

Abdelhady, Faisal

Associate Professor, Chemical and Materials Engineering Department, King Abdulaziz University

Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Composite Materials	Ain Shams Univ.	1988
MS	Study of Tires Damping Properties	Ain Shams Univ.	1982
BS	Mechanical Engineering	Ain Shams Univ.	1975

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2010	Present	King Abdul Aziz University	Consultant	Consultant for the Vice President	Part
2009	Present	King Abdul Aziz University	Assoc. Prof.		Full
2009	2011	King Abdul Aziz University	Assoc. Prof.	Director of Engineering Consulting and Professional Development Office	Part
2006	2009	Bemidji State University, Minnesota, USA	Assoc. Prof.	Associate Professor	Full
1999	2006	Auburn University, Alabama, USA.	Senior Research Fellow		Full
1992	1998	Ain Shams University, Egypt.	Assistant Professor		Full
1986	1989	Ecole Nationale Superieure des Mines de Saint Etienne, France.	Research Assistant		Full
1983	1986	Ain Shams University, Egypt	Lecturer Assistant		Full
1975	1983	Ain Shams University, Egypt	Demonstrator		Full

Non Academic Industrial 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>
1994	1998	General Egyptian Organization of Import and Export Control (GEOIEC)	Consultant	Testing procedures Lab specifications	Part
1989	1994	HICON France for industrial software development, France	General Director	Development of industrial control software, marketing	Full

Funded Research Projects and Patents from the Past Five Years

1. Design and cost optimization of an innovative closed trough solar collector for water desalination. King Abdulaziz city, 2014, (PI), 2 MSR.
2. DESIGN OF AN INSTRUMENT FOR MEASUREMENT OF OIL, WATER, VAPOUR AND SAND LAYERS IN OIL SEPARATORS USING NEUTRON. King Abdulaziz city, 2013, (C0_PI), 1.6 MSR

3. Design and realization of an innovative foldable solar thermal collector with Humidification Dehumidification Desalination unit. Energy Chair KAU, 380,000 SR. (2014)
4. Application of nanofiber to enhance the solubility and availability of orally antidiabetic drugs; research proposal in collaboration with Faculty of Pharmacy presented to King Abdallah University for Science and Technology, KAUST. Stress Analysis of Restored Endodontically Treated Teeth, research proposal in collaboration with College of Dentistry presented to King AbdulAziz University entitle;; waiting for acceptance and budget provision
5. A Novel Methodology for Nanofibers Fabrication by electrospinning Process, F. Abdelhady (PI), A. El Zahrani (Co-PI), King Abdul Aziz University, SR 75,000, 2010-2011.

Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. Society of Automotive Engineer (SAE)	M	2000
2. American Society of Materials (ASM)	M	2001
3. Syndicate of Egyptian Professional Engineer	M	1975
4. Hovercraft club of America	M	2006

Institutional and Professional Services (*administration, committees, units, etc.*)

1. Energy centre committee
2. Chemical and Materials Engineering Lab committee
3. PhD program for material engineering committee
4. KAU vice president for scientific research consultant
5. Automation centre committee

Principal Publications/Presentations from the Past Five Years

1. "Small Wind Turbine for Home Usages," Abdelhady, F. Egyptian Engineers Association Conference, Riyadh, May 2010.

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

1. Fluid power training workshop at Minneapolis, MN, USA, 2008
2. Comsol Finite element package training workshop, Alabama, USA, 2006, 2007
3. Space Power Workshop (Why MDC flywheels?), April 2005, Los Angeles, CA
Design Review for flywheel manufacturing - Sept 2004 - Cleveland, Ohio
4. 30 hours of professional development in ABET Institute for the Development of Excellence in Assessment Leadership (IDEAL) held in Jeddah King Abdulaziz university September 2013