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 Universität Graz , Austria	2008 - 2011
MPhil in Mathematics Government College University Lahore , Pakistan	2003 - 2006
MSc in Mathematics Government College University Lahore , Pakistan	2001 - 2003

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

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

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

2025

2025

Mathematics and Computers in Simulation, Volume 225, Pages 1056-1071	
Impact Factor: 4.400 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.matcom.2023.10.005	
Numerical solution to 3D bilinear Fokker–Planck control problem Muhammad Munir Butt	2022
International Journal of Computer Mathematics, Volume 99, Issue 12, Pages 2466-2481	
Impact Factor: 1.800 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1080/00207160.2022.2067987	
On a multigrid solver for stationary Navier–Stokes velocity–pressure tracking-type control problems	2022
Muhammad Munir Butt	LULL
Mathematics and Computers in Simulation, Volume 192, Pages 246-264	
Impact Factor: 4.6 Quartile: 1	
DOI: 10.1016/j.matcom.2021.08.025	
Two-level method for a time-independent Fokker–Planck control problem Muhammad Munir Butt	2021
International Journal of Computer Mathematics, Volume:98, Issue:8, Page:1542-1560	
Impact Factor: 1.750 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1080/00207160.2020.1825696	
Multigrid method for optimal control problem constrained by stochastic stokes equations with noise Muhammad Munir Butt	2021
Mathematics , Volume 9, Issue 7, Article Number 738	
Impact Factor: 2.592 Quartile: 1 Citations: 2	
DOI: https://doi.org/10.3390/math9070738	
Two-level difference scheme for the two-dimensional Fokker–Planck equation Muhammad Munir Butt	2021
Mathematics and Computers in Simulation, Volume:180, Pages:276-288	
Impact Factor: 3.601 Quartile: 1 Citations: 7	
DOI: https://doi.org/10.1016/j.matcom.2020.09.001	
A multigrid solver for Stokes control problems	2017
Muhammad Munir Butt	
International Journal of Computer Mathematics, Volume 94, Issue 12, Pages 2297-2314 Impact Factor: 1.054 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.1080/00207160.2017.1283022	
A feasible flow-based iterative algorithm for the two-level hierarchical time minimization transportation	2017
problem	2017
Fanrong Xie Muhammad Munir Butt Zuoan Li	
Computers and Operations Research, Volume 86, Pages 124-139	
Impact Factor: 2.962 Quartile: 1 Citations: 20	
DOI: https://doi.org/10.1016/j.cor.2017.05.003	
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	
Impact Factor: 0.695 Quartile: 3 Citations: 9 DOI: https://doi.org/10.4208/nmtma.2017.m1637	
An upper bound on the minimal total cost of the transportation problem with varying demands and	2017
Supplies Foreign Via Muhammad Munic Butt Zuganl i LinzbiZhu	
Fanrong Xie Muhammad Munir Butt ZuoanLi LinzhiZhu Omega , Volume 68, Pages105-118	
Impact Factor: 4.311 Quartile: 1 Citations: 24	
DOI: https://doi.org/10.1016/j.omega.2016.06.007	
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	
Impact Factor: 0 Citations: 7	

Muhammad Munir Butt S. Roy

DOI: 10.1007/s00791-011-0161-9

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

Muhammad Munir Butt Alfio Borzi

Journal of Numerical Mathematics, Volume 19, Issue 3, Pages 189-214

Numerical methods for heat equation with variable coefficients

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

International Journal of Computer Mathematics, Volume 86, Issue 9, Pages 1612-1623

Impact Factor: 0.478 | Quartile: 4 | Citations: 5

DOI: 10.1080/00207160801965172

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,)

Citations: N/A DOI: Nil

2011

2009

2024