

Prof. Dr. Muhammad Ali Nasir

Dr Muhammad Ali Nasir is currently serving as a Professor of Mechanical Engineering Department, UET Taxila. He has joined MED on 31-5-2003 as a Lecturer, he did Masters and PhD in Mechanical Engineering. He has experience of more than 21 years of Teaching, Research & Development now and has more than 65 research publications and 02 book chapters also. He has an impact factor of around 175, 1215 citations, H-index: 20, i-10 index: 32. He has supervised more than 35 MSc Thesis and 05 PhD students under Supervision. He has an extensive experience of Teaching, Research & Development in the areas of Mechanical Engineering, Advanced Materials, Composite Materials, Smart Structures, Nanomaterials. He is registered as Professional Engineer with Pakistan Engineering Council.

Currently, he is serving as Director Planning & Development, UET Taxila and Chairman of Energy Engineering Department. He has completed many funded research projects. He has active International research collaborations in different advanced countries like UK, China, Turkey and Malaysia. He has extensive R&D collaborations with different national organizations like AADIC HIT Taxila, AWC, POF, PMO, NewTech Pipes. He has been awarded with Springer Journal JMST International Award for Most Cited Paper of Year 2021.

International Research Collaborations/Activities:

- “3D Printed Composites” with Prof. Dr. Lida Shen, Nanjing University of Aeronautics & Astronautics, NUAA, Nanjing, China, ldshen@nuaa.edu.cn
- Prof. Dr. Mehmet Karahan, Bursa Uludag University, Bursa, Turkey. mkarahan@uludag.edu.tr
- “Advanced Composite Materials”, Prof. Dr. Mahmoud Shafik, College of Science and Engineering, University of Derbin, UK, mshafik@derby.ac.uk
- Prof. Dr. Sapuan Salit, University Putra Malaysia, Malaysia, sapuan@upm.edu.my

In addition, I have also actively participated in few training sessions on Outcome Based Education (OBE) and also being part of the OBE team of MED as a convener of Subject Assessment Committee which ensures proper implementation of PLOs assessment and CQI processes. These days I am also serving as Director DQEC and Member of Program Team also.

Book Chapters:

Elsevier Science Direct: “Fundamentals of engineered nanoparticles for wastewater treatment: Challenges and opportunities for resource recovery” in book Novel Approaches Towards Wastewater Treatment and Resource Recovery Technologies, Chapter 15, 2022, Pages, 279-294, <http://dx.doi.org/10.1016/B978-0-323-90627-2.00013-7>

IntechOpen: “Structural health monitoring of glass fiber composite materials by piezoelectric nanosensors under cyclic loading”, in book Advanced Ceramics and Applications, Chapter 5, September, 2021, IntechOpen, <http://dx.doi.org/10.1515/9783110627992-005>

He has an extensive administrative experience of different posts:

- Chairman Energy Engineering Department, UET Taxila since February 2024.
- Director Planning & Development, UET Taxila since 02-05-2024

- Chairman, Metallurgy & Materials Engineering department, University of Engineering & Technology, Taxila, Pakistan for a period of 3 months.
- Director, Postgraduate studies, Mechanical Engineering Department since 2017.
- Worked as Resident Tutor Hostels for 5 Years (2003-2008)
- Member University Sports Committee.
- Member & Secretary, Board of Undergraduate Studies, MED, UET Taxila (2007 till 2015)
- Director Scholarships, UET Taxila (2016-2020)
- Member Scrutinee Committie, MED, UET Taxila
- Associate Editor, Technical Journal, UET Taxila
- Director QEC, MED, UET Taxila since 2021
- OBE Program Evaluator(PEV) of Pakistan Engineering Council, 2022