

# ABDULRAHMAN ALFURAIH

Professor of Radiological Sciences and Medical Physics  
College of Applied Medical Sciences, King Saud University, Riyadh

✉ aalfuraih@ksu.edu.sa

☎ Tel: 0114693576 0118056565

📱 Mobile: 0555123007

🌐 <https://www.linkedin.com/in/abdulrahman-alfuraih-508b8166/>

📮 P.O Box 10219 Riyadh 11433, Saudi Arabia

## EDUCATION

- |      |   |
|------|---|
| 2009 | <b>PhD in Physics/ Medical Physics</b><br>University of Surrey, Guildford, Surrey, UK                           |
| 2002 | <b>M.Sc. Electrical Engineering/Biomedical Engineering</b><br>George Washington University, Washington D.C, USA |
| 1998 | <b>B.Sc. Radiological Sciences</b><br>King Saud University, Riyadh, Saudi Arabia                                |

## PROFESSIONAL EXPERIENCE

- |                |   |
|----------------|---|
| 2019 – Current | <b>Vice President for Academic Affairs</b><br>Al-Ghad Colleges for Applied Medical Sciences, Riyadh                 |
| 2015 – 2019    | <b>Vice Dean, Graduate Studies and Research</b><br>College of Applied Medical science, King Saud University, Riyadh |
| 2011 – 2015    | <b>Head of Radiological Sciences Department</b><br>College of Applied Medical science, King Saud University, Riyadh |

## PROFESSIONAL APPOINTMENTS

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|----------------|---|
| 2022 – Current | <b>Professor of Radiological Sciences and Medical Physics</b><br>Radiological Sciences Department<br>College of Applied Medical science, King Saud University, Riyadh           |
| 2018 – 2022    | <b>Associate Professor of Radiological Sciences and Medical Physics</b><br>Radiological Sciences Department<br>College of Applied Medical science, King Saud University, Riyadh |

2009 – 2018	<b>Assistant Professor of Radiological Sciences and Medical Physics</b> Radiological Sciences Department College of Applied Medical science, King Saud University, Riyadh
2014 – 2017	<b>Visiting Reader</b> Department of Physics, University of Surrey, UK
2011 – 2013	<b>Visiting Senior Fellow</b> Department of Physics, University of Surrey, UK
2009 – 2010	<b>Visiting Academic Researcher</b> Department of Physics, University of Surrey, UK
2004 – 2008	<b>Teaching Assistant in Radiation Physics laboratory; supervision and demonstrating for M.Sc. students.</b> University of Surrey, UK
1998 – 2000	<b>Demonstrator/Teaching Assistant</b> Radiological Sciences Department College of Applied Medical science, King Saud University, Riyadh

## BOARDS and COMMITTEES

2018 – 2022	<b>Scientific Council – Member</b> King Saud University, Riyadh
2018 – 2022	<b>Permanent Committee for Faculty Appointment Scientific Council – Member</b> King Saud University, Riyadh
2017 – 2021	<b>University Certificates Equalization Committee Medical and Health Sciences Committee – Member</b> Ministry of Education, Riyadh
2020 – Current	<b>King Abdullah Bin Abdulaziz International Award for Translation Natural Science Committee – Chairman</b> King Abdulaziz Public Library, Riyadh
2013 – Current	<b>Permanent Committee for Collaborators Vice Rectorate for Educational and Academic Affairs – Member</b> King Saud University, Riyadh
2009 – 2022	<b>College of Applied Medical Sciences Board – Member</b> College of Applied Medical Sciences, King Saud University, Riyadh

2018 – 2021	<b>King Abdullah Institute for Research and Consulting Studies –Board Member</b> King Saud University, Riyadh
2011 – 2019	<b>Research Excellence Committee – Chairman</b> College of Applied Medical Sciences, King Saud University, Riyadh
2012 – 2019	<b>Faculty Appointment Committee – Chairman</b> College of Applied Medical Sciences, King Saud University, Riyadh
2013 – 2019	<b>Lecturer and Demonstrators Affairs Committee – Chairman</b> College of Applied Medical Sciences, King Saud University, Riyadh
2012 – 2018	<b>Journal of Health Specialties, Editorial Board – Member</b> Saudi Commission for Health Specialties, Riyadh
2014 – 2018	<b>Academic Audit Committee – Chairman</b> Ministry of Higher Education, Riyadh
2012 – 2015	<b>Medical Imaging Board – Member</b> Saudi Commission for Health Specialties, Riyadh

## SELECTED PUBLICATIONS

- *Alfuraih AA. Simulation of Gamma-Ray Transmission Buildup Factors for Stratified Spherical Layers. Dose-Response. January 2022. DOI:10.1177/15593258211070911.*
- *Alfuraih AA, Kadri OM. Geant4 Simulation of Gamma-Ray Transmission Buildup Factors for Human Tissues. Dose-Response. January 2022. DOI:10.1177/15593258211068621.*
- *Kadri, O; Alfuraih, A. Search for Tissue Equivalent Materials Based on Exposure and Energy Absorption Buildup Factor Computations. Appl. Sci. 2022, 12, 798. <https://doi.org/10.3390/app12020798>.*
- *Kadri, O.; Alfuraih, A. Buildup Factor Computation and Percentage Depth Dose Simulation of Tissue Mimicking Materials for an External Photon Beam (0.15–15 MeV). Appl. Sci. 2022, 12, 4250. <https://doi.org/10.3390/app12094250>.*

- *Alfuraih AA, Alzimami K, Ma AK. Investigation of  $^{18}\text{F}$  and  $^{89}\text{Zr}$  Isotopes Self-Absorption and Dose Rate Parameters for PET Imaging. Dose-Response. July 2021. DOI:10.1177/15593258211028467.*
- *Kadri O, Alfuraih, A. , Monte Carlo assessment of coded aperture tool for breast imaging: a Mura-mask case study. NUCLEAR SCIENCE AND TECHNIQUES Volume: 30, Issue: 11 Article Number: 164 : NOV 2019.*
- *Alfuraih A, Kadri O, Alzimzmi K, Investigation of SPECT/CT cardiac imaging using Geant4. NUCLEAR SCIENCE AND TECHNIQUES, Volume 29, Issue 7 105 Jul 2018.*

## PROFESSIONAL SOCIETIES MEMBERSHIP

- IEEE Engineering in Medicine and Biology Society, Member since 2000.
- IEEE Nuclear and Plasma Sciences Society, Member since 2000.
- American Nuclear Society, Member since 2008.
- Society of Nuclear Medicine and Molecular Imaging, Member since 2013.
- World Molecular Imaging Society, Member since 2014.