for water treatment, <i>Journal of hazardous materials</i>, Vol. 223-224, 2012, pages 104-109. 2. Numan Salah, Sami S Habib, Zishan H Khan and Fathi Djouider. Thermoluminescence and Photoluminescence of ZrO₂ Nanoparticles. <i>Radiation Physics and Chemistry</i>, Volume 80, Issue 9, September 2011, Pages 923-928 3. Djouider and M. S. Aljohani. Application of ionizing radiation to environmental protection: removal of toxic Cr(VI) metal ion in industrial wastewater: preliminary study, <i>Journal of Radioanalytical and Nuclear Chemistry</i>. (2010). Volume 285, pp 417 - 423 4. Djouider, “Radiation Induced Chemical Reduction of Cr(VI) in Aqueous Solutions: Preliminary Study of the Removal of Heavy Metals

from Industrial Wastewater”. *International Conference on Water Conservation in Arid Regions*. 12 – 14 October 2009, Jeddah, Saudi Arabia

5. Numan Salah, Sami S. Habib Zishan H. Khan Salim Al-Hamedi and **Fathi Djouider**. Functionalization of gold and carbon nanostructured materials using gamma-ray irradiation. *Radiation Physics and Chemistry*, Volume 78, Issue 11, 2009, Pages 910-913
 6. **Djouider** (2008) ‘Radiation Protection in the Operation of the Algerian Nuclear Research Reactor NUR. International symposium on the peaceful Applications of Nuclear Technology in the Gulf Cooperation Council (GCC) Countries’, 3-5 Nov 2008, Jeddah, Saudi Arabia.
 7. V. Buxton, **F. Djouider**, T. N. Malone and A. L. Lynch (1997) ‘Oxidation of Cr(III) to Cr(VI) initiated by OH and SO₄⁻ in acidic aqueous solution: A pulse radiolysis study’, *J. Chem. Soc., Faraday Trans.*, **93**, 4265 - 4268.
 8. Regions of Algeria’, *Rad. Prot. Dosim.*, **34**, 187-189.
 9. V. Buxton and **F. Djouider** (1996) ‘Use of Dichromate Solution for High Dose and High Dose Rate’, *Radiat. Phys. Chem.*, **48**, 799-804.
 10. V. Buxton and **F. Djouider** (1996) ‘Disproportionation of Cr⁵⁺ Metal Ion Generated by the Radiation Induced Reduction of Cr⁶⁺ metal ion: Pulse Radiolysis Study Using 3 MeV Electrons from a Van de Graaff Accelerator’, *J. Chem. Soc., Faraday Trans.*, **92**, 4173 - 4176, 1996.
 11. S. Djeflal, D.E. Cherouati and **F. Djouider** (1990) ‘Indoor Radon Measurements in Some
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