Sadaqat Ali

Lecturer

Personal Data

Nationality | Pakistani

Date of Birth | 18-02-1984

Department | Mechanical and Energy Engineering

Official IAU Email | sadali@iau.edu.sa

Office Phone No. | 0548198623

Language Proficiency

Language	Read	Write	Speak
Arabic			
English	✓	✓	✓
Others(Urdu)	✓	✓	✓

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
7-12-2012	M.Sc. Metallurgy and Material Engineering	Lahore	University of Punjab, Pakistan,
25-12-2009	B.Sc. Metallurgy and Material Engineering,	Lahore	University of Punjab, Pakistan,

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

Master	Development of Aluminium Silicon Carbide Particulate (Al-SiCp) Composite Using Spark Plasma Sintering

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Lecturer		Mechanical and Energy Engineering Immam Abdul Rehman Bin Fasil University Dammam	2015	Onwards
Senior Lab Engineer		Mechanical Engineering Department, KFUPM, KSA	May 2012	June 2015

Scientific Achievements

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	**S. Ali**, B.A. Ahmed, H.M. Irshad, I.A. Bakare, A.S. Hakeem, M. Qamaruddin, M.A. Ehsan, S. Ali, M.U. Azam	Evaluation of alumina reinforced oil fly ash composites prepared by spark plasma sintering,	Int. J. Appl .Ceram Technol.	(2020).
2	Almessiere MA, Slimani Y, Rehman S, Khan FA, Polat EG, **Sadaqat A**, Shirsath SE, Baykal A.: C.	Synthesis of Dy-Y co-substituted manganese-zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods.	Materials Science and Engineering	2020 Nov
3	**S.Ali**, M. Almessiere, Y. Slimani, S. Guner, M. Sertkol, H. Albetran, A. Baykal, S.E. Shirsath, B. Ozcelik, I. Ercan,	Structural, optical and magnetic properties of Tb3+ substituted Co nanoferrites prepared via sonochemical approach.	Ceram. Int.	2019
4	S.Akhtar, **S.Ali**, F.M. Kafiah, A. Ibrahim, A. Matin, T. Laoui,	Preparation of graphene-coated anodic alumina substrates for selective molecular transport,	Carbon Lett.	2019
5	M.A. Almessiere, Y. Slimani, **S. Ali**, A. Baykal, I. Ercan, H. Sozeri	Nd^{3+}Ion-Substituted $Co_{1-2x}Ni_xMn_xFe_{2-y}Nd_yO_4$ Nanoparticles:Structural, Morphological, and Magnetic Investigations	J. Inorg. Organomet. Polym. Mater	2018

6	H.M Irshad, A.S Hakeem, B.A Ahmed, S. Ali, **S. Ali,** S. Ali, M.A Ehsan, T. Laouia,	Effect of Ni content and Al_2O_3 particle size on the thermal and mechanical properties of Al_2O_3/Ni composites prepared by spark plasma sintering.	Int. J. Refract. Met. Hard Mater.	2018

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Sajid Ali,Sikandar Khan, Mamon M. Horoub,Sadaqat Ali, Ahmad Albalasie,Arshad Jama	Effect of Baffles Location on the Rollover Stability of Partially Filled Road Container	2020
	Sikandar Khan, Arshad Jamal; Sajid Ali, Mamon M. Horoub, Ahmad Albalasie,Sadaqat Ali	Dynamic modeling and analysis of a four-bar mechanism for automobile applications	2020

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	MUHAMMAD SALEEM SHARIF HUSSAIN, Muhammad Nasar,Sadaqat Ali	A Fundamental Study to Evaluate the Bond of Reinforced Concrete Beams using Non-destructive Testing	29-03-2019
2	MUHAMMAD SALEEM SHARIF HUSSAIN, Muhammad Nasar,Sadaqat Ali	Combined use of Ultrasonic Pulse Velocity and the Schmidt Hammer Test to Improve the Accuracy of Non-destructive Pull-out load Carrying Capacity Estimation of Anchor Bolts	2019
3	MUHAMMAD SALEEM SHARIF HUSSAIN, Muhammad Nasar,Sadaqat Ali	Study to Understand the Effects of Varying Embedment Length on Non-Destructive Load Carrying Capacity of Concrete Anchors	30-4-2018

Current Researches

#	Research Title	Name of Investigator(s)
1	A green and sustainable catalytic method for the synthesis of new bioactive amides through C-N bond activation using a variety of nucleophiles.	Asma Elsharif, Waad Alshehri, Shamsuddeen Haladu, MADIHA KAMOUN,Sadaqat Ali
2	Using Artificial Neural Network and Non-destructive Assessment to Estimate the Strength of Epoxy Anchor Bolts	MUHAMMAD SALEEM SHARIF HUSSAIN, Muhammad Aziz,Muhammad Nasar,Sadaqat Ali
3	Innovative Technique for Achieving Uniform Temperatures across Solar Panels Using Heat Pipes and Liquid Immersion Cooling in the Harsh Climate in the Kingdom of Saudi Arabia	Fahad Alamri, Sajid Ali, Taher Maatallah, Sadaqat Ali, IJLAL ATEEQ

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Fluid Dynamics	ENG-321	Lab
2	Thermodynamic	ENRG-441	Lab
3	Steam Power Production	ENRG-504	Lab
4	Heat and Mass Tranfer	ENRG-313	Lab
5	Refigeration and Ac	ENRG-404	Lab
6	Renewable Energy	ENRG-403	Lab

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Seven years academic and research experience. Successfully played the roles of lab engineer, researcher and instructor.
2	Research interest in Materials Engineering (nanomaterials, polymers, composites) and Fluid Mechanics. Experienced in working with various lab instruments required for R&D and Materials Sciences

Last Update

14/03/2021