**CURRICULUM VITA**

**C.V**

**Name**: Ali Mohammad Hamdan Abu Arra



**Sex**: Male.

**Date of birth**: 19/04/1978.

**Marital status**: Married.

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**Qualification:**

\* Ph.D. Medical Physics and radiation science: Radiation Dosimetry at Universiti Sains Malaysia, Malaysia. A thesis titled “fabrication and characterization of gum Arabic bonded *Rhizophora* spp particleboard head phantom for PET/CT applications” , Universiti Sains Malaysia (USM), Penang-Malaysia, May 2011-November 2014.

\*Master degree of Medical physics from Universiti Sains Malaysia (USM), Penang-Malaysia (July/2009-Dec/2010).

 \*Bachelor (B.sc) degree of Medical Imaging from Al-Quds university-Faculty of health professions, Jerusalem, Palestine (1998-2002).

\*Secondary school, Tubas secondary school for males, science branch (1997-1998).

**Training:**

\*Ramallah Hospital 01/10/1999-20/02/2002.

\*Arab Care Hospital 01/03/2002-30/06/2002.

\*Al-Maqased Hospital 01/10/2002-25/02/2002.

**Work Experiences: (from past to present)**

- Radiographer in Doctors House Medical Center (Baithanena–Jerusalem) from 01/05/2001-30/10/2002

 -  C.T scan course in medicare (two months)

- Radiographer in Jabal Almukaber Medical center (Jabal ALmukber–Jerusalem) from 01/11/2002-30/10/2003.

- Radiographer in Assalam medical center in Jenin from 01/11/2003 to 30/5/2004.

- Working in Al-Aqsa x-ray and panoramic center in Jenin, from 1/6/2004-1/7/2005 as medical imaging technician.

- Working in “Al-Shaikha Fatima” Hospital in Turmosaia –Ramalla from 20/7/2005-15/3/2006 as medical imaging technician.

- Working as medical imaging technician in Rafidia governmental surgical hospital –Nablus from 15/3/2006- 10/7/2009, where CT scan, fluoroscopy, and plain x- ray.

- Working in Al-Razi hospital from 1-11-2006—20-5-2007, where CT scan, fluoroscopy, panoramic and plain x-ray were available.

- Graduate assistant (GA) in Universiti Sains Malaysia from Sep/2011 till Aug/2014. Where, it is required to handle undergraduate physics labs, Tutorial classes, and exams marking.

- Lecturer in Palestine Ahliya University- Bethlehem- Palestine from Sep/2014 till now. Handled several courses such as Radiotherapy, Nuclear Medicine, Ultrasound, Exposure, Introduction to medical imaging, Musculoskeletal Anatomy, X-ray equipment, Radiography Positioning 2 and Final Year Project.

- Lecturer and head of Medical Imaging department in An-Najah National university- Nablus-Palestine from 17-Aug-2015 until now. Handling several courses such as Exposure, Introduction to medical imaging, radiographic Anatomy, X-ray equipment, Radiography Positioning 1, 2 and their Labs ( in An- Najah National Hospital), and Biophysics.

**Skills**

* Computer skills using internet and Microsoft office programs (MS word, PowerPoint, Excel and front page). **Monte Carlo methods** “**MCNP Version 5” program .**
* Thermoluminescent dosimeters (TLDs), TLD reader, new types of radiochromic films such as Gafchromic film, PET/CT, and LINAC.

**Publications:**

1. **Ali, A.,** Basma, A., Basher, A., Gurjeet K. C. Singh, Zedan A., Mahmood T. L. R., Khalid O.,and MatJafri, M. Z. (2012). The effects of different laser doses on skin. *International Journal of the Physical Sciences.* 7(*3*), 400 – 407.
2. Aldroobi, K. S. A., Shukri, A., Bauk, S., Munem, E. M. A., & **Abuarra, A.** (2013). Determination of arsenic and mercury level in scalp hair from a selected population in Penang, Malaysia using XRF technique. *Radiation Physics and Chemistry*, *91*, 9-14.
3. **Abuarra, A.,** Hashim, R., Bauk, S., Kandaiya, S., & Tousi, E. T. (2014). Fabrication and characterization of gum Arabic bonded *Rhizophora* spp. particleboards. *Materials & Design*.
4. Tousi, E. T., Hashim, R., Bauk, S., Jaafar, M. S., **Abuarra, A. M. H.,** & Ababneh, B. (2014). Some properties of particleboards produced from *Rhizophora* spp. as a tissue-equivalent phantom material bonded with *Eremurus* spp. *Measurement*.
5. Tousi, E. T., Bauk, S., Hashim, R., Jaafar, M. S., **Abuarra, A.,** Aldroobi, K. S. A., & Al-Jarrah, A. M. (2014). Measurement of mass attenuation coefficients of *Eremurus*-*Rhizophora* spp. particleboards for X-ray in the 16.63–25.30 keV energy range. *Radiation Physics and Chemistry*.
6. **Ali Abuarra**, Sabar Bauk, Rokiah Hashim, Sivamany Kandaiya, Ehsan Taghizadeh Tousi, and Baker Ababneh. (2014). XRF technique for the evaluation of gum Arabic bonded *Rhizophora* spp. particleboards as tissue equivalent material.  [*International Journal of Applied Physics and Mathematics*](http://www.ijapm.org/), 4 (3), 201-204.
7. **Ali Abuarra,** Sabar Bauk, Rokiah Hashim, Sivamany Kandaiya, Ehsan Taghizadeh Tousi, and Khalid Aldroobi. (2014). Microstructure examination, elemental composition analysis of gum Arabic bonded *Rhizophora* spp. particleboards and their potential as tissue equivalent material. [*International Journal of Chemical, Environmental and Biological Sciences (IJCEBS)*](http://www.isaet.org/proceeding.php?type=3)*.* Volume 2, Issue 1, ISSN 2320–4087
8. Ehsan Taghizadeh Tousi, Rokiah Hashim, Sabar Bauk, Mohamad Suhaimi Jaafar, A.M Al-Jarrah, Hamid Kardani, **Ali Abu arra** and Khalid Aldroobi. (2014). *A Study of the Properties of Animal - Based Wood Glue.* Advanced Materials Research, 935; 133-137.
9. Ehsan Taghizadeh Tousi, Rokiah Hashim, Sabar Bauk, Mohamad Suhaimi Jaafar, Ali Mohammad Hamdan Abuarra, Amer Mahmoud Al-Jarrah, Baker Ababneh, Afsaneh Taghizadeh Tousi, Khalid Saleh Ali Aldroobi. (2015). Characterization of the *Rhizophora* spp. Particleboard as a Tissue-Equivalent Phantom Material Bonded with Bio–Based adhesive. *Maderas-Ciencia Y Tecnología* 17 (3), DOI:10.4067/S0718-221X2015005000029.
10. Assi, A. A. N., & Arra, A. A. (2017). Optimization of image quality in pulmonary CT angiography with low dose of contrast material. *Polish Journal of Medical Physics and Engineering*, *23*(2), 43-46.

**Conference Proceedings**

1. **Ali Abuarra**, Sabar Bauk, Rokiah Hashim, Sivamany Kandaiya, and Ehsan Taghizadeh Tousi. (2014). XRF technique for the evaluation of gum Arabic bonded *Rhizophora* spp. particleboards as tissue equivalent material. 4th International conference on Applied Physics and Mathematics (4th ICAPM 2014), Singapore, 19-20/Feb/2014.
2. **Ali Abuarra,** Sabar Bauk, Rokiah Hashim, Sivamany Kandaiya, Ehsan Taghizadeh Tousi, and Khalid Aldroobi. (2014). Microstructure examination, elemental composition analysis of gum Arabic bonded *Rhizophora* spp. particleboards and their potential as tissue equivalent material. 2nd International Multi-Conference on Computer, Electrical, Electronics and Mechanical Engineering (IMCEEME'14) March 27-28, 2014 Kuala Lumpur (Malaysia)).
3. Ehsan TaghiZadeh Tousi, Rokiah Hashim, Sabar Bauk, Mohamad Suhaimi Jaafar, Amer Mahmoud Al-Jarrah, Hamid Kardani, Ali Mohammad Hamdan Abu Arra and Khalid Saleh Ali Aldroobi. (2014). A Study of the properties of animal-based wood glue. 3rd International Conference on Green Buildings Technologies and Materials

(GBTM 2013), December 21- 22, 2013, Kuala Lumpur, Malaysia.

**Languages:**

Arabic –mother tongue.

English- good

Malay- good