

## Curriculum Vitae

إسم العائلة: العامر  
الإسم كاملا: عبدالعزيز بن سعد عمر العامر  
رقم الهوية: ١٠٠٧٨١٥٢٤٢  
مكان الميلاد: الرياض، المملكة العربية السعودية.  
الحالة الاجتماعية: متزوج.  
العمل الحالي: أستاذ فيزياء طبية مشارك، قسم الفيزياء، كلية العلوم، جامعة الإمام محمد بن سعود الإسلامية

**Surname:** ALAAMER

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**Current job:** Associate medical physics professor at college of Science, Imam Mohammad bin Saud University

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## Education & Qualifications

- (١) دكتوراه فلسفة في الفيزياء والهندسة الطبية، كلية الطب، جامعة ساوثامبتون، بريطانيا، ١٤١٦ هـ.
- (٢) عنوان الرسالة: " القياس الكمي في التصوير المقطعي الألي للانبعاث الفوتوني الأحادي وتطبيقه على العلاج بالأشعة وقياس الجرعات"  
(ملاحظة هامة: الشهادة مصدقة من وزارة التعليم العالي ومصدقة أيضا من الهيئة السعودية للتخصصات الصحية).
- (٣) ماجستير في الفيزياء الإشعاعية وحماية البيئة، كلية العلوم، جامعة ساري، بريطانيا، ١٤١٠ هـ.
- (٤) بكالوريوس فيزياء، قسم الفيزياء، جامعة الملك سعود، الرياض، ١٤٠٤ هـ.

- (1) Ph.D. in Medical Physics and Engineering, Faculty of Medicine, Southampton University, Southampton, UK, 1996.  
Thesis title: "Quantification in Single Photon Emission Computed Tomography and its Application to Radiotherapy and Dosimetry"
- (2) M.Sc. in Radiation Physics and Environmental Protection, Faculty of Science, Surrey University, UK, 1990.
- (3) B.Sc. in Physics, Department of Physics, King Saud University, Riyadh, Saudi Arabia, 1984.

## Work Experiences

1. Dean of e-learning at Deanary of e-learning and Distance learning, Al-Imam Mohammad Bin Saud Islamic University, Ramdhan 1433 – to present (Sept 2012 – to present)
2. Vice dean of e-learning at Deanary of e-learning and Distance learning, Al-Imam Mohammad Bin Saud Islamic University, Ramdhan 1430 – Ramdhan 1433 (Sept 2009 – Sept 2012)
3. Head of Physics Department at the College of Science, Al-Imam Mohammad Bin Saud Islamic University, Sha'ban 1430 – Sha'ban 1432 (August 2009 – August 2011)
4. Associate professor at the College of Science, Al-Imam Mohammad Bin Saud Islamic University, Rajab 1430 (July 2009) – to present.
5. Associate professor at King Khalid Military Academy, Saudi National Guard, Safar 1430 – Jamad 2nd 1430 (Feb 2009 – June 2009).
6. Assistant professor at King Khalid Military Academy, Saudi National Guard, Muharram 1417 - Muharram 1430 (June 1996 – January 2009).
7. Assistant professor (visitor) in the Radiological Sciences Dept. at the College of Applied Medical Sciences, King Saud University, Ramdhan 1417 – Jamad 1st 1428 (Sept. 1996 – Oct. 2007).
8. Assistant professor (visitor) in the Maxillofacial and Oral Surgery Dept. at the College of Dentistry, King Saud University, Muharram 1428 – Jamad 1st 1428 (Feb 2007 – June 2007).
9. Assistant professor (visitor) in the College of Nursing, King Saud University, Rajab 1426 – Muharram 1427 (Sept 2005 – Jan 2007).
10. Assistant professor (visitor) in the College of Studies and Community Services King Saud University, Rajab 1425 - Muharram 1427 (Sept 2004 – Jan 2007).
11. Medical Physics researcher at Southampton University Hospitals, Southampton, UK, Rajab 1411 – Shawwal 1416 (Feb 1991 - March 1996).
12. Member of the University Board at Imam Mohammad Ibn Saud Islamic University, Sept. 2012 – to present.
13. Member of scientific council at Imam Mohammad Ibn Saud Islamic University, Sept. 2011 – to present.
14. Member of research projects funding at Imam Mohammad Ibn Saud Islamic University, Sept. 2010 – to present.
15. Member of the College of Science board at Imam Mohammad Ibn Saud Islamic University, Shawwal 1430 – to present (Sept. 2009 – to present).
16. Member of the Physics Department board at Imam Mohammad Ibn Saud Islamic University, Sept. 2009 – to present.
17. Member of e-learning and Distance Learning board at Imam Mohammad Ibn Saud Islamic University, Sept. 2010 – to present.
18. Member of committee of rewarding research excellence, Feb 2011 – to present.
19. Member of the Health Physics Society (HPS) in the U.S.A., June 2012 – to present.
20. International Geo-Hazards Research Society (IGRS) in India, June 2012 – to present.

## Faculty Activities

١. عميد التعلم الإلكتروني والتعليم عن بعد، جامعة الإمام محمد بن سعود الإسلامية، رمضان ١٤٣٣ هـ - حتى تاريخه
٢. وكيل عمادة التعلم الإلكتروني والتعليم عن بعد لشؤون التعلم الإلكتروني، جامعة الإمام محمد بن سعود الإسلامية، رمضان ١٤٣٠ هـ - رمضان ١٤٣٣ هـ.
٣. رئيس قسم الفيزياء، كلية العلوم، جامعة الإمام محمد بن سعود الإسلامية، شعبان ١٤٣٠ هـ - شعبان ١٤٣٢ هـ.
٤. عضو مجلس جامعة الإمام محمد بن سعود الإسلامية، رمضان ١٤٣٣ هـ - حتى تاريخه.
٥. عضو المجلس العلمي، جامعة الإمام محمد بن سعود الإسلامية، شوال ١٤٣٢ هـ - ١٤٣٤ هـ.
٦. عضو اللجنة الدائمة للتعلم الإلكتروني والتعليم عن بعد، جامعة الإمام محمد بن سعود الإسلامية، ١٤٣٢ هـ - حتى تاريخه.
٧. عضو اللجنة الدائمة للتعاملات الإلكترونية، جامعة الإمام محمد بن سعود الإسلامية، ١٤٣٥ هـ - حتى تاريخه.
٨. عضو تنسيق لجنة الحاسب الآلي والتعاملات الإلكترونية، جامعة الإمام محمد بن سعود الإسلامية، ١٤٣٣ هـ - حتى تاريخه.
٩. عضو اللجنة الدائمة لتمويل المشاريع بعمادة البحث العلمي، جامعة الإمام محمد بن سعود الإسلامية، رمضان ١٤٣١ هـ - ١٤٣٣ هـ.
١٠. عضو مجلس كلية العلوم، جامعة الإمام محمد بن سعود الإسلامية، شوال ١٤٣٠ هـ - ١٤٣٣ هـ.
١١. عضو مجلس قسم الفيزياء، جامعة الإمام محمد بن سعود الإسلامية، رجب ١٤٣٠ هـ - حتى تاريخه.
١٢. عضو مجلس عمادة التعلم الإلكتروني والتعليم عن بعد بجامعة الإمام محمد بن سعود الإسلامية، رمضان ١٤٣١ هـ - حتى تاريخه.
١٣. عضو لجنة مكافأة التميز البحثي بأمانة المجلس العلمي، جامعة الإمام محمد بن سعود الإسلامية، صفر ١٤٣٢ هـ - ١٤٣٤ هـ.
١٤. عضو لجنة دراسة ضوابط وشروط النشر العالمي بعمادة البحث العلمي، جامعة الإمام محمد بن سعود الإسلامية، صفر ١٤٣٣ هـ.
١٥. عضو لجنة مشروع التعلم الإلكتروني بجامعة الإمام محمد بن سعود الإسلامية، ١٤٣٢ هـ - حتى تاريخه.
١٦. عضو اللجنة الدائمة لتقنية الاتصالات بجامعة الإمام محمد بن سعود الإسلامية، ١٤٣٢ هـ - حتى تاريخه.
١٧. عضو جمعية الفيزياء الصحية (HPS) في أمريكا، رجب ١٤٣٣ هـ - حتى تاريخه.
١٨. عضو جمعية بحوث الأخطار الجيولوجية العالمية (IGRS) في الهند، رجب ١٤٣٣ هـ - حتى تاريخه.

## Publications & Conferences

1. K.H Ibnaouf, hajo idriss, O. Aldaghri, R. Alhathloul, **Abdulaziz S. Alaamer**, M. A. Alrajhi, Mohamad S. AlSalhi. Study the influence of gamma ray on the optical properties of the conjugated co-polymer BEHP-co-MEH-PPV. Applied Radiation and Isotopes, 2016, in press.
2. K. H. Ibnaouf, O. Aldaghri, R. Alhathloul, **Abdulaziz S. Alaamer**, M. A. Alrajhi and Mohamad. S. AlSalhi. Characterization of gamma ray influence on the spectral properties of the conjugated co-polymer BEHP-co-MEH-PPV. Journal of Synchrotron Radiation, 2016, (in press).
3. M. H. Eisa, H. Shen, W. Jin, **Abdulaziz S. Alaamer**, M. A. AL-Rajhi and Hajo Idriss PIXE Study On The Effects Of Parathyroid Hormone On Elemental Content In Rat Bones. Physica Medica, 2016, xxx-xxx.
4. Hajo Idriss, Isam Salih, **Abdulaziz S. Alaamer**, Almuaiz Saleh, M. Y. Abdelgali. Environmental-Impact Assessment of Natural Radioactivity Around a Traditional Mining Area in Al-Ibedia, Sudan. Arch Environ Contam Toxicol. 2016, 70:783–792.
5. Amin Elzupir, **Abdulaziz S. Alaamer**, M. A. AL-Rajhi and Hajo Idriss. Occurrence and risk assessment of aflatoxin in imported rice to KSA. mycotoxins research, 2016 (in press)
6. K.H Hassan Ibnaouf, Amin Elzupir, Hajo Idriss, **Abdulaziz S Alaamer**, MA Alrajhi, M Abdelfatah .Spectral and ASE properties of some amino chalcones 3: materials 1-(4-methylphenyl)-3-(4- N, N-dimethyl amino phenyl)-2-propen-1-one in liquid state. Journal of Molecular Structure, 2016 (in press)
7. Amin Elzupir, **Abdulaziz S Alaamer**, MA Alrajhi, Hajo Idriss, MA Alrajhi, M Abdelfatah, K.H Hassan Ibnaou. Spectral and ASE properties of some amino chalcones4: materials 1-(4-chloridephenyl)-3-(4- N, N dimethyl amino phenyl)-2-propen-1-one. Indian Journal of Physics, 2016 (in press)
8. M Abdelfatah, Amin Elzupir, Hajo Idriss, MA Alrajhi, **Abdulaziz S Alaamer**, M Abdelfatah, K.H Hassan Ibnaouf. An efficient new liquid laser dye material-chalcone DMAPPP. Superlattices and Microstructures, 2016 (in press)
9. Hajo Idriss, Isam salih, **Abdulaziz S Alaamer**, MA Alrajhi .Characterization of natural radioactivity around artisanal gold mining in ALSopag, Sudan. Indoor and Built Environment, 2016 (in press)
10. Sherif A. A. Moussa, **Abdulaziz Alaamer**, Mohamed A. K. Abdelhalim. The influence of zinc on the blood serum of cadmium-treated rats through the rheological properties. Gen. Physiol. Biophys. 2016, 35:71-75.
11. Hajo Idriss, Isam Salih, **Abdulaziz S. Alaamer**, Almuaiz Saleh, M. Y. Abdelgali. Environmental-Impact Assessment of Natural Radioactivity Around a Traditional Mining Area in Al-Ibedia, Sudan. Arch Environ Contam Toxicol. 2016, 70:783–792.
12. Amin O. Elzupir, **Abdulaziz S. Alamer**, and Michael F. Dutton. Aflatoxin in Rice Crop: Prevalence and Assessment of Daily Exposure. Springer International Publishing Switzerland. 2016, DOI: 10.1007/978-3-319.
13. M. H. Eisa, H. Shen, W. Jin, **Abdulaziz S. Alaamer**, M. A. AL-Rajhi and Hajo Idriss. Proton Induced X-Ray Emission Study on the Effects of Parathyroid Hormone on Elemental Content in Rat Bones. Journal of X-Ray Science and Technology. 2016, (impact factor 1.398) (accepted).

14. Amin O. Elzupirab, **Abdulaziz S. Alamer** & Michael F. Duttonc. The occurrence of aflatoxin in rice worldwide: a review, *Toxin Reviews* Volume 34, Issue 1, 2015 (impact factor 0.647).
15. Hajo Idriss, Isam Salih, **Abdulaziz S. Alaamer**, M. Y. Abdelgalil, Salih Ali Salih, Amna M. Hasan, Mohammed A. ELtahir and Mustafa M. O. Ahamed. Characterization of <sup>222</sup>Rn and meteorological parameters in Uro house at South Kordofan state, *Indoor and Built Environment*. 2015, Vol. 24(5) 650–657 (impact factor 1.225)
16. Amin O. Elzupir and **Abdulaziz S. Alamer**. Quantitative cancer risk of aflatoxin in peanut butter and vegetable oils: Sudan case study, *Toxin Reviews* .Volume 33, Issue 4, 2014 (impact factor 0.647).
17. Amin O. Elzupir and **Abdulaziz S. Alamer**. Quantitative cancer risk of aflatoxin in peanut butter and vegetable oils: Sudan case study. *Toxin Rev*, (2014) 33(4): 202–205
18. Hajo Idriss, Isam Salih, **Abdulaziz S. Alaamer**, M.H. Eisa, A.K. Sam. Investigation of radioactivity concentration in spent technetium generators. *Radiation Physics and Chemistry*. 2014, 346–348.
19. Hajo Idriss, Isam Salih, **Abdulaziz S. Alaamer**, M. Y. Abdelgalil, Salih Ali Salih, Amna M. Hasan, Mohammed A. ELtahir, Mustafa M. O. Ahamed. Study of radon in soil gas, trace elements and climatic parameters around South Kordofan state, Sudan. *Environ Earth Sci*. 2014, 72:335-339.
20. K. H. Ibnaouf, S. Prasad, V. Masilamani, M. S. AlSalhi, **A. S. Alaamer**. Evidence for the Double Excimer State of conjugated polymer in a liquid solution. *J. Europ. Opt. Soc. Rap. Public*. 2013, 8, 13001.
21. **A. S. Alaamer**. Measurement of natural radioactivity in sand samples from Ad-Dahna. *World Journal of Nuclear Science and Technology (WJNST)*, 2012, 187-191.
22. **A. S. Alaamer**. Radon Awareness Among Saudi People in Riyadh. *World Journal of Nuclear Science and Technology (WJNST)*, 2012, 165-168.
23. **A. S. Alaamer**. Characterization of <sup>137</sup>Cs in Riyadh Saudi Arabia soil sample. 2012 *World Journal of Nuclear Science and Technology (WJNST)*, 2012, 161-164.
24. A. Ghaffar, F. Mazhar, A. Mashiatullah, **A. S. Alaamer**. A modified method for removal and stabilization of cesium metal in the vitrified matrix. *Journal of Water Chemistry and Technology*, 2012, 34, 258-263.
25. A. M. EL Sherbini, **A. S. Alaamer**, A. T. Hassan, T. M. El Sherbini. Measurements of Plasma Electron Temperature Utilizing Magnesium Lines Appeared in Laser Produced Aluminum Plasma in Air. *Optics and Photonics Journal (OPJ)*, 2012, 278-285.
26. A. M. EL Sherbini, **A. S. Alaamer** Measurement of plasma parameters in Laser-Induced Breakdown Spectroscopy using Si-lines. *World Journal of Nano Science and Engineering (WJNSE)*, 2012, 206-212.
27. A. M. EL Sherbini, **A. S. Alaamer**. Development of a Simple Software Program used for Evaluation of Plasma Electron Density in LIBS Experiments via Spectral Line Shape Analysis. *Journal of Signal and Information Processing (JSIP)*, 2012, 502-515.
28. A. M. EL Sherbini, **A.S. AL Aamer**, A. Taha, Th.M. EL Sherbini. Spectrometric Measurement of Plasma Parameters Utilizing the Target Ambient Gas O I & N I Atomic Lines in LIBS Experiment. *Optics and Photonics Journal (OPJ)*, 2012, 286-293.
29. Ali S. Hennache and **A. S. Alaamer**. 2012. “Potential Applications of Nanotechnology in ICT: Transitioning From CRT to Carbon Based Nanoelectronics”, submitted for International Conference on Engineering and Applied Science (ICEAS 2012) Beijing, China, July 24-27.

30. A. Eid, **Abdulaziz S. Alaamer**. 2012. Gravitational Collapse of a Charged Shell. *Adv. Studies Theor. Phys.*, Vol. 6, no. 18, 893 - 902
31. K. Berrada, S. Abdel-Khalek, **A. S. Alaamer**. 2012. Bipartite Entanglement Within The Framework Of Real And Ideal Lasers. *Journal of Russian Laser Research*, Volume 33, Number 2, May.
32. Ali S. Hennache and **A. S. Alaamer**. 2012. "Potential Applications of Nanotechnology in ICT: Transitioning From CRT to Carbon Based Nanoelectronics", submitted for International Conference on Engineering and Applied Science (ICEAS 2012) Beijing, China, July 24-27.
33. I. Ghiloufi, L. Khezami. L. El Mir, **A. Alaamer**. 2012. Radioactive wastes treatment by thermal plasma, International conference on materials science and its applications development and innovation, Taif University KSA.
34. L. Khezami, K. Amri, I. Ghiloufi, **A. Alaamer**, C. Barthou, L. El Mir. 2012. Adsorption and photocatalytic degradation of malachite green by vanadium-doped zinc oxide nanopowder, International conference on materials science and its applications development and innovation, Taif University KSA.
35. S. N. A. Tahir; **A. S. Alaamer**. 2011. Estimation of cosmic radiation doses in Punjab, Pakistan. *Radiation Effects and Defects in Solids*, Volume 166, (1), pages 74 – 79.
36. S.N.A. Tahir, M. Rafique, **A. S. Alaamer**. 2010. Biomass fuel burning and its implications: Deforestation and greenhouse gases emissions in Pakistan. *Environmental Pollution* 158: 2490-2495.
37. S. N. A. Tahir, **A. S. Alaamer**, M. Ayub, and M. Z. Khan. 2010. Radiometric Analysis of Samples of Domestic Fish Species and Radiological Implications. *Health Phys.* 98(5): 741-4.
38. S. N. A. Tahir; **A. S. Alaamer**. 2009. Concentrations of Natural Radionuclides in Municipal Supply Drinking Water and Evaluation of Radiological Hazards. *Environmental Forensics*, Volume 10, pages 1–6.
39. S. N. A. Tahir, **A. S. Alaamer** and R. M. Omer. 2009. Study of Contents of Ra-226, Th-232 and K-40 in Fertilizers. *Radiation Protection Dosimetry*, pp. 1–4.
40. Khan S, **Alaamer A S.**, Tahir S N. A 2008. Assessment of <sup>7</sup>Be Concentration in Outdoor Ambient Air. *Health Physics - Volume 95 - Issue 4 - pp 433-435.*
41. **A. S. Alaamer**. 2008. Assessment of radiological hazards owing to natural radioactivity measured in soil of Riyadh, Saudi Arabia. *Turkish J. Eng. Env. Sci.* 32, 229–234.
42. S. N. A. Tahir and **A. S. Alaamer** 2008. Determination of natural radioactivity in rock salt and radiation doses due to its ingestion. *J. Radiol. Prot.* 28: 233-236.
43. F. Manzoor, **A. S. Alaamer**, and S. N. A. Tahir. 2008. Exposures to <sup>222</sup>Rn from consumption of underground municipal water supplies in Pakistan. *Radiat. Prot. Dosim.* 130(3), 392-396.
44. S. N. A. Tahir and **A. S. Alaamer**. 2008. Pb-210 Concentrations In Cigarettes Tobaccos And Radiation Doses To The Smokers. *Radiat. Prot. Dosim.* 130(3), 389-391.
45. S. N. A. Tahir and **A. S. Alaamer**. 2008. Radon Awareness in the Provincial Capital Lahore of Punjab Province of Pakistan. *Radiat. Prot. Dosim.* 129(4), 491-494.
46. Elzupir, A. O., **Alamer, A. S.**, & Dutton, M. F. (2016). Aflatoxin in Rice Crop: Prevalence and Assessment of Daily Exposure. (A book chapter published by Springer 2006)
47. Fleming JS, **Alaamer AS**. 1998. A rule based method for context sensitive threshold segmentation in SPECT using simulation. *Phys Med Biol*, 43:2309-2323.

48. John S. Fleming and Abdulaziz S. Alaamer. 1996. Influence of Collimator Characteristics on Quantification in SPECT. *J Nucl Med*, 37:1832-1836.
49. Tristram M, **Alaamer AS**, Fleming J, Lewington V, Zivanovic M. 1996; Iodine-131-Metaiodobenzylguanidine Dosimetry in Cancer Therapy: Risk Versus Benefit. *J Nucl Med*, 37:1058-1063.
50. Al-Rajhi, M.A.; Seaward, M.R.D.; **Al-Aamer, A.S.** 1996. Metal levels in indoor and outdoor dust in Riyadh, Saudi Arabia. *Environment International*, 22(3):315-324.
51. **Alaamer AS**, Fleming JS, Perring S. 1994. Evaluation of the factors affecting the accuracy and precision of a technique for quantification of volume and activity in SPECT. *Nucl Med Comm*, 15:758-771.
52. Fleming JS, **Alaamer AS**, Perring S. 1993. A technique for the absolute quantification of <sup>131</sup>I radiopharmaceutical using SPECT. *Nucl Med Comm*, 14:498-505.
53. Tristram M, **Alaamer AS**, Fleming J, Lewington V, Zivanovic M. 1994. Tumour doses in targeted mIBG (meta-iodobenzylguanidine) therapy. (Abstract). *Br J Radiol (Congress Supplement)*, 67:64.
54. Fleming JS, Perring S, **Alaamer AS**. 1993. A technique for quantification of <sup>131</sup>I-labelled radiopharmaceuticals using SPECT. (Abstract). *Nucl Med Comm*, 13:239.
55. **Alaamer AS**, Fleming JS, Perring S. 1993. Evaluation of a technique for the quantification of radioactivity and volume of an object using SPECT. *Nucl Med Comm*, 14:1061-1070.
56. **Alaamer AS**, Perring S, Fleming JS. 1992. An automatic technique for the quantification of radioactivity and volume of an object in SPECT. (Abstract). *Nucl Med Comm*, 13:239.