

DR. HABIB, Sami S.*Professor, Aeronautical Engineering Dept., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	The University of Leeds, UK	1986
MS	Mechanical Engineering	Cal. State University, Los Angeles, USA	1983
BS	Mechanical Engineering,	King Fahed University of Petroleum & Minerals, Saudi Arabia	1978

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>
1978	1979	King Abdulaziz Univ.	Graduate Assistant		Full Time
1986	1996	King Abdulaziz Univ.	Assistant Professor		Full Time
1996	2010	King Abdulaziz Univ.	Associate Professor		Full Time
2010	Date	King Abdulaziz Univ.	Professor		Full Time

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>
Jan. 78	Aug. 78	Saline Water Desalination Org., Jeddah, Saudi Arabia	Project Supervising Engineer	Al-Khober Desalination Plant - Design Stage	II Part Time
Mar. 78	Aug. 79	Sogex, International, Jeddah, Saudi Arabia	Structural Engineer	Jeddah Desalination Plant	III Full Time
July 93	July 94	Indonesian Aircraft Industries IPTN (Bandung Indonesia)	Technical Assistance Aircraft Design		Full Time
2003	Date	Saudi Society for Aerospace Sciences	President		Part Time
2006	2014	Director, Center of Nanotechnology at KAU		King Abdulaziz Univ.	Part Time

Funded Research Projects and Patents from the Past Five Years

Special Grant from King AbdulAziz City for Science and Technology, KACST, *Conceptual Design of a Micro Air Vehicle*, 2007.

Certifications and Professional Registrations**Current Membership in Professional Societies and Organizations**

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. American Inst. of Aeronautics & Astronautics, AIAA	Member	1990
2. Saudi Society for Aerospace Sciences	member	2003
3. Saudi Council of Engineers	Member	2005
4. American Society For Testing Materials (ASTM)	Member	2010
5. Society For Advancement of Materials & Processing Engineering	Member	2010

Honours and Awards

1. Chairman, Saudi Society for Aerospace Sciences (2003-present).
2. Reviewer & Editing Consultant for the "Al-Tairan Al-Madaney" Magazine, Which is published by the Saudi Arabian Civil Aviation Presidency, 2003-2008
3. Weekly Column writer in local Newspapers for the last 20 years, with numerous articles, many of which are dedicated to simplify aerospace knowledge to the educated public.

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

1. Head of the Nanotechnology Research Center, KAU, 2007- present.
2. Head of the Saudi Society of Aerospace Sciences, 2003-present.
3. Chairman, Aeronautical Engineering Department, KAU, 1991- 1993 and 1999-2003.
4. A member of the Saudi National Team for developing the Long Term National Plan (25 years) for Advancing Science and Technology in Saudi Arabia, 1998

Principal Publications/Presentations from the Past Five Years

1. Sami S Habib, Highly Crystalline ZnO Nanoparticles, International Journal of Nanoparticles (Accepted)
2. Sami S Habib, Numan Salah, Zishan H Khan, S. Al- Heniti, F S Al-Hazmi, Shamshad A Khan, Adel S Faidah, O Abu Al-khair, Synthesis and characterization of Tin Dioxide Nanoparticles and effect of annealing temperature, International Journal of Nanoparticles (Accepted)
3. Numan Salah, Zishan H Khan, Sami S Habib and Ahmed Al-Ghamdi, Optical Properties of LiF:Mg,Cu,P Nanorods, International Journal on Nano and Bio materials(Accepted)
4. Numan Salah, S P Lochab, Ranju Ranjan, D Kanjilal, Sami S Habib, V E Aleynikov and A A Rupasov Nanoparticles of $K_2Ca_2(SO_4)_3 :Eu$ as effective detectors for swift heavy ions, Journal of Applied Physics 102(2007) 64904-8.
5. S P Lochab, D Kanjilal, Numan Salah, Sami S Habib, Jyoti Lochab, Ranju Ranjan, V E Aleynikov, A A Rupasov and A Pandey, Nanocrystalline particles $Ba_{0.97}Ca_{0.03}SO_4:Eu$ for Ion Beams Dosimetry, Journal of Applied Physics 104, (2008) 033520-4.
6. Numan Salah, Sami S Habib, Zishan H Khan, S P Lochab, D Kanjilal, Ranju Ranjan , V E Aleynikov and A A Rupasov, Nanorods of LiF:Mg,Cu,P as Detectors for Mixed Field Radiations, IEEE Transactions on Nanotechnology 7 (2008) 749 – 753
7. Numan A Salah, Sami S Habib, S P Lochab, and Zishan H Khan, Nanoparticles of $BaSO_4:Eu$ for Heavy Dose Measurements, J. Luminescence. 129 (2009)192-196R.
8. Zishan Husain Khan, M. Husain, Numan Salah and Sami S Habib, Electrical Transport Via Variable Range Hopping in Individual Multi-wall Carbon Nanotube, Journal of Phys. Condens. Matter 20 (2008) 475207 (7pp)
9. Karunapati Tripathi, M. Husain Numan Salah, Sami S. Habib, Salim Al-Hamed, Nabeel Zaki Zahid, Zishan H. Khan, Studies on ZnO nanorods, Studies on ZnO nanorods, International Journal of Nanoparticles (Accepted)
10. Zishan H. Khan Numan Salah and Sami S. Habib, Electrical Transport in Ni catalyzed multi-wall carbon nanotubes, International Journal of Nanoparticles (Accepted)
11. Zishan H. Khan, Numan Salah, Sami S Habib, Optical properties of Silicon nanoparticles synthesized at different heating rates via physical vapor condensation method, International Journal of Nanoparticles (Accepted)

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

1. Airframe Design and Repair, University of California, Los Angeles, Feb. 22-26 1999.
2. Practical Considerations in Structural Fatigue and Damage Tolerant Design of New and Aging Aircraft, University of Utah, Salt Lake City, USA Feb. 1997.