

Faculty Name: <b>Dr. Ahmad Hussain Abdulkarim</b>	
<b>Education:</b>	<ul style="list-style-type: none"> <li>➤ 1989 - B.S. degree in Mechanical Engineering from NED University of Engineering &amp; Technology, Karachi, Pakistan.</li> <li>➤ 1991- MS in Nuclear Power Engineering from Pakistan Institute of Engineering &amp; Applied Sciences, Islamabad, Pakistan.</li> <li>➤ 2006 - Ph.D. in Thermofluids from the Universiti Teknologi Malaysia, Johor Bharu, Malaysia</li> </ul>
<b>Academic experience:</b>	<ul style="list-style-type: none"> <li>➤ King Abdulaziz University, Jeddah Saudi Arabia Assistant Professor 2011 – Present</li> </ul>
<b>1991 - 2014</b>	<ul style="list-style-type: none"> <li>➤ Pakistan Institute of Engineering and Applied Sciences, Islamabad, Pakistan Associate Professor 2010 – 2011</li> <li>➤ Universiti Teknologi Malaysia, Johor, Malaysia Senior Lecturer 2006 – 2007</li> <li>➤ Universiti Teknologi Malaysia, Johor, Malaysia Research Scholar 2003 – 2006</li> <li>➤ Pakistan Institute of Engineering and Applied Sciences, Islamabad, Pakistan Lecturer 1991 – 2002</li> </ul>
<b>Non-academic experience</b>	<ul style="list-style-type: none"> <li>➤ Pakistan Atomic Energy Commission <ul style="list-style-type: none"> <li>• Worked as member for Nuclear Power Plants Installation and Commissioning in Pakistan</li> </ul> </li> </ul>
<b>1991 – 2002</b>	<ul style="list-style-type: none"> <li>• Final Safety Analysis Report of Karachi Nuclear power Plant</li> </ul>
<b>Certifications or professional registrations</b>	<ul style="list-style-type: none"> <li>➤ Passed the Nuclear Systems Course for Karachi Nuclear Power Plants required for shift duty on nuclear power plant</li> </ul>
<b>Current membership in professional organizations</b>	<ul style="list-style-type: none"> <li>➤ American Society of Mechanical Engineers</li> <li>➤ American Nuclear Society</li> <li>➤ IASTED</li> <li>➤ SPE</li> <li>➤ Pakistan Engineering Council</li> </ul>
<b>Honors and awards</b>	<ul style="list-style-type: none"> <li>➤ Commonwealth Scholar 2006-2010</li> <li>➤ 2010 - Best Teacher award at PIEAS</li> <li>➤ 2012 - Recognition award from Faculty of Engineering Rabigh at KAU, SA</li> </ul>
<b>Service Activities</b>	<ul style="list-style-type: none"> <li>➤ Member of several department committees</li> <li>➤ Member of several departmental and faculty committees in Pakistan</li> </ul>
<b>Publications &amp; presentations from the past five years</b>	<ol style="list-style-type: none"> <li>1. Abdullah Alshehri, Ahmad Hussain, Yousof Almubarak (2014) Energy Conversion Measures in the Industries of Saudi Arabia and Development of Methodology for Certification of Energy Personnel in the Kingdom, Energy Policy (Elsevier) 64: 203-208 IF= 3.382</li> </ol>

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2. F. Djouider, Ahmad Hussain “A laboratory study of the oxidation of non toxic Cr(III) to toxic Cr(VI) by OH. free radicals in simulated atmospheric water droplets conditions: Potential environmental impact” Journal of Hazardous Materials , 2014 (in Press) IF = 4.14.
  3. Abdulkarim Hegab, Hani Hussain Sait, Ahmad Hussain, A.S. Said (2014) Numerical Modeling for the Combustion of Simulated Solid Rocket Motor Propellant, Computers and Fluids (Elsevier) 89: 29-37. IF= 1.830
  4. Siti Nur Sakinah Jamaludin, S. Basri, Ahmad Hussain, Dheya Al-Othmany, F. Mustapha and Dewan Muhammad Nuruzzaman (2014) Three Dimensional Finite Element Modeling of Thermomechanical Problems in Functionally Graded Hydroxyapatite/Titanium Plate, Mathematical Problems in Engineering (In Press) IF = 1.380
  5. Ahmad Hussain, Iqbal Ahmed, Hani Hussain Sait, Mohamed Ismail Basayoni, Hegab, Abdelkarim Morsy Hegab, Syed Waheed, Farid Nasir Ani (2013) An Experimental and Simulation Study of Fluidization Behavior of Palm Biomass in a Circulating Fluidized Bed Riser, Industrial & Engineering Chemistry Research 52: 17529–17537 DOI: 10.1021/ie401856b IF= 2.206
  6. Ahmad Hussain, Dheya Al-Othmany (2013) “Design of Thermal Loop of a Compact Reactor, International Journal of Engineering and Advance Technology Studies, ISSN: 2249 – 8958 Vol. 1, No 1.PP. 1-10. (2013) Impact Factor.
  7. Ahmad Hussain, Dheya Al-Othmany “Assessment of Aging of Zr-2.5Nb Pressure Tubes for Use in Heavy Water Reactor, Journal of Natural Sciences Research. ISSN 2224-3186 (Paper), Vol. 3, No 2. PP.98-103. (2013) Impact Factor 5.5.
  8. Ahmad Hussain, Dheya Al-Othmany (2013) “NUCLEAR DESALINATION: A Viable Option for Producing Fresh Water- Feasibility and Techno-Economic Studies, Journal of the Pakistan Institute of Chemical Engineers. (Accepted for publication).
  9. Shahnor Basri, Ahmad Hussain, Dheya Al-Othmany, Faizal Mustapha, Dewan M, Nuruzzaman, (2013) ”Three Dimensional Finite Element Modeling of Thermomechanical Problems in Functionally Graded Hydroxyapatite/Titanium Plate”, Materials Science & Engineering A, ISSN: 0921-5093 , Impact Factor 1.383.
  10. Ahmad Hussain, Dheya Al-Othmany (2013) ”Preliminary Feasibility Studies about A proposed Site for A nuclear Power Plant in Saudi Arabia” (Accepted for review).
  11. Ahmad Hussain, Dheya Al-Othmany Treatment and Conditioning of Spent Ion Exchange Resin from Nuclear Power Plant, Journal of Advances in Physics Theories and Applications. ISSN: 2224-719X (Paper) ISSN: 2225-0638 (Online), Vol 15, 79-89. (2013) Impact Factor 7.17. [www.iiste.org](http://www.iiste.org).
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