Abdul Qadeer Malik

Adjunct Faculty

School of Chemical & Materials Engineering

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About

Dr. Abdul Qadeer Malik is working as Adjunct Faculty in the School of Chemical & Materials Engineering. Dr. Abdul Qadeer Malik has a PhD in Physical Chemistry (Kinetics). Dr. Abdul Qadeer Malik has published 42 research articles & conference papers having a citation count of 197, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Physical Chemistry (Kinetics) 1982 - 1986
University of Essex , United Kingdom

MSc in Chemistry 1975 - 1977
Quaid-i-Azam University , Pakistan

BSc in Chem, Phy 1963 - 1965
University of Karachi , Pakistan

Experience

Adjunct Faculty 2024- Present
School of Chemical & Materials Engineering

Adjunct Faculty 2022 - 2024
School of Chemical & Materials Engineering

Consultant 2021 - 2022
School of Chemical & Materials Engineering

Consultant 2014 - 2021
School of Chemical & Materials Engineering

Regular Visiting Faculty 2011 - 2014
School of Chemical & Materials Engineering

Regular Visiting Faculty 2006 - 2011
School of Chemical & Materials Engineering

Principal Research/Exper offr 1966 - 2006
DESTO,Chattarr , DESTO,Chattarr,Islamabad

Awards

Star Laurient 2008

Pride of Performance 2002

Research Articles

Experimental validation and optimization of bendable linear shaped charges with degressive explosive thickness for aerospace and defense applications 2025

Muhammad Soulaman Khan Muhammad Ahsan Sarah Farrukh Iftikhar Ahmad Erum Pervaiz Abdul Qadeer Malik

Journal of Energetic Materials , 1-33

Impact Factor: 1.700 | **Quartile:** 3

DOI: https://doi.org/10.1080/07370652.2025.2495558

Tuning the Electrochemical Performance of CuO Nanoparticles via Hydrothermal Synthesis 2025

Sonadia Abdul Hakim Shah Saima Perveen . Anwar Ul-Hamid Fahad Azad

JOM , Volume:77, Pages:1586-1594

Impact Factor: 2.1 | **Quartile:** 2 | **Citations:** 1

DOI: https://doi.org/10.1007/s11837-024-07073-5

Free-Flowing Polymer-Bonded Powder Composition of Hexahydro-1,3,5-trinitro-1,3,5-triazine using Solvent-Slurry Coating 2024

Muhammad Soulaman Khan Muhammad Ahsan Sarah Farrukh Erum Pervaiz Abdul Qadeer Malik

Polymers , Volume 16(6), 841

Impact Factor: 5.0 | **Quartile:** 1 | **Citations:** 1

DOI: doi.org/10.3390/polym16060841

Blast and Fragmentation Studies of a Scaled Down Artillery Shell-Simulation and Experimental Approaches 2021

Khurshid Ahmed Abdul Qadeer Malik Arshad Hussain Iram Raza Ahmad Iftikhar Hussain Gul

International Journal of Multiphysics, Volume 15(1), Pages 49-71

Impact Factor: N/A

DOI: 10.21152/1750-9548.15.1.49

Lightweight Protective Configurations against Blast and Fragments Impact- Experimental and Numerical Studies 2020

Khurshid Ahmed Abdul Qadeer Malik Arshad Hussain Iftikhar Ahmad Iram Raza Ahmad

AIP Advances , Volume 10, Article Number 095221

Impact Factor: 1.548 | **Quartile:** 4 | **Citations:** 10

DOI: 10.1063/5.0022982

Effect of Silicon Contents on Different Oxidizers Used in Delay Composition 2019

Abdul Qadeer Malik Azizullah Khan Zulfiqar H. Lodhi

Journal of the Chemical Society of Pakistan, Volume 41, Issue 5, Pages 735-740

Impact Factor: 0.300 | **Quartile:** 4

DOI: -

Heterogeneous lightweight configuration for protection against 7.62 x 39 mm bullet impact 2019

Abdul Qadeer Malik Iram Raza Ahmad Khurshid Ahmed

International Journal of Protective Structures, Volume: 10, Issue: 3, Pages 289-305, Special Issue: SI

Impact Factor: - | **Citations:** 7

DOI: DOI:10.1177/2041419619839216

Development and Experimental Investigation on Delay Time Consistency of Modified Si/PbO/Pb3O4/FG Pyrotechnic Delay Composition 2019

Dr.Abdul Qadeer Malik

Engineering, Technology & Applied Science Research, Vol. 7, No. 6, Pages 2167-2170

Impact Factor: 0

DOI: -

Analytical performance study of explosively formed projectiles 2019

Iftikhar Hussain Gul A. Hameed Hetherington, J. G. Abdul Qadeer Malik Khairuddin Sanaullah

Journal of Applied Mechanics and Technical Physics, Volume 54, Issue 1, Pages 10-20

Impact Factor: 0.649 | **Quartile:** 4 | **Citations:** 19

DOI: 10.1134/S0021894413010021

Effect of body material and temperature variation on the performance of the time delay pyrotechnic compositions 2018

Azizullah Khan Zulfiqar Hameed Lodhi Zain Ul Abdin Abdul Qadeer Malik

Defence Technology , Volume 14, Issue 3, Pages 261-265

Impact Factor: 1.261 | **Quartile:** 3 | **Citations:** 6

DOI: 10.1016/j.dt.2018.03.006

Study of effect of binders and loading pressures on the performance of the time delay pyrotechnic compositions 2018

Azizullah Khan Abdul Qadeer Malik Zulfiqar Hameed Lodhi Gul Badshah

Journal of Energetic Materials , NULL

Impact Factor: 1.649 | **Quartile:** 3 | **Citations:** 15

DOI: 10.1080/07370652.2018.1441925

Development and Parametric Study of B/BaCrO4/FG Pyrotechnic Delay Composition 2017

Azizullah Khan Abdul Qadeer Malik Zulfiqar Hameed Lodhi Syed Ammar Hussain

Combustion Science and Technology , NULL

Impact Factor: 1.132 | **Quartile:** 3 | **Citations:** 6

DOI: 10.1080/00102202.2017.1410800

Development and Study of High Energy Igniter/Booster Pyrotechnic Compositions for Impulse Cartridges 2017

Azizullah Khan Abdul Qadeer Malik Zulfiqar H. Lodhi

Central European Journal of Energetic Materials , NULL

Impact Factor: 1.040 | **Quartile:** 3 | **Citations:** 10

DOI: 10.22211/cejem/76881

Synthesis and Characterization of Commercial Grade Energetic Materials using Decanted 2,4,6 Tri-nitrotoluene (TNT) 2017

Dr.Abdul Qadeer Malik Muhammad Farooq Ahmed Arshad Hussain

Journal of the Chemical Society of Pakistan, Volume 39, Issue 4, Pages 552-559

Impact Factor: 0.28 | **Quartile:** 4

DOI: -

Thermal and Kinetic Studies of Trinitrotoluene (TNT) and Amatol Vis-a-Vis Oxygen Balance 2017

Akhtar Junaid Malik Abdul Qadeer

International Journal of Scientific & Engineering Research, NULL

Impact Factor: 0

DOI: https://www.ijser.org/researchpaper/Thermal-and-Kinetic-Studies-of-Trinitrotoluene-TNT-and-Amatol-Vis-a-Vis-Oxygen-Balance.pdf

Accelerated ageing of SR-562 pyrotechnic composition and investigation of its thermo kinetic parameters 2017

Zaheer-ud-din Babar Abdul Qadeer Malik

Fire and Materials , Volume: 41, Issue: 2, Pages:131-141

Impact Factor: 1.220 | **Quartile:** 4 | **Citations:** 9

DOI: 10.1002/fam.2371

Investigation of the thermal decomposition of magnesium-sodium nitrate pyrotechnic composition (SR-524) and the effect of accelerated aging 2017

Zaheer-ud-din Babar Abdul Qadeer Malik

Journal of Saudi Chemical Society, Volume 21, Issue 3, Pages 262-269

Impact Factor: 2.456 | **Quartile:** 2 | **Citations:** 18

DOI: 10.1016/j.jscs.2015.06.005

Effect of Thermal Treatment on Production of Graphene from Graphite via Exfoliation in Organic Solvent (Acetonitrile) 2016

Khalid Nawaz Muhammad Ayub Arshad Hussain Abdul Qadeer Malik Muhammad Bilal Khan Muzammil Hussain Asad Ullah Khan Noaman Ul-Haq Muhammad Bilal Khan Niazi

Journal of the Chemical Society of Pakistan, Volume 38, Issue 5, Pages 822-827

Impact Factor: 0.327 | **Quartile:** 4

DOI: -

Thermal and morphological analysis of TNT and RDX recovered from unserviceable composition B explosive for re-utilization 2016

Muhammad Farooq Ahmed Arshad Hussain Dr.Abdul Qadeer Malik

Journal of the Chemical Society of Pakistan, Volume: 38 Issue: 4 Pages: 623-630

Impact Factor: 0.327 | **Quartile:** 4

DOI: -

Effect of Concentration of Surfactant on the Exfoliation of Graphite to Graphene in Aqueous Media 2016

Khalid Nawaz Muhammad Ayub Dr. Muhammad Bilal Khan Dr. Arshad Hussain Dr. Abdul Qadeer Malik Muhammad Bilal Khan Niazi Muzammil Hussain Asad Ullah Khan Noaman Ul-Haq

Nanomaterials and Nanotechnology , -

Impact Factor: 1.536 | **Quartile:** 3 | **Citations:** 12

DOI: DOI:10.5772/62290

Penetration Evaluation of Explosively Formed Projectiles Through Air and Water Using Insensitive Munition: Simulative and Experimental Studies 2016

Mukhtar Ahmed Abdul Qadeer Malik Shakeel Abbas Rofi Zheng Xiang Huang

Engineering, Technology & Applied Science Research, , Volume 6, No. 1, Pages 913-916

Impact Factor: -
DOI: -

Thermal Decomposition, Ignition and Kinetic Evaluation of Magnesium and Aluminium Fuelled Pyrotechnic Compositions 2015

Zaheer-ud-din Babar Dr.Abdul Qadeer Malik
Central European Journal of Energetic Materials, Volume 12, Issue 3, Pages 579-592
Impact Factor: 1.280 | **Quartile:** 3
DOI: -

An Investigation of Thermal Decomposition Kinetics of Nano Zinc Oxide Catalyzed Composite Propellant 2015

Zaheer-ud-din Babar Abdul Qadeer Malik
Combustion Science and Technology, Volume 187, Issue 8. Pages 1295-1315
Impact Factor: 1.193 | **Quartile:** 2 | **Citations:** 18
DOI: 10.1080/00102202.2015.1035375

Penetration performance of shaped charge jets using insensitive munitions, simulative and experimental studies 2015

Mukhtar Ahmed Zheng-xiang Huang Xu-dong ZU Qiang-qiang Xiao Munir Ahmed Abdul Qadeer Malik
Advanced Materials Research, Vol. 1102, Pages 119-123
Impact Factor: 0
DOI: 10.4028/www.scientific.net/AMR.1102.119

AACVD of Cu2-xS, In2S3 and CuInS2 thin films from [Cu(iBu2PS2)(PPh3)2] and [In(iBu2PS2)3] as single source precursors 2015

Sajid N. Malik Abdul Qadeer Malik Rana Farhat Mehmood Ghulam Murtaza Yousef G. Alghamdi Mohammad Azad Malik
New Journal of Chemistry, Volume 39, Issue 5, Pages 4047-4054
Impact Factor: 3.277 | **Quartile:** 2 | **Citations:** 14
DOI: DOI:10.1039/c4nj02289k

Synthesis of composites by doping of CNTs with nano Fe particles and its ignition through photo flashing 2015

S. SHAH H. NASIR A. MATEEN F. AZIZ CHISHTI F. KHATTAK I. YOUSAF S. ULLAH A. QADEER MALIK
Journal of Optoelectronics and Advanced Materials, Volume 17, Issue 1-2, Pages 127-132
Impact Factor: 0.383 | **Quartile:** 4
DOI:
https://www.researchgate.net/publication/282680823_Synthesis_of_composites_by_doping_of_CNTs_with_nano_Fe_particles_and_its_ignition_through_photo_flashing

Simulation study of Jet formation and Depth of Penetration against Steel Targets at different Cone Angles Using Autodyn-2D Hydrocode 2014

A. Mukhtar Zheng Xiang Huang Xu Dong Zu Qiang Qiang Xiao Dr.Abdul Qadeer Malik
Applied Mechanics & Materials, Volume 722
Impact Factor: 0
DOI: 10.4028/www.scientific.net/AMM.722.76

Kinetics of Thermal Decomposition of Nano Magnesium Oxide Catalyzed Ammonium Perchlorate 2014

Abdul Qadeer Malik Zaheer-ud-din Babar
Journal of the Chemical Society of Pakistan, Volume 36, No.6, Pages 1052-1058
Impact Factor: 0.345 | **Quartile:** 4
DOI: -

Synthesis of micro porous barium nitrate with improved ignition reliability as a reliable pyrotechnic oxidant 2014

Zaheer-ud-din Babar Abdul Qadeer Malik
Journal of Saudi Chemical Society, Volume 18, Issue 5, Pages 707-711
Impact Factor: 2.523 | **Quartile:** 2 | **Citations:** 7
DOI: 10.1016/j.jscs.2014.02.008

Thermal Decomposition and Kinetic Evaluation of Composite Propellant Material Catalyzed with Nano Magnesium Oxide 2014

Zaheer-ud-din Babar Dr.Abdul Qadeer Malik
NUST Journal of Engineering Sciences, Volume 7, Issue No.1, Pages 5-14
Impact Factor: 0

DOI: -

Hydrocode Simulation with Modified Johnson-Cook Model and Experimental Analysis of Explosively Formed Projectiles 2013

G. Hussian A. Hameed J. G. Hetherington P. C. Barton A. Q. Malik

Journal of Energetic Materials, Volume 31, Issue 2, pages 143-155

Impact Factor: 1.364 | **Quartile:** 2 | **Citations:** 23

DOI: 10.1080/07370652.2011.606453

Thermal and kinetic comparison of various oxidizers used in propellant /pyrotechnic compositions 2013

Zaheer-ud-din Babar Dr.Abdul Qadeer Malik

Caspian Journal of Applied Sciences Research, Volume 2, Issue 7, Pages. 63-69

Impact Factor: 0

DOI: -

The Explosively Formed Projectile (EFP) as a Standoff Sea Mine Neutralization Device 2012

G Hussain A Hameed J.G. Hetherington K. Sanaullah Dr.Abdul Qadeer Malik

Journal of Energetic Materials, Volume 31 Issue 2 Pages 100-114

Impact Factor: 1.341 | **Quartile:** 2 | **Citations:** 8

DOI: 10.1080/07370652.2011.587862

Experimental and simulation optimization analysis of the Whipple shields against shaped charge 2012

Ghulam Hussain A. Hameed I. Horsfall P. Barton Abdul Qadeer Malik

Acta Mechanica Sinica, Volume 28, Issue 3, Pages 877-884

Impact Factor: 0.688 | **Quartile:** 3 | **Citations:** 7

DOI: 10.1007/s10409-012-0107-6

Liner Material's Output Characteristics of Explosively Formed Projectiles (EFPs) 2012

G. Hussain A. Hameed P.Barton Muhammad Bilal Khan Niazi Arshad Hussain Dr.Abdul Qadeer Malik

Key Engineering Materials, Volumes 510-511, Pages 148-155

Impact Factor: 0 | **Citations:** 6

DOI: https://doi.org/10.4028/www.scientific.net/KEM.510-511.148

Thermal-cum kinetic behavior of Thermites 2012

Dr.Abdul Qadeer Malik Raja Muhammad Asif Khan

NUST Journal of Engineering Sciences, Volume 5, No.1, Pages 01-06

Impact Factor: 0

DOI: 10.24949%2Fnjes.v5i1.46

The Waveshaper Effect on Ta-MS Multiliner Explosive Formed Projectile with Tantalum as Penetrator and Mild Steel as Stabilization Base 2011

Ghulam Hussain Khairuddin Sanaullah Dr.Abdul Qadeer Malik

Mehran University Research Journal of Engineering and Technology, ISSN No.0254-7821,, Vol. 30, No. 3, Pages 10, Jul 2011

Impact Factor: 0

DOI: -

Conference Proceedings

Smart Materials to Direct Brain/Computer Interface 2018

Abdul Qadeer Malik

World Congress on Chemistry and Expo on Toxicology & Pharmacology, res.country(109,)

Citations: N/A

DOI: -

Heterogeneous lightweight configuration for protection against 7.62 x 39mm Bullet Impact 2018

Abdul Qadeer Malik Khurshid Ahmed Iram Raza Ahmad

5th International conference on protective structures, res.country(178,)

Citations: N/A

DOI: 10.1177/2041419619839216

Thermal Decomposition and Kinetic Evaluation of Decanted 2,4,6 Trinitrotoluene for Reutilization as Composite Material 2015

Dr.Abdul Qadeer Malik Muhammad Farooq Ahmad Arshad Hussain

14th International Symposium on Advanced Materials, res.country(177,)

Citations: N/A

DOI: 10.1088/1757-899X/146/1/012032

Dialkyldiseleno-phosphinato-metal complexes–a new class of single source precursors for deposition of metal selenide thin films and nanoparticles 2014

Sajid Nawaz Masood Akhtar Neerish Revaprasadu Mohammad Azad Malik Dr.Abdul Qadeer Malik

2nd International Conference on Structural Nano Composites (NANOSTRUC 2014), res.country(68,)

Citations: N/A

DOI: 10.1088/1757-899X/64/1/012019

Trainings

Aging Studies of Energetic Materials (Propellant and Explosive) 2024

Partner: Defense/Strategic Organization

Duration: 15-Jan-2024 to 19-Jan-2024

Modification in formulation of Energetic Materials & their effects 2022

Partner: Defense/Strategic Organization

Duration: 29-Aug-2022 to 02-Sep-2022

Aging Studies of Energetic Materials (Propellant and Explosive), 13- 17 June 2022 2022

Partner: Defense/Strategic Organization

Duration: 13-Jun-2022 to 17-Jun-2022