

Nisar Ahmed

Lab Engineer

US-Pakistan Center for Advanced Studies in Energy

Email: lab.engineerese@uspcase.nust.edu.pk

Contact:



About

Dr. Nisar Ahmed is working as Lab Engineer in the US-Pakistan Center for Advanced Studies in Energy. Dr. Nisar Ahmed has published 8 research articles & conference papers having a citation count of 41, carried out 2 projects and filed 0 intellectual property.

Qualifications

MS in Thermal Energy Engg NUST, Islamabad , Pakistan	2017 - 2020
BE in Chemical Engineering NUST, Islamabad , Pakistan	2013 - 2017

Experience

Lab Engineer US-Pakistan Center for Advanced Studies in Energy	2022- Present
Research Associate NUST , USPCAS-E, NUST, H12, Islamabad	2020 - 2022

Research Projects

National Projects

Zirconia coating on Ti-alloy and ceramic substrates for enhanced thermal protection Funding Agency: NESCOM Amount: PKR 300,000.00 Status: Completed	2023
Surface modification of Fiber Reinforced Composite for Fair Thermal Stability and Bonding Strength - Phase II Funding Agency: NESCOM Amount: PKR 400,000.00 Status: Completed	2023

International Projects

A comparative study on exploring sputtered titanium nitride thin films for high-performance supercapacitors <i>Mahnoor Ahmed Nisar Ahmed Haseeb Ahmad Shahid Bashir Ramesh Subramaniam Ghulam Ali</i> <i>Journal of Energy Storage</i> , Volume 105, Article Number 114712 Impact Factor: 8.900 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.est.2024.114712	2025
Impact of atmospheric plasma spraying parameters on microstructure, mechanical properties and thermal cycling performance of YSZ coatings <i>Muhammad Tahir Muhammad Qasim Nisar Ahmed Aamir Naseem Satti Anwaar Ellahi Malik Zuhair S. Khan Mustafa Anwar</i> <i>Ceramics International</i> , Volume 50, Issue 24, Part B, Pages 53976-53986 Impact Factor: 5.100 Quartile: 1 Citations: 8 DOI: https://doi.org/10.1016/j.ceramint.2024.10.253	2024
High performance aluminized Monel coatings with prolonged corrosion resistance in saline environment <i>Muhammad Shaheer Aslam Nisar Ahmed Zuhair S. Khan</i> <i>Materials Chemistry and Physics</i> , Volume 313, Article Number 128695 Impact Factor: 4.6 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1016/j.matchemphys.2023.128695	2024
Structural Evolution and Irradiation Hardening Studies in α-particles Irradiated Mo Thin Films <i>Nisar Ahmed Zuhair Subhani Khan Asghar Ali Muhammad Azhar Iqbal Muhammad Imran Shahzad Nadia Shahzad</i> <i>Materials Today Communications</i> , Volume 34, Article Number 105238 Impact Factor: 3.662 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1016/j.mtcomm.2022.105238	2023
Microstructure and residual stress dependence of molybdenum films on DC magnetron sputtering conditions <i>Nisar Ahmed Zuhair Subhani Khan Asghar Ali</i> <i>Applied Physics A: Materials Science and Processing</i> , Volume 128, Issue 11, Article Number 967 Impact Factor: 2.983 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1007/s00339-022-06097-5	2022
Effects of Annealing Treatment on Corrosion Resistance of Arc Sprayed Aluminum Coating <i>Muhammad Abaid Ashraf Nisar Ahmed Zuhair Subhani Khan Muhammad Azhar Iqbal Aamir Naseem Satti Ameerq Farooq</i> <i>Journal of Thermal Spray Technology</i> , Volume 31, Issue 6, Pages 1934-1943 Impact Factor: 2.839 Quartile: 3 Citations: 7 DOI: https://doi.org/10.1007/s11666-022-01413-0	2022
Si diffusion induced adhesion and corrosion resistance in annealed RF sputtered SiC films on graphite substrate <i>Nisar Ahmed Zuhair S. Khan Muhammad Abaid Ashraf Hina Pervaiz Mohsin Ali Marwat Ahmed Abdul Qayyum</i> <i>Ceramics International</i> , Volume 48, Issue 8, Pages 11009-11017 Impact Factor: 5.2 Quartile: 1 Citations: 9 DOI: https://doi.org/10.1016/j.ceramint.2021.12.321	2022
Effects of Process Parameters on the Microstructural Characteristics of DC Magnetron Sputtered Molybdenum Films on Graphite Substrate <i>Muhammad Azhar Iqbal Zuhair S Khan Nisar Ahmed Asghar Ali</i> <i>Arabian Journal for Science and Engineering</i> , Pages 1-8 Impact Factor: 2.334 Quartile: 3 Citations: 5 DOI: https://doi.org/10.1007/s13369-020-04888-7	2020