



**Name: Dr. Abeer Abdullah Al Anazi**

**Rank: Assistant Professor - Mechanical Engineering**

## Personal Information

<b>Nationality:</b>	Kuwaiti
<b>AU Joining Date:</b>	17 Sep 2017
<b>E-Mail Address:</b>	a.alanazi@au.edu.kw

## Professional Information

<b>Education:</b>	<p><b>Qualification:</b> Ph.D. <b>Major:</b> Mechanical Engineering <b>College/University:</b> University of Hertfordshire - UK <b>Year:</b> 2015/ 2016</p> <p><b>Qualification:</b> Masters <b>Major:</b> Mechanical Engineering <b>College/University:</b> University of Hertfordshire - UK <b>Year:</b> 2011/ 2012</p> <p><b>Qualification:</b> B. Eng. <b>Major:</b> Mechanical Engineering <b>College/University:</b> University of Hertfordshire - UK <b>Year:</b> 2010/ 2011</p>
<b>Specialization:</b>	<p>Fluid Mechanics Renewable Energy Micro and Nano-fluidics Micro and Nano - Technologies</p>
<b>Current Academic Position:</b>	Assistant Professor – Mechanical Engineering Department - AU
<b>Current Professional Positions:</b>	NA

<b>Previous Administrative Position Held:</b>	NA
<b>Previous Academic Positions Held:</b>	American University of The Middle East (AUM), (2015 – 2017)
<b>Fellowships And Honors:</b>	Kuwait Society of Engineers Institution of Mechanical Engineers (IMEchE)
<b>Teaching Experience:</b>	Australian University - Kuwait (2017 – Present) American University of The Middle East (AUM) - Kuwait (2015 – 2017)
<b>Industrial And Technical Experience:</b>	Quality Assurance Consultant, JGSC - Kuwait Quality Assurance In-charge, Yiacco Medical Co.- Kuwait
<b>Research Interest:</b>	Micro-, Nano- and bio-fluidic applications to process and device fabrication technologies  Modelling and simulation - aided design methodology in the fields of Micro Total Analysis Systems ( $\mu$ TAS), biosensors, micro fluidic devices, general bio-applications of fluid dynamics and biophysical transports.  Renewable energy and energy/ heat transfer
<b>Research Grants:</b>	Kuwait Funds for Scientific Research (KFAS) University of Hertfordshire
<b>Research and Publications including Journal and Books:</b>	"Solar Desiccant Cooling System for a Commercial Building in Kuwait's Climatic Condition", R Narayanan, A Al-Anazi, R Pippia, M Rusul; 2022  "Development of Low Speed Wind Energy harvesting Device", A Younis, Z Dong, M Elbadawy, F AlKhatib, A AlAnazi  "Design Optimization of Solar Desiccant Cooling System for The Climatic Conditions of Kuwait", R Narayanan, A Al-Anazi, R Pippia, M Rusul; 2021  "Improving Energy and Thermal Performance of Greenhouses in Hot Climatic Regions using Polymer Aerogels", A Al-Anazi, 2021  "Effect of Aerogel Insulation on Energy and Thermal Performance of Greenhouses in Kuwait", A Al-Anazi; Nanotechnology and Applications; 2021  "High Efficiency Performance of Qurtz Fibers for Filtering Soot Aerosols", A Amini, M Nazari, R Mbarki, A Al Anazi, H Abdulrazzaq, 2020  "Carbon-based Nano Electro-Mechanical Systems", A Al-Anazi; Journal of Nanoscience; ISSN25772 – 0813; 2020  "Cryogenic Oil Extraction Microfluidics", A Al-Anazi, T Al-Anazi, J Omali, 2017  "Control of Electro- Kinetic Microfluidic Biochemical Systems", A Al-Anazi, University of Hertfordshire, 2015

<p><b>Paper Presentations at Professional Conferences:</b></p>	<p>9<sup>th</sup> World Congress on Biopolymers and Polymer Chemistry, October 2022</p> <p>3<sup>rd</sup> International Conference on Energy and Power (ICEP 2021), Chiang Mai - Thailand, November 2021</p> <p>3<sup>rd</sup> International Conference on Energy and Power, 2021</p> <p>3<sup>rd</sup> European Congress on Material Science &amp; Nanotechnology, Paris – France, September 2021</p> <p>10<sup>th</sup> World Congress on Biopolymers &amp; Bioplastics, Zurich – Switzerland, August 2020</p> <p>Smart Devices Symposium, Osaka – Japan, 2020</p> <p>1<sup>st</sup> International Conference on Applications of Air Quality in Science and Engineering - Kuwait - February 2020</p> <p>18<sup>th</sup> International Conference on Emerging Materials and Nanotechnology - London, UK - February 2020</p> <p>Global Nanotek Summit, Hong Kong – Singapore, 2019</p> <p>International Oil and Gas Conference, Kuala Lumpur – Malaysia, 2019</p> <p>8<sup>th</sup> Annual World Congress of Advanced Materials - Osaka, Japan 2019</p>
<p><b>University Service including committee Membership:</b></p>	<p>Chair of the Mechanical Engineering Department - Auditing and QM Committee</p> <p>Chair of the Mechanical Engineering Department - Accreditation Committee</p> <p>Member of the Mechanical Engineering Department - Validation and Moderation Committee</p> <p>Member of the Mechanical Engineering Department – Curriculum Committee</p> <p>College representation at different local events and competitions</p> <p>College contact point with Kuwait Industrial Union (KIU)</p>
<p><b>National Service:</b></p>	<p>Collaborations with KFAS, KISR and Kuwait University</p>
<p><b>University Committees:</b></p>	<p>Mechanical Engineering Department representative in AU's Engineering Graduation Projects Exhibition - Fall 2022</p> <p>Mechanical Engineering Department representative in the AU Senior Graduate Projects Team - Collaboration with KIPIC</p> <p>Member of the Women Engineers Committee</p>