

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) University of Essex , United Kingdom	1982 - 1986
MSc in Chemistry Quaid-i-Azam University , Pakistan	1975 - 1977
BSc in Chem, Phy University of Karachi , Pakistan	1963 - 1965

Experience

Adjunct Faculty School of Chemical & Materials Engineering	2024- Present
Adjunct Faculty School of Chemical & Materials Engineering	2022 - 2024
Consultant School of Chemical & Materials Engineering	2021 - 2022
Consultant School of Chemical & Materials Engineering	2014 - 2021
Regular Visiting Faculty School of Chemical & Materials Engineering	2011 - 2014
Regular Visiting Faculty School of Chemical & Materials Engineering	2006 - 2011
Principal Research/Exper offr DESTO,Chattarr , DESTO,Chattarr,Islamabad	1966 - 2006

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 <i>Muhammad Soulam Khan Muhammad Ahsan Sarah Farrukh Itikhar Ahmad Erum Pervaiz Abdul Qadeer Malik</i> <i>Journal of Energetic Materials</i> , 1-33 Impact Factor: 1.700 Quartile: 3 DOI: https://doi.org/10.1080/07370652.2025.2495558	2025
Tuning the Electrochemical Performance of CuO Nanoparticles via Hydrothermal Synthesis <i>Sonadia Abdul Hakim Shah Saima Perveen . Anwar Ul-Hamid Fahad Azad</i>	2025

<i>JOM</i> , 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
<i>Muhammad Soulam Khan Muhammad Ahsan Sarah Farrukh Erum Pervaiz Abdul Qadeer Malik</i>	
<i>Polymers</i> , 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
<i>Khurshid Ahmed Abdul Qadeer Malik Arshad Hussain Iram Raza Ahmad Iftikhar Hussain Gul</i>	
<i>International Journal of Multiphysics</i> , 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
<i>Khurshid Ahmed Abdul Qadeer Malik Arshad Hussain Iftikhar Ahmad Iram Raza Ahmad</i>	
<i>AIP Advances</i> , 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
<i>Abdul Qadeer Malik Azizullah Khan Zulfiqar H. Lodhi</i>	
<i>Journal of the Chemical Society of Pakistan</i> , 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
<i>Abdul Qadeer Malik Iram Raza Ahmad Khurshid Ahmed</i>	
<i>International Journal of Protective Structures</i> , 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
<i>Dr.Abdul Qadeer Malik</i>	
<i>Engineering, Technology & Applied Science Research</i> , Vol. 7, No. 6, Pages 2167-2170	
Impact Factor: 0	
DOI: -	
Analytical performance study of explosively formed projectiles	2019
<i>Iftikhar Hussain Gul A. Hameed Hetherington, J. G. Abdul Qadeer Malik Khairuddin Sanaullah</i>	
<i>Journal of Applied Mechanics and Technical Physics</i> , 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
<i>Azizullah Khan Zulfiqar Hameed Lodhi Zain Ul Abdin Abdul Qadeer Malik</i>	
<i>Defence Technology</i> , 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
<i>Azizullah Khan Abdul Qadeer Malik Zulfiqar Hameed Lodhi Gul Badshah</i>	
<i>Journal of Energetic Materials</i> , 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 Trinitrotoluene (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
<i>G. Hussain A. Hameed J. G. Hetherington P. C. Barton A. Q. Malik</i> <i>Journal of Energetic Materials</i> , 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
<i>Zaheer-ud-din Babar Dr.Abdul Qadeer Malik</i> <i>Caspian Journal of Applied Sciences Research</i> , Volume 2, Issue 7, Pages. 63-69	
Impact Factor: 0	
DOI: -	
The Explosively Formed Projectile (EFP) as a Standoff Sea Mine Neutralization Device	2012
<i>G Hussain A Hameed J.G. Hetherington K. Sanaullah Dr.Abdul Qadeer Malik</i> <i>Journal of Energetic Materials</i> , 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
<i>Ghulam Hussain A. Hameed I. Horsfall P. Barton Abdul Qadeer Malik</i> <i>Acta Mechanica Sinica</i> , 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
<i>G. Hussain A. Hameed P.Barton Muhammad Bilal Khan Niazi Arshad Hussain Dr.Abdul Qadeer Malik</i> <i>Key Engineering Materials</i> , 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
<i>Dr.Abdul Qadeer Malik Raja Muhammad Asif Khan</i> <i>NUST Journal of Engineering Sciences</i> , 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
<i>Ghulam Hussain Khairuddin Sanaullah Dr.Abdul Qadeer Malik</i> <i>Mehran University Research Journal of Engineering and Technology</i> , 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