DR. Mazher, Abdulhameed
Professor, Nuclear Engineering Dept., King Abdulaziz University

Education

Degree	*Field*	*Institution*	*Year*
PhD	Aerospace Engineering	Georgia Institute of Technology	1987
MS	Aeronautical Engineering	Cairo Univ	1977
BS	Aeronautical Engineering	Cairo Univ	1973

Academic Experience

From	*To*	*Institution*	*Rank*	*Title (Chair, Coordinator, etc.)*	*Full or Part Time*
2013	Present	King Abdulaziz University	Professor		Full-time
2010	2013	WSU Tri-Cities, Richland WA	Clinical Professor		Full-Time
2008	2013	WSU Tri-Cities, State of Washington	Adjunct Professor		Full-Time
2000	2007	Tuskegee University, Alabama	Professor		Full-Time

Non Academic Experience *(including Consultations)*

From	*To*	*Company/Entity*	*Title*	*Position Description (Brief)*	*Full or Part Time*
2001	2003	Oak Ridge National Lab	Consultant	Computational Physics	Full-Time

Current Membership in Professional Societies and Organizations

	Society/organization	*Rank*	*Member Since*
1.	American Nuclear Society	Member	2000
2.	ASME	Member	1995
3.	ASEE	Member	2000
4.	AIAA	Member	1985

Honors and Awards

1. Fulbright Scholar, 2005

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

1. Journal reviewer (AIAA), 1988

Principal Publications/Presentations from the Past Five Years

1. Essam Banoqitah , Abdelfattah Soliman, Eslam Taha, and AK Mazher. A modified empirical formula to calculate the maximum positron range under the influence of variable magnetic field for PET/MRI scanner, Journal of Radiation Research and Applied Sciences,May 2020.
2. Mo, C., Mazher, A. k., and Clark, W. W., "Energy Harvesting with Piezoelectric Circular Membranes under Pressure Loading," Submitted to the Journal of Smart Materials and Structures, 2019.
3. Faissal Abdel-Hady, Mohammed Alghamdi, A.K. Mazher, and Abdulrahim Alzahrani, Integration of Process Modeling, Design, and Optimization with an Experimental Study of Solar-Driven Humidification and Dehumidification Desalination System, Processes 2019, 6, 163.
4. Faissal Abdel-Hady, Mahmoud M. El-Halwagi, Mohammed Alghamdi,, A.K. Mazher, and Abdulrahim Alzahrani, "Experimental Study of Humidification And Dehumidification Desalination Process", International Journal of Engineering and Technology 10 (2):511-528, 2018
5. .Faissal Abdel-Hady, Mohammed Alghamdi, ,A.K. Mazher, and Abdulrahim Alzahrani, " Simulation and optimization study of humidification dehumidification desalination process", Desalination J., 2018.
6. Essam Banoqitah , Abdelfattah Soliman, Eslam Taha, and AK Mazher. A modified empirical formula to calculate the maximum positron range under the influence of variable magnetic field for PET/MRI scanner, Journal of Radiation Research and Applied Sciences,May 2020.
7. Mo, C., Mazher, A. k., and Clark, W. W., "Energy Harvesting with Piezoelectric Circular Membranes under Pressure Loading," Submitted to the Journal of Smart Materials and Structures, 2019.
8. Faissal Abdel-Hady, Mohammed Alghamdi, A.K. Mazher, and Abdulrahim Alzahrani, Integration of Process Modeling, Design, and Optimization with an Experimental Study of Solar-Driven Humidification and Dehumidification Desalination System, Processes 2019, 6, 163.

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.
2. Workshop "Engineering Education", TN, USA, 2007
3. Workshop "Critical Thinking" Alabama, USA, 2007