Prof. Dr: Elassaad Mustapha JEMII

Assistant Professor
Physics Department
Faculty of Science, Zulfi
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Research Interests:
Nuclear Physics
Modeling of the CNSTN Irradiator and Isodose curves calculation,
Language Skills
Arabic (native), English, French.

Qualification (Career and University Education)

2000-2005	B. Sc. Degree (Physics)	Faculty of Science / University of Monastir/ Tunisia
2007-2009	MS. C. Degree (Solid Physics)	Faculty of Science / University of Monastir/ Tunisia
2009-2014	PhD Degree (Nuclear Physics)	Faculty of Science / University of Monastir/ Tunisia

Education

2014-recent	**Assistant Professor** College of science in al-Zulfi / *Majmaah University* Saudi Arabia
2006-2013	**Physics Teacher for MES,** *Schools & College* / TUNISIA

Publications

1) E. Jemii, **M. Mazouz, A. Ben Fredj, L. Ghedira,** "Modeling of the Tunisian ^{60}Co gamma irradiator by a coaxial equal height and equal activity single pencil" **Radiat. Phys. Chem. pp 1158-1161. (80), (2011).**

2) E. Jemii, **M. Mazouz, L. Ghedira,**. "Dose rate calculation in the vicinity of the Tunisian Gamma Irradiation" **World Journal of Nuclear Science and technology (WJNST). 2013, (3), pp 28-32.**

3) E. Jemii, **L. Ghedira,**. "Dose rate simulation using a GEANT 4 code**". IEEE**

Digital Xplorer, (2014).

4) E. Jemii, **M. Mazouz, L. Ghedira, "**Photon flux simulation and isodose curves calculation in the vicinity of the Tunisian Irradiator**". Submitted recently in journal Radiat.Phys. Chem (2014).**

Conferences

1) E. Jemii, **M. Mazouz, L. Ghedira, «**Dose rate calculation in a PMMA dosimeter**»** The Fourth International Renewable Energy Congress. (IREC'2012) **December, 20–22, 2012- Sousse (Tunisia**

2) E. Jemii, **M. Mazouz, L. Ghedira, «**Calcul des courbes isodoses au voisinage de l'irradiateur ^{60}Co du CNSTN**».** Société Tunisienne de Physique (STP' 2012)**. 23 - 25 Novembre 2012. FSM.**

3) E. Jemii, **M. Mazouz, L. Ghedira, «**Simulation par GEANT 4 du débit de dose déposé dans un dosimètre PMMA**».** Société Tunisienne de Physique (STP' 2012)**. 23 - 25 Novembre 2012. FSM.**

4) E. Jemii, **M. Mazouz, L. Ghedira, «**Validation des mesures expérimentales de débit de dose par la simulation GEANT 4**».**VII^{ème} Congrès Internationale sur les Energies Renouvelables et l'Environnement (CERE'2013). **19–21 Mars 2013 – Sousse (Tunisie).**

5) E. Jemii, **M. Mazouz, L. Ghedira, «**Détermination des courbes isodoses**».** VII^{ème} Congrès Internationale sur les Energies Renouvelables et l'Environnement (CERE' 2013). **19 – 21 Mars 2013 – Sousse (Tunisie)**

6) E. Jemii, **M. Mazouz, L. Ghedira, «**Simulation of the dose rate using a GEANT 4 code**».** International Conference of Composite Material and Renewable Energy Applications. (ICCMREA'2014)**, 22-24 January 2014, Sousse. (Tunisia)**.

7) E. Jemii**, L. Ghedira,** «Photon flux calculation in the vicinity of a linear Gamma source», International Conference on Mecanics and Energy. (ICME'2014), **18-20 Mars 2014, Monastir. Tunisia**.

8) E. Jemii**, L. Ghedira,** «Modeling of the Tunisian Gamma Irradiator for insect sterilization by a cylindrical source», International Conference on Mecanics and Energy. (ICME'2014)**, 18-20 Mars 2014, Monastir. Tunisia**.

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Practical Skills

Simulation with GEANT 4, C, C++, ROOT.

Linux, Windows XP, Adobe Acrobat, Macromedia Dream Weaver, Macromedia Flash MX, Microsoft PowerPoint, Microsoft Excel.