

DR. GHANDOURAH, Emad*Assistant Professor, Nuclear Engineering Dept., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	University College London	2015
MS	Nuclear Engineering	King Abdulaziz University	2003
BS	Nuclear Engineering	King Abdulaziz University	1996

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, Full or etc.)</i>	<i>Full or Part Time</i>
2015	Date	Nuclear Engineering Dept. King Abdulaziz University	Assistant Professor		Full time
2007	2008	Nuclear Engineering Dept. King Abdulaziz University	Lecturer		Full time
2000	2006	Nuclear Engineering Dept. King Abdulaziz University	Lab Demonstrator		Full time

Non Academic Experience *(including Consultations)*

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
1996	1999	Maintenance Department King Abdulaziz University	Engineer	Technical support for spare parts	Full time

Certifications and Professional Registrations

1. Radiation Safety Officer (RSO License).
2. Inspection License for the Radiographic Testing (Level-3)
3. Inspection License for Magnetic Particles Testing (Level-3)
4. Inspection License for Liquid Penetration Testing (Level-3)
5. Inspection License for the Ultrasonic Testing (Level-2)
6. Inspection License for the Eddy Current Testing (Level-1)

Current Membership in Professional Societies and Organizations

	<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1.	American Nuclear Society	Member	2015
2.	The American Society for Nondestructive Testing	Member	2015
3.	Research in Nondestructive Evaluation	Member	2015

Honors and Awards

1. Fulbright Visiting Scholar Program (2004), USA

Service Activities (*within and outside of the institution*)

1. Coordinator for the Aramco Chair at King Abdulaziz University
2. Head of the Recruitment Unit in the Engineering College, KAU.

Principal Publications/Presentations from the Past Five Years

1. S. Mahmoud; E. Alzahrani; A. Alzahrani; E. Ghandourah & S. Ghaleb "Mathematical Model of Wave Propagation in Thermo-Magneto-Piezoelectric Elastic Solid Bar Immersed in an Inviscid Fluid", Journal of Computational and Theoretical Nanoscience, vol. 14, no. 8, pp. 3764-3771, August 2017.
2. S. Mahmoud; E. Alzahrani; A. Alzahrani; E. Ghandourah & S. Ghaleb "Mathematical Model of Wave Propagation in Thermo-Magneto-Piezoelectric Transversely Isotropic Cylindrical Material", Journal of Computational and Theoretical Nanoscience, vol. 14, no. 8, pp. 3812-3820, August 2017.
3. S. Mahmoud; S. Ghaleb; A. Alzahrani & E. Ghandourah "Mathematical Model of Wave Propagation in Thermo-Magneto-Piezoelectric Material", Applied Mathematics & Information Sciences, vol. 11, no. 4, pp. 1217-1223, July 2017.
4. S. R. Mahmoud, S. A. Ghaleb, A. K. Alzahrani, E. Ghandourah, "Mathematical approach for effect of growth on the mechanical stresses during soft tissues and avascular tumor ", Applied mathematics and information science, Vol. 11, No. 5, PP:1353-1360, September 2017.

Recent Professional Development Activities (*Workshops, training, etc.*)

1. Blackboard Webinar, on "Delivering Virtual Classes", with the collaboration of KAU Deanship of e-Learning and Distance Education, March 2020.