


## Faculty Vitae

### 1. General Information

Names	Nationality	Photo
Dr. Eid Abdelmunem	Jordan	

### 2. Education

Degree	Discipline	Institution	Year
Bachelor	Physics	Mu'tah University Jordan	1996
Master	Medical Physics	School of Physics University Science Malaysia	1999
Ph.D.	Medical Physics	School of Physics University Science Malaysia	2007

### 3. Academic Experience

Institution	Title	Period	FT/PT
School of Physics University Science Malaysia	Assistant Professor	2007 to 2012	FT
College of Applied Medical Sciences ALMajma'ah Majmaah University, KSA	Assistant Professor	2012 to Present	FT

### 4. Non-academic Experience

Organization	Title	Duties	Period	FT/PT
School of Physics University Science Malaysia	Graduate Assistant	Med. Phys. Lab supervisor B.Sc. M.Sc. & Ph.D. students level	2003 to 2007	FT
Ministry of Education Jordan	Teacher	Secondary School teacher	1996	PT

### 5. Certification or professional registration

- User license: MCNP5 Ver. 1.2 code from LANL (RSICC), USA (2006).
- User license: SAND-II code from LANL (RSICC), USA (2006).
- User license: MCNP5 Ver. 1.4 code from LANL (RSICC), USA (2009).
- Certified trainer: Ministry of Human Resources, and Golden Topiari SDN BHD, Malaysia.

## 6. Current membership in professional organizations

- Member of the International Society for Neutron Capture Therapy (ISNCT), 2006 – Present.

## 7. Honors and awards

- Fundamental Research Grant (FRGS), Ministry of Higher Education, Malaysia, 1-May-2011 to 30-Apr-2013, RM84000. Project Title: Study on the collimator, shielding design and Dosimetry for a BNCT facility at a TRIGA Mark-II nuclear reactor.
- Fundamental Research Grant (FRGS), Ministry of Higher Education, Malaysia, 1-May-2011 to 30-Apr-2013, RM66000. Project Title: Application of a designed head and neck phantom in dose verification of Intensity Modulated Radiation Therapy (IMRT) and Conventional Irradiation Techniques in Radiotherapy of Localized Prostate Cancer
- Incentive Grant, University Science Malaysia, 1-Feb-2008 – 31-Jan-2009, RM5,000
- Maal Hijrah Special Award, University Science Malaysia, 20 - Jan – 2007 (1 – Muharram – 1428), Awarded for the activities with USM and Islamic center
- Larson Award, BNCS, Japan, 9 to 13 - Oct – 2006, Awarded for the paper presented in the International Congress on Neutron Capture Therapy, Japan
- IAEA & EURADOS Scholarships, iThemba Labs, Cape Town, South Africa IAEA & EURADOS & (PTB) Germany 27 March - 8 April 2006, Unfolding Training Course, Fast Neutron Detectors and Applications; International Workshop, and MCNP/MCNPX Monte Carlo Course at iThemba Labs by HQC Professional Services, Inc. and Nuclear Design & Risk Analysis, LANL, USA
- MTCP Scholarship, Malaysian Government, 1-May 2001 - 30-April 2005, Ph.D. program. Full fees and monthly allocation.

## 8. Service activities within and outside the institution

- Teaching at the International Atomic Energy Agency Fifth, Sixth and Seventh PostGraduate Educational Courses in radiation protection and safety of radiation sources (IAEA PGEC 5th, 6th and 7th for 8 months each) at University Science Malaysia (2007 – 2010).
- Facilitator: "Monte Carlo (MCNP5) course for beginners" from 21 – 24 August 2007 at School of Physics, University Science Malaysia.
- Facilitator: "Monte Carlo (MCNP5) course for beginners: BEYOND GEOMETRY" from 21 – 25 June 2010 at School of Physics, University Science Malaysia.
- Course Coordinator for the "SUST-USM Tropical College On Biomedical Engineering", University Science Malaysia, (2008).

## 9. Important publications and presentations from the past five years

- Z. Rafidah, M. S. Jaafar, A. Shukri, M. A. A. Khader and Abdel Munem E.: Comparison of TEFLON Phantom Image from PET / CT Scanner and Monte Carlo Simulation. In: JOURNAL of NUCLEAR And Related TECHNOLOGIES, Vol. 6, No. 2, Dec, 2009. 11-16.
- Khalid Saleh Ali Aldroobi, A. Shukri, Eid Mahmoud Eid Abdel Munem, Sabar Bauk, Mohammad Wasef Marashdeh and Yahye Abbas Amin. Determination of Cu, Zn and Pb in scalp hair from a selected population in Penang using the XRF method. In: ICPAP 2011, Bandung, Indonesia, November, 2011, 22.
- Yahye Abbas Amin, Mohamad Suhaimi Jaafar, Eid Mahmoud Eid Abdel Munem, Ahmad Lutfi Yusoff, Reduan Abdullah, Saleh Alashrah, Khaled Saleh Ali Aldroobi and Mohammad Wasef Marashdeh. Radiation dose assessment during treatment planning for heterogeneous chest phantom. In: ICPAP 2011, Bandung, Indonesia, November, 2011, 24.

- Mohammad Wasef Marashdeh, Khalid Aldroobi, Sabar Bauk, Eid Mahmoud Eid Abdel Munem, Abd. Aziz Tajuddin and Yahye Abbas Amin. Effects of the LEGe detector collimators on (Nb, Mo, Pd, Ag, and Sn) K-series peaks and Compton scattered Gamma ray in XRF measurements. In: ICPAP 2011, Bandung, Indonesia, November, 2011, 55.
- Mohd Rafi Mohd Solleh, Abd. Aziz Tajuddin, Abdul Aziz Mohamed, Eid Mahmoud Eid Abdel Munem, Mohamad Hairie Rabir, Julia Abd. Karim and Kiyanagi Yoshiaki: Collimator and shielding design for Boron Neutron Capture Therapy (BNCT) facility at TRIGA Mark II reactor. In: JOURNAL of NUCLEAR And Related TECHNOLOGIES, Volume 8, No. 2, December, 2011. 41-48.
- Mohd Rafi Mohd Solleh, Eid Mahmoud Eid Abdel Munem, Abd. Aziz Tajuddin, Abdul Aziz Mohamed, Mohamad Hairie Rabir, Julia Abd. Karim, Kiyanagi Yoshiaki and Fujio Hiraga: Internship program at Hokkaido University, Sapporo, Hokkaido, Japan; Technical Report. In: NuSTEC2012, Kuala Lumpur, Malaysia, May, 2012.
- Khaldoon M. Radaideh, Laila M. Matalqah, F. W. Lee Luen, Abd A. Tajuddin, Eid Abdel Munem and Sabar Bauk. Design and Implementation of an anthropomorphic quality assurance phantom for three dimensional conformal radiation therapy. In: Journal of Radiotherapy in Practice, (Submitted to Journal).
- Khaldoon M. Radaideh, Laila M. Matalqah, F. W. Lee Luen, Abd A. Tajuddin, Eid Abdel Munem and Sabar Bauk. Economic phantom for dosimetric audit and quality assurance of three-dimensional conformal radiotherapy. In: JOURNAL of NUCLEAR And Related TECHNOLOGIES, (Accepted for publication).
- Ammar Abid Abdullah Battawy, Eid Abdel Munem, Sivamany Kandaiya and Nada Fathil Tawfiq. Uranium concentration in urine using fission track etch technique. In: (in press).

#### 10. Most recent professional development activities

- Many training courses attended regarding self and professional development.