

Bilal Anjum

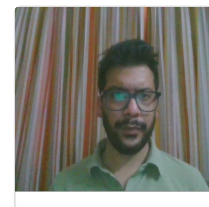
Assistant Professor

College of Electrical & Mechanical Engineering

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About

Dr. Bilal Anjum is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Bilal Anjum has a PhD in Materials And Ceramics. Dr. Bilal Anjum has published 27 research articles & conference papers having a citation count of 384, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Materials And Ceramics King Fahad University of Petroleum and Minerals , Saudi Arabia	2015 - 2018
MS in Materials NUST, Islamabad , Pakistan	2011 - 2013
BE in Mechanical NUST, Islamabad , Pakistan	2007 - 2011

Experience

Assistant Professor College of Electrical & Mechanical Engineering	2023- Present
Assistant Professor College of Electrical & Mechanical Engineering	2018 - 2023
Lecturer-B King Fahd University of Petroleum and Minerals , KFUPM, Dhahran 31261, Saudi Arabia	2015 - 2018
Lecturer Institute of Space Technology , Toll Plaza, 1 Islamabad Highway Near Rawat, Sector H DHA Phase II, Islamabad, Islamabad Capital Ter	2013 - 2015
Assistant Engineer KRL , KRL Kahuta	2012 - 2013

Awards

Rector's Gold Medal Rector's Gold Medal for Best Final Year Project	2011
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Professional Memberships

PEC	Since 2017
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Research Projects

National Projects

Effect of Compaction Pressure and Sintering Temperature on the Porosity of Ceramic Membranes for Water Purification	2019
Funding Agency: HEC	
Amount: PKR 500,000.00	
Status: Completed	
Effect of Compaction Pressure and Sintering Temperature on the Porosity of Ceramic Membranes for Water Purification	2019
Funding Agency: HEC	
Amount: PKR 500,000.00	
Status: Completed	
Preparation of Si3N4 Ceramics and its Phase Detection by X-Ray Diffraction	2019
Funding Agency: HEC	
Amount: PKR 500,000.00	
Status: Completed	

International Projects

Research Articles

Synthesis of Mg-stabilized nitrogen-rich alpha-sialons along Si3N4–0.5Mg3N2:3AlN line via field-assisted sintering	2022
Bilal Anjum Ahmed Tahar Laoui Abbas Saeed Hakeem	
Journal of the American Ceramic Society , Pages 1-11	
Impact Factor: 4.186 Quartile: 1 Citations: 8	
DOI: 10.1111/jace.18838	
Performance Prediction of Erosive Wear of Steel for Two-Phase Flow in an Inverse U-Bend	2022
Saifur Rahman Muhammad Rehan Khan Usama Muhammad Niazi Stanislaw Legutko Muhammad Ali Khan Bilal Anjum Jana Petru Jiří Hajnýš Muhammad Irfan	
Materials , Volume 15(16), Article Number 5558	
Impact Factor: 3.748 Quartile: 1 Citations: 7	
DOI: https://doi.org/10.3390/ma15165558	
Investigation of the Impact Resistance Behavior of Customized Hair Clipper Comb Fabricated by Fused Deposition Modeling	2022
Uzair Ali Hasan Aftab Saeed Bilal Anjum Sajid Ullah Butt Muhammad Rehan Khan	
Sustainability , Volume 14(13), Article Number 8071	
Impact Factor: 3.889 Quartile: 2 Citations: 1	
DOI: https://doi.org/10.3390/su14138071	
Multi-Objective Welding-Parameter Optimization Using Overlaid Contour Plots and the Butterfly Optimization Algorithm	2022
Rehan Waheed Hasan Aftab Saeed Bilal Anjum	
Materials , Volume 15, Issue 13, Article Number 4507	
Impact Factor: 3.748 Quartile: 1 Citations: 5	
DOI: doi.org/10.3390/ma15134507	
Influence of Elbow Angle on Erosion-Corrosion of 1018 Steel for Gas–Liquid–Solid Three Phase Flow	2022
Muhammad Rehan Khan Hamdan H. Ya Imran Shah Usama Muhammad Niazi Bilal Anjum Muhammad Irfan Adam Glowacz Zbigniew Pilch Frantisek Brumerick Mohammad Azeem Mohammad Azad Alam Tauseef Ahmed	
Materials , Volume 15(10), Article Number 3721	
Impact Factor: 3.623 Quartile: 1 Citations: 12	
DOI: https://doi.org/10.3390/ma15103721	
Development and Characterization of Silver-Doped Multi-Walled Carbon Nanotube Membranes for Water Purification Applications	2022
Muhammad Umar Amjad Bilal Anjum Ahmed Faisal Ahmed Hasan Aftab Saeed	
Membranes , Volume 12(2), Article Number 179	
Impact Factor: 4.106 Quartile: 1 Citations: 4	
DOI: https://doi.org/10.3390/membranes12020179	

- Effect of nano- and micro-sized Si₃N₄ powder on phase formation, microstructure and properties of β'-SiAlON prepared by spark plasma sintering** 2022
Bilal Anjum Ahmed Abdulhakim Bake Abbas Saeed Anwar Ul-Hamid Luai M. Alhems M. Ali Ehsan Mjed Hashem M.T. Tanvir Stuart Hampshire Ceramics International , Volume 48, Issue 2, Pages 1916-1925
Impact Factor: 5.2 | **Quartile:** 1 | **Citations:** 23
DOI: 10.1016/j.ceramint.2021.09.276
- Spark Plasma Sintering of SiAlON Ceramics Synthesized via Various Cations Charge Stabilizers and Their Effect on Thermal and Mechanical Characteristics** 2021
Muhammad Zulqarnain Falak Bilal Anjum Ahmed Hasan Aftab Saeed Sajid Ullah Butt Abbas Saeed Hakeem Usman Ali Akbar Crystals , Volume 11(11), Pages 1378
Impact Factor: 2.589 | **Quartile:** 2 | **Citations:** 7
DOI: <https://doi.org/10.3390/cryst11111378>
- Framework for Mitigation of Welding Induced Distortion through Response Surface Method and Reinforcement Learning** 2021
Rehan Waheed Hasan Aftab Saeed Sajid Ullah Butt Bilal Anjum Coatings , Volume 11(10), Article Number 1227
Impact Factor: 2.881 | **Quartile:** 2 | **Citations:** 4
DOI: doi.org/10.3390/coatings11101227
- Synthesis and characterization of alkaline earth and rare earth doped sialon Ceramics by spark plasma sintering** 2021
Abbas Saeed Hakeem Majid Khan Bilal Anjum Ahmed Ahmed Al Ghanim Faheemuddin Sadaqat Ali Tahar Laoui Sharafat Ali Muhammad Ali Ehsan International Journal of Refractory Metals and Hard Materials , Volume 97, Article Number 105500
Impact Factor: 4.804 | **Quartile:** 1 | **Citations:** 27
DOI: <https://doi.org/10.1016/j.ijrmhm.2021.105500>
- Thermomechanical and tribological properties of spark plasma sintered bearing steel/cBN(Ni) composites for engineering applications** 2020
Akeem Yusuf Adesina Abbas Saeed Hakeem Muhammad Umar Azam Bilal Anjum Almigdad B. Ibrahim Muhammad Ali Ehsan Ahmad A. Sorour Akeem Yusuf Adesina Abbas Saeed Hakeem Muhammad Umar Azam Almigdad B. Ibrahim Muhammad Ali Ehsan Ahmad A. Sorour Journal of Materials Research and Technology , Volume 9, Issue 6, Pages 14645-14661
Impact Factor: 5.039 | **Quartile:** 1 | **Citations:** 9
DOI: <https://doi.org/10.1016/j.jmrt.2020.10.025>
- Development of calcium stabilized nitrogen rich α-sialon ceramics along the Si₃N₄:1/2Ca₃N₂:3AlN line using spark plasma sintering** 2020
Bilal Anjum Tahar Laoui Abbas Saeed Hakeem Journal of Advanced Ceramics , Volume 9(5), Pages 606–616
Impact Factor: 6.707 | **Quartile:** 1 | **Citations:** 14
DOI: <https://doi.org/10.1007/s40145-020-0400-y>
- Evaluation of alumina reinforced oil fly ash composites prepared by spark plasma sintering** 2020
Sadaqat Ali Bilal Anjum Ahmed Hafiz Muzammil Irshad Akolade Idris Bakare Abbas Saeed Hakeem Muhammad Qamaruddin Sameer Ali M. Umar Azam International Journal of Applied Ceramic Technology , Pages 1-11
Impact Factor: 1.968 | **Quartile:** 2 | **Citations:** 7
DOI: <https://doi.org/10.1111/ijac.13491>
- The Property Characterization of α-Sialon/Ni Composites Synthesized by Spark Plasma Sintering** 2019
Adedayo Sheriff Adeniyi Bilal Anjum Ahmed Abbas Saeed Hakeem Faheemuddin Patel Akolade Idris Bakare Anwar Ul-Hamid Amir Azam Khan Muhammad Ali Ehsan Tahir Irfan Khan Anwar Ul-Hamid Amir Azam Khan Muhammad Ali Ehsan Tahir Irfan Khan Nanomaterials , Volume 9, Issue 12, Article Number 682
Impact Factor: 4.324 | **Quartile:** 2 | **Citations:** 19
DOI: 10.3390/nano9121682
- Tribological behaviour of alumina-based nanocomposites reinforced with uncoated and Ni-coated cubic boron nitride** 2019
M.Umar Azam Bilal Anjum Ahmed Abbas Saeed Hakeem Hafiz Muzammil Irshad Tahar Laoui Muhammad Ali Ehsan Faheemuddin Patel Fazal Ahmad Khalid Journal of Materials Research and Technology , -
Impact Factor: 5.289 | **Quartile:** 1 | **Citations:** 32
DOI: 10.1016/j.jmrt.2019.06.050

- Effect of nano-size oxy-nitride starting precursors on spark plasma sintering of calcium sialons along the alpha/(alpha+beta) phase boundary** 2019
Bilal Anjum Ahmed Abbas Saeed Hakeem Tahar Laoui
Ceramics International , CERAMICS INTERNATIONAL Volume: 45 Issue: 7 Pages: 9638-9645 Part: B
Impact Factor: 3.830 | **Quartile:** 1 | **Citations:** 18
DOI: 10.1016/j.ceramint.2018.11.005
- Joule Heating in Two-dimensional Materials Based Transistors** 2019
Faisal Ahmed Abbas Saeed Hakeem Bilal Anjum Ahmed
Research & Development in Material Science , Volume 10, Issue 4
Impact Factor: 0
DOI: 10.31031/RDMS.2019.10.000741
- Effect of Ni content and Al₂O₃ particle size on the thermal and mechanical properties of Al₂O₃/Ni composites prepared by spark plasma sintering** 2018
Hafiz Muzammil Irshad Bilal Anjum Ahmed Abbas Saeed Hakeem sharafat ali Sadaqat Ali Sameer Ali Muhammad Ali Ehsan Tahar Laoui
International Journal of Refractory Metals and Hard Materials , Volume: 76, Pages: 25-32
Impact Factor: 2.794 | **Quartile:** 1 | **Citations:** 40
DOI: 10.1016/j.ijrmhm.2018.05.010
- Synthesis of hard and tough calcium stabilized α -sialon/SiC ceramic composites using nano-sized precursors and spark plasma sintering** 2018
Bilal Anjum Ahmed Moath Abbas Saeed Tahar Laoui Raja Muhammad Awais
Journal of Alloys and Compounds , JOURNAL OF ALLOYS AND COMPOUNDS Volume: 757 Pages: 200-208
Impact Factor: 4.175 | **Quartile:** 1 | **Citations:** 19
DOI: 10.1016/j.jallcom.2018.05.062
- Low-temperature spark plasma sintering of calcium stabilized alpha sialon using nano-size aluminum nitride precursor** 2018
Bilal Anjum Ahmed Abbas Saeed Hakeem Tahar Laoui Moath Al-Malki Muhammad Ali Ehsan S.Ali
International Journal of Refractory Metals and Hard Materials , Volume: 71, Pages: 301-306
Impact Factor: 2.794 | **Quartile:** 1 | **Citations:** 21
DOI: 10.1016/j.ijrmhm.2017.11.009
- Effect of precursor size on the structure and mechanical properties of calcium-stabilized sialon/cubic boron nitride nanocomposites** 2017
Bilal Anjum Ahmed Abbas Saeed Hakeem Tahar Laoui Raja Muhammad Awais Moath Mohammad Al Malki Anwar Ul-Hamid Fazal Ahmad Khalid Nabi Bakhsh
Journal of Alloys and Compounds , Volume 728, Pages 836-843, 25 December 2017
Impact Factor: 3.779 | **Quartile:** 1 | **Citations:** 28
DOI: 10.1016/j.jallcom.2017.09.032
- Investigation of the structural and mechanical properties of micro-/nano-sized Al₂O₃ and cBN composites prepared by spark plasma sintering** 2017
Hafiz Muzammil Irshad Bilal Anjum Ahmed Muhammad Ali Ehsan Tahir Irfan Khan Tahar Laoui Muhammad Rizwan Yousaf Ahmed Ibrahim Abbas Saeed Hakeem
Ceramics International , CERAMICS INTERNATIONAL Volume: 43 Issue: 14 Pages: 10645-10653
Impact Factor: 3.057 | **Quartile:** 1 | **Citations:** 49
DOI: 10.1016/j.ceramint.2017.05.325
- Comparative study of Polyamide 6 reinforced with glass fiber and montmorillonite** 2015
Ahmad Nawaz Khan Bilal Anjum Ahmed
Polymer Bulletin , Volume 72, Issue 5, Pages 1207-1216
Impact Factor: 1.371 | **Quartile:** 3 | **Citations:** 30
DOI: 10.1007/s00289-015-1333-4
- Synthesis of Laser Beam Rapidly Solidified Novel Surfaces on D2 Tool Steel** 2012
B.A. Ahmed K.F. Rizwan Jafar A. Minhas Syed Waheed-ul-Haq M. Shahid
Key Engineering Materials , Volumes 510-511, Pages 493-499
Impact Factor: 0
DOI: 10.4028/www.scientific.net/KEM.510-511.493

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The Effect of Residual Stress in Welding Stainless Steel Bent Sections <i>Rehan Waheed Hasan Aftab Saeed Bilal Anjum Ahmed Sajid Ullah Butt Zahid Faraz</i> 19th International Bhurban Conference on Applied Sciences and Technology, IBCAST 2022, res.country(177,) Citations: N/A DOI: 10.1109/IBCAST54850.2022.9990077	2022
Optimization of Al-Cu Friction Stir Welding Parameters Through RSM and BOA <i>Rehan Waheed Hasan Aftab Saeed Bilal Anjum Ahmed Sajid Ullah Butt Zahid Faraz</i> 19th International Bhurban Conference on Applied Sciences and Technology, IBCAST 2022, res.country(177,) Citations: N/A DOI: 10.1109/IBCAST54850.2022.9990506	2022