Muhammad Munir Butt

Assistant Professor

School of Interdisciplinary Engineering & Sciences

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Contact:

About

Dr. Muhammad Munir Butt is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Muhammad Munir Butt has a PhD in Mathematics. Dr. Muhammad Munir Butt has published 16 research articles & conference papers having a citation count of 87, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics   2008 - 2011
Universität Graz , Austria

MPhil in Mathematics   2003 - 2006
Government College University Lahore , Pakistan

MSc in Mathematics   2001 - 2003
Government College University Lahore , Pakistan

Experience

Assistant Professor   2024- Present
School of Interdisciplinary Engineering & Sciences

Assistant Professor   2019 - 2022
King Fahd University of Petroleum and Minerals , Saudi Arabia

Assistant Professor   2012 - 2016
University of Lahore , Lahore

Lecturer   2004 - 2008
Government College University Lahore , Lahore

Research Projects

National Projects

Autonomous Aerial 3D Mapping System   2024
Funding Agency: NUST
Amount: PKR 1,000,000.00
Status: Approved_inprocess

International Projects

Research Articles

Optimized Integral Super-Twisting Sliding Mode Control for Acute Leukemia Therapy   2025
Muhammad Munir Butt Azhar Iqbal Kashif Butt
Mathematics , Volume:13, Issue:07, Article Number: 1077, Pages:20
Impact Factor: 2.3 | **Quartile:** 1
DOI: https://doi.org/10.3390/math13071077

Integral sliding mode and Integral supertwisting sliding mode control for ship course-keeping   2025
Muhammad Munir Butt Azhar Iqbal Kashif Butt Iftikhar Ahmad
IEEE Access , Volume 13, Pages 9006-9014
Impact Factor: 3.400 | **Quartile:** 2
DOI: 10.1109/ACCESS.2025.3528126

A numerical scheme to solve Fokker–Planck control collective-motion problem   2024

Muhammad Munir Butt S. Roy

Mathematics and Computers in Simulation, Volume 225, Pages 1056-1071

Numerical solution to 3D bilinear Fokker–Planck control problem 2022

Muhammad Munir Butt

International Journal of Computer Mathematics, Volume 99, Issue 12, Pages 2466-2481

On a multigrid solver for stationary Navier–Stokes velocity–pressure tracking-type control problems 2022

Muhammad Munir Butt

Mathematics and Computers in Simulation, Volume 192, Pages 246-264

Two-level method for a time-independent Fokker–Planck control problem 2021

Muhammad Munir Butt

International Journal of Computer Mathematics, Volume:98, Issue:8, Page:1542-1560

Multigrid method for optimal control problem constrained by stochastic stokes equations with noise 2021

Muhammad Munir Butt

Mathematics, Volume 9, Issue 7, Article Number 738

Two-level difference scheme for the two-dimensional Fokker–Planck equation 2021

Muhammad Munir Butt

Mathematics and Computers in Simulation, Volume:180, Pages:276-288

A multigrid solver for Stokes control problems 2017

Muhammad Munir Butt

International Journal of Computer Mathematics, Volume 94, Issue 12, Pages 2297-2314

A feasible flow-based iterative algorithm for the two-level hierarchical time minimization transportation problem 2017

Fanrong Xie Muhammad Munir Butt Zuoan Li

Computers and Operations Research, Volume 86, Pages 124-139

A Full Multigrid Method for Distributed Control Problems Constrained by Stokes Equations 2017

Muhammad Munir Butt Y. Yuan

Numerical Mathematics, Volume 10, Issue 3, Pages 639-655

An upper bound on the minimal total cost of the transportation problem with varying demands and supplies 2017

Fanrong Xie Muhammad Munir Butt ZuoanLi LinzhiZhu

Omega, Volume 68, Pages105-118

Formulation and multigrid solution of Cauchy-Riemann optimal control problems 2011

Muhammad Munir Butt Alfio Borzi

Computing and Visualization in Science, Volume 14, Issue 2, Pages 79-90

A full multigrid solution of control-constrained CauchyRiemann optimal control problems

Muhammad Munir Butt Alfio Borzi

Numerical methods for heat equation with variable coefficients

M.M. Butt M.S.A. Taj

Conference Proceedings

A Multigrid Solver for Navier-Stokes Tracking-Type Control Problems

Muhammad Munir Butt

NUST Conference on Recent Trends in Mathematical Sciences-IV (RTMS-IV), res.country(177,)