

Dr. Sajid Hussain Siyal

(HEC Approved PhD Supervisor and Professional Engineer, PEC)
PhD (Materials Science and Engineering), M.E (Materials), B.E (Metallurgy & Materials)
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EDUCATION

Degree Received	Specilization	University/Institute	Duration
Doctorate (Ph.D.)	Materials Science and Engineering	Beijing University of Chemical Technology, China	September 2016 to December 2019
Masters (ME)	Materials Engineering	NED University of Engineering and Technology	August 2011 to December 2014
Bachelors (B.E)	Metallurgy and Materials Engineering	Mehran University of Engineering and Technology	January 2005 to December 2008

RESEARCH INTEREST

Development of Energy storage material, ceramics and their application in Lithium metal batteries/ Solid State Electrolyte. Synthesis, Development and Characterization of nanostructured materials.

WORK EXPERIENCE

Designation	Duration 2009- 2024	Institute/ University
Chairman (HoD) Department of Metallurgy and Materials Engineering	5 November 2020 to -date-	Dawood University of Engineering and Technology Karachi
Associate Professor (BPS-20)	5 November 2020 to -date-	Dawood University of Engineering and Technology Karachi
Assistant Professor (BPS-19)	30 December 2019 to 4 November 2020	Dawood University of Engineering and Technology, Karachi
Doctoral Researcher	4 Sep 2016 to 14 Dec, 2019	College of Materials Science and Engineering, Beijing University of Chemical Technology
Lecturer (BPS-18)	20 May 2009 to 30 August 2016	Dawood University of Engineering and Technology, Karachi
Visiting Teacher	16 March 2009 to 19 May 2009	Dawood College of Engineering and Technology, Karachi

PUBLICATIONS (Impact Factor >180)

2023

- Muhammad Zahir Iqbal, Misbah Shaheen, Ahmed A Ifseisi, Mohd Zahid Ansari, Zubair Ahmed, [Sajid Hussain Siyal](#), "Transition Metal dichalcogenide with Interface Engineering for High performance hybrid supercapacitors" Manuscript ID: RA-ART 05-2023-003207-R1 **RSC Advances** (2023)
- Muhammad Azam Usto, Zulfiqar Solangi, Abdul Kareem Shah, Khan Muhammad Qureshi, Syed Hasseb Sultan, Abdul Sattar Jatoy, Ayaz Ali Shah, Shahrukh Memon, [Sajid Hussain Siyal](#) "Characterization and value-added addition of biomass for the reduction of emissions using coal as co-feed" **Biomass Conversion and Biorefinery** (2023)

2022

3. Qasim Abbas, , Abdul Mateen, [Sajid Hussain Siyal](#) "In-situ construction of binder-free MnO₂/MnSe heterostructure membrane for high-performance energy storage in pseudocapacitors" **Chemosphere** 2022, (IF: 7.086)
4. Muhammad Atif Makhdoom, Furqan Ahmed, Iftikhar Ahmed Channa, Aqil Inam, Fahad Riaz, [Sajid Hussain Siyal](#) "Effect of Multiple Thermal Cycles on Microstructure and Mechanical Properties of AISI 1045 Weldments" **ACS Omega** 2022, (IF: 4.132)
5. Qasim Abbas, [Sajid Hussain Siyal](#), Abdul Mateen "Synthesis and fabrication of titanium oxide nanoplates/polyvinylidene fluoride membrane for energy storage applications" **Coatings** 2022, (IF: 3.26)
6. Salma I karna, A. Ali, N.Amin, Iqra Tabassam, Mongi Amami K. Javaid M.Yasir Ali K.Mahmood, Aqrabul Ahmad, [Sajid Hussain Siyal](#) "Effect of Al concentration on the structural and thermoelectric properties of ZnAlS alloy" **Inorganic Chemistry Communications** 144, 2022, 109908 (IF: 3.428)
7. Qasim Abbas; [Sajid Hussain Siyal](#); Abdul Mateen, Majed A. Bajaber; Awais Ahmad; Muhammad Sufyan Javed; "Flower-like highly-open structured binder-free Zn-Co-oxide nanosheet for high-performance supercapacitor's electrodes" (**molecules-1797536**), 27 July 2022. (IF: 4.9)
8. Qasim Abbas, [Sajid Hussain Siyal](#), Abdul Mateen, Najam Ul Hassan, "Hydrothermal synthesis of binder-free metallic NiCo₂O₄ nano-needles supported on carbon cloth as an advanced electrode for supercapacitor applications" **Materials**-177412, 2022 (IF: 3.62)
9. Zubair Ahmed Leghari, [Sajid Hussain Siyal](#) "Synthesis and Characterization of Stretchable Ionic Cable." **Mehran University Research Journal of Engineering and Technology** 41,1 (2022): 121-128.
10. Khan, Shaukat, Ul Islam, Mazhar, Ahmad, Mohammed Wasi, Shariq Khan, Muhammad, Imran, Muhammad, [Sajid Hussain Siyal](#); Javed, Muhammad Sufyan "Synthetic methodologies and energy storage/conversion applications of porous carbon nanosheets: a systematic review" 2022 **ACS Energy & Fuels** 36, 7(2022), 3420–3442. (IF: 3.605)
11. Aqeel Ahmed Shah, Muhammad Azam Usto, Toufique Ahmed, Abul Sattar Jatoi, Zubair Hashmi, Zubair Ahmed Chandio, Siraj Ahmed Bughio, Arshad Iqbal, [Sajid Hussain Siyal](#) "Facile application of used engine oil in high sulfur coal briquetting to reduce the hazardous emission gases" **International Journal of Coal Preparation and Utilization** 2022, (IF: 2.791)

2021

12. Muhammad Sufyan Javed, Iftikhar Hussain, Saima Batool, [Sajid Hussain Siyal](#) "Energy storage properties of hydrothermally processed ultrathin 2D binder-free ZnCo₂O₄ nanosheets" Accepted **Nanotechnology** 32, 38 (2021): 385402 (IF: 3.551)
13. Hu Shunyou, Yi Mingjie, [Sajid Hussain Siyal](#), Wu Dong "Metal-Organic Framework Derived NiS₂ Hollow Spheres as Multifunctional Reactors for Synergistic Regulation of Polysulfides Confinement and Redox Conversion" Accepted on 10 June, 2021, **Journal of Materials Chemistry A** (IF:11.301)
14. Syed Ali Afzal, Fayaz Hussain, [Sajid Hussain Siyal](#), Muhammad Sufyan Javed "Weight Loss during Calcination and Sintering Process of Na_{0.5}Bi_{0.5}TiO₃-Bi_{1/2}(Mg_{2/3}Nb_{1/3})O₃ Composite Lead-Free Piezoelectric Ceramics, **Coatings** 2021, 11(6), 676 (IF: 2.43)
15. Muhammad Sufyan Javed, Muhammad Imran, Mohammad A.Assiri, Iftikhar Hussain, Shahid Hussain, [Sajid Hussain Siyal](#), Muhammad Saleem, Syed Shoaib Ahmad Shah "One-step synthesis of carbon incorporated 3D MnO₂ nanorods as a highly efficient electrode material for pseudocapacitors" **Materials Letters**, Available online 8 April 2021, 129838 (IF: 3.019)
16. Muhammad Sufyan Javed, Tayyaba Najam, Iftikhar Hussain, Syed Shoaib Ahmad Shah, Shumaila Ibraheem, Azhar Mahmood, Muhammad Imran, Mohammed A Assiri, [Sajid Hussain Siyal](#) "Novel 2D vanadium oxysulfide nano-spindles decorated carbon textile composite as an advanced electrode for high-performance pseudocapacitors" **Materials Letters** 303 (2021): 130478 (IF: 3.019)
17. [Sajid Hussain Siyal](#), Subhan Ali Jogi, Salman Muhammadi "Mechanical Characteristics and Adhesion of Glass-Kevlar Hybrid Composites by Applying Different Ratios of Epoxy in Lamination" **Coatings**, 11, 94 (2021). (IF: 2.43)

18. Qasim Abbas, Muhammad Sufyan Javed, Awais Ahmad, [Sajid Hussain Siyal](#), Idress Asim, Rafeal Luque, Munirah D Albaqami, Ammar Mohamed Tighezza "Zno nano-flowers assembled on carbon fiber textile for high-performance supercapacitor's electrode" *Coatings* 11, 11 (2021): 1337. (IF: 2.43)
19. [Sajid Hussain Siyal](#), Muhammad Sufyan Javed, Awais Ahmad, Muhammad Sajjad, Saima Batool, Abdul Jabbar Khan, Shakeel Akram, Asma A. Alothman, Razan A. Alshgari, and Tayyaba Najam. "Free-standing 3D Co₃O₄@ NF micro-flowers composed of porous ultra-long nanowires as an advanced cathode material for supercapacitor." *Current Applied Physics* 31 (2021): 221-227.
20. Nadir Hussain , Mujahid Mehdi, Muhammad Yousif, [Sajid Hussain Siyal](#) "Conductive and antibacterial cellulose nanofibers decorated with copper nanoparticles for potential application in wearable devices" *Journal of Applied Polymer Science*, 2021, 46, 138. (IF: 3.057)
21. [Sajid Hussain Siyal](#) "Significant Reduction in Interface Resistance and Super-Enhanced Performance of Lithium-Metal Battery by In Situ Construction of Poly (vinylidene fluoride)-Based Solid-State Membrane with Dual Ceramic Fillers." *ACS Applied Energy Materials* (2021): 8604-8614 (IF: 6.024)
22. NasirAmin, K.Mahmood, A.Ali, SalmaI kram, A.Ashfaq, U.Rehman, [Sajid Hussain Siyal](#) "Temperature dependent current-voltage characteristics of Ag/Zn₂GeO₄/Si diode grown by thermal evaporation method" *Materials Today: Proceedings*, Volume 47, Supplement, 2021, Pages S99-S101.
23. A. Ali,Jolly Jacob, [Sajid Hussain Siyal](#) "Correlation of thermoelectric properties of CZTS thin films grown by chemical solution method with Sulfur concentration", *Journal of Physics and Chemistry of Solids*, 148, (2021), 109677 (IF: 3.442)
24. Chandio, Ali Dad, Iftikhar Ahmed Channa, Muhammad Rizwan, Shakeel Akram, Muhammad Sufyan Javed, [Sajid Hussain Siyal](#), Muhammad Saleem et al. "Polyvinyl Alcohol and Nano-Clay Based Solution Processed Packaging Coatings" *Coatings* (2021): 942. (IF: 2.43)
25. Jatoi, Abdul Sattar, Zubair Hashmi, Amna Anjum, Zulfiqar Ali Bhatti, [Sajid Hussain Siyal](#), Shaukat Mazari, Faheem Akhter, N. M. Mubarak, and Arshad Iqbal. "Overview of bioelectrochemical approaches for sulfur reduction: current and future perspectives." *Biomass Conversion and Biorefinery* (2021): 1-16.
26. Javed, Muhammad Sufyan, Abdul Jabbar Khan, Awais Ahmad, [Sajid Hussain Siyal](#), Shakeel Akram, Guowei Zhao, Aboud Ahmed Awadh Bahajjaj, Mohamed Ouladsmane, and Majda Alfakeer. "Design and fabrication of bimetallic oxide nanonest-like structure/carbon cloth composite electrode for supercapacitors." *Ceramics International* 47, 21 (2021): 30747-30755. (IF: 3.45)
27. Muhammad Sufyan Javed, Tayyaba Najam, Muhammad Sajjad, Syed Shoaib Ahmad Shah, Iftikhar Hussain, Muhammad Idrees, Muhammad Imran, Mohammed A. Assiri, [Sajid Hussain Siyal](#) "Design and Fabrication of Highly Porous 2D Bimetallic Sulfide ZnS/FeS Composite Nanosheets as an Advanced Negative Electrode Material for Supercapacitors" *ACS Energy & Fuels* 35 (2021), 15185-15191. (IF: 3.605)

2020

28. [Sajid Hussain Siyal](#), Muhammad Sufyan Javed "In-situ curing technology for dual ceramic composed by Organic-Inorganic functional polymer gel electrolyte for dendritic-free and robust lithium metal batteries" *Advanced Materials Interfaces*. (2020) 2000830. (IF: 6.147)
29. Muhammad Altaf Nazir, Abdullah Yasar, Muhammad Aswad Bashir, [Sajid Hussain Siyal](#) "Quality assessment of the noncarbonated-bottled drinking water: comparison of their treatment techniques" *International Journal of Environmental Analytical Chemistry*, 2020, (IF: 1.431)
30. Fei Li, Wenwei Zhan, Yaotian Su, [Sajid Hussain Siyal](#), Gang Bai "Achieving excellent electromagnetic wave absorption of ZnFe₂O₄@CNT/polyvinylidene fluoride flexible composite membranes by adjusting processing conditions." *Composites Part A: Applied Science and Manufacturing* 133(2020), 105866. (IF: 6.282)

31. Pan Kuming, Feibong Wang, Shizhong Wei, [Sajid Hussain Siyal](#), "Low- Temperature solution synthesis and characterization of enhanced titanium dioxide photocatalyst on tailored mesoporous γ -Al₂O₃ Support:" **Composites Communications**, 19, (2020) 82-89. (IF: 4.915)
32. Abdul Jabbar Khan, Asad Khan, Muhammad Sufyan Javed, Muhammad Arshad, Sumreen Asim Muhammad Khalid, [Sajid Hussain Siyal](#), Shahid Hussain, "Surface assembly of Fe₃O₄ nanodiscs embedded in reduced graphene oxide as a high-performance negative electrode for supercapacitors" **Ceramics International**, 46(2020), 19499-19505, (IF: 3.45)
33. Muhammad Sufyan Javed, Abdul Jabbar Khan, Sumreen Asim, Syed Shoaib Ahmad Shah Tayyaba Najam, [Sajid Hussain Siyal](#) "Insights to pseudocapacitive charge storage of binary metal-oxide nanobelts decorated activated carbon cloth for highly-flexible hybrid-supercapacitors" **The Journal of Energy Storage**, 31(2020), 101602, (IF: 3.517)
34. Muhammad Sufyan Javed, Syed Shoaib Ahmad Shah, Tayyaba Najam, [Sajid Hussain Siyal](#) "Achieving high-energy density and superior cyclic stability in flexible and lightweight pseudocapacitor through synergic effects of binder-free Co-Ga 2D- Hexagonal nanoplates" **Nano Energy**, (2020), 105276, (IF: 16.602)
35. Z. Wang, H. Yin, Y. Tang, [Sajid Hussain Siyal](#), H. Yuan "Electrochemical and photo response behavior of in situ Fe doped Ti₃SiC₂ after anodization" **International Journal of Hydrogen Energy**, 45 (2020),24066-24075. (IF: 4.084)

2019

36. [Sajid Hussain Siyal](#), Li M, Li H. "Ultraviolet irradiated PEO/LATP composite gel polymer electrolytes for lithium-metallic batteries (LMBs)". **Applied Surface Science** 494 (2019), 1119-1126 (IF: 6.182)
37. M. Zhu, J. Wu, Y. Wang, M. Song, L. Long, [Sajid Hussain Siyal](#), X. Yang, G. Sui, "Recent advances in gel polymer electrolyte for high-performance lithium batteries". **Journal of Energy Chemistry** 37 (2019) 126–142. (IF: 5.512)
38. W. Zhana, L.Gao, X. Fu, [Sajid Hussain Siyal](#), G. Sui, X. Yang" Green synthesis of amino-functionalized carbon nanotube-graphene hybrid aerogels for high performance heavy metal ions removal".**Applied Surface Science** 467–468 (2019) 1122–1133. (IF: 6.182)
39. C. Yang, J-L Lan, C. Ding, F. Wang, [Sajid Hussain Siyal](#), Y.Yu, X. Yang "Three-dimensional hierarchical ternary aerogels of ultrafine TiO₂ nanoparticles@porous carbon nanofibers-reduced graphene oxide for high-performance lithium-ion capacitors".**Electrochimica Acta** 296 (2019) 790-798. (IF: 5.478)
40. Z. Li, Y. Chen, S. Wei, F. Xiao, [Sajid Hussain Siyal](#), L. Xu "Flow behavior and processing map for hot deformation of W-1.5ZrO₂ alloy" **Journal of Alloys and Compounds** 802 (2019) 118-128 (IF: 4.175)
41. Ali A, Krishn Pothu R, [Sajid Hussain Siyal](#), M, Thebo K.H, "Graphene-based membranes for CO₂ separation". **Materials Science for Energy Technologies** 2 (2019) 83-88.
42. [Sajid Hussain Siyal](#), Zaidi A A, Samiuddin M "Effect of vacuum heat treatment process on toughness and wear of H13 tool steel material". **European Journal of Advances in Engineering and Technology**, 6 (2019), 42-49.
43. Pan K, Shan K, Wei S, [Sajid Hussain Siyal](#), "Enhanced photocatalytic performance of WO_{3-x} with oxygen vacancies via heterostructuring".**Composites Communications** 16 (2019) 106-110.(IF: 4.915)

2018

44. H. Li, M. Li, [Sajid Hussain Siyal](#), M. Zhu, J-L Lan, Gang Sui, Y. Yu, W. Zhong, X. Yang "A sandwich structure polymer/polymer-ceramics/polymer gel electrolytes for the safe, stable cycling of lithium metal batteries". **Journal of Membrane Science**, 555 (2018) 169–176. (IF: 7.015)
45. J. Zhuang, X. Xing, D. Wang, Z. Du, [Sajid Hussain Siyal](#) "Toxicity assessment of the extractables from multi-layer coextrusion poly ethylene bags exposed to ph=5 solution containing 4% benzyl alcohol and 0.1 m sodium acetate". **Regulatory Toxicology and Pharmacology**, 94 (2018) 47-56. (IF: 2.652)

PUBLICATIONS UNDER PROCESS

1. Sustainable supercapacitor based titanium di-oxide nano-plates/polyvinylidene fluoride membrane: From synthesis to application (Manuscript ID: sustainability-2076436)
2. Advanced spherically Arranged Layered on Layered Nanoarchitectures of Transition Metal Dichalcogenides for supercapacitor applications. (Manuscript No. CEJ-D-20-10791) Submitted at **Chemical Engineering Journal**

INVITED/KEYNOTE SPEAKER FOR INTERNATIONAL CONFERENCES/WORKSHOPS

- 2nd Sino-Foreign Postgraduate Exchange Forum, 21st September 2018, **Beijing, China.**
- 3rd Chinese-Foreign Postgraduate Exchange Forum, 21 October 2019, Beijing University of Chemical Technology, Beijing, China
- Third International Conference on Energy Storage Materials (ICEnSM 2019) **29 November, 2019 to 1st December, 2019** Shenzhen, China (**Speaker**).
- 4th International Conference on Materials Science & Nanotechnology" March 3-5, 2020, GC University Faisalabad, Pakistan. (**Invited Speaker**)
- 1st International Workshop on Biomaterials & Tissue Engineering" **Institute of Space Technology, Islamabad, 26-27 May, 2021 (Speaker)**
- 1st International Conference on Advances in Materials Science and Environmental Engineering 2021 (ICAMSEE-2021) **25-26 June, 2021** NED University, Karachi (**Invited Speaker**)
- 17th International Symposium on Advanced Materials (ISAM-2021) **18-22 October, 2021** National Centre for Physics, Islamabad (**Keynote Speaker**)
- Workshop on Ashby Approach of Materials Selection and Taguchi design of experiment approach **27-28 Oct-21**, Institute of Space Technology, Islamabad (**Invited Speaker**)
- Second International Workshop/Conference on Biomaterial Tissue Engineering & Regenerative Medicine", Islamabad **15-17 March 2022 (Invited Speaker)**
- International Conference on Chemical Sciences A Multidisciplinary Approach", **29- 31 March, 2022** Khairpur , Sindh (**Invited Speaker**)
- 1st International Conference on Emerging Trends in Physics" **23-24 May, 2022** at The Islamia University of Bhawalpur (**Speaker**)
- International Conference on Minerals & Ore Processing in Pakistan **15-17 March, 2023** Pak - Austria Fachhochschule, Haripur, Pakistan (**Invited Speaker**) Online
- "International Conference on Sustainable Development in Nanotechnology (ICSDN)" **20-21 March, 2023** at Jamshoro, Pakistan (**Invited Speaker**)
- 3 Days Workshop on Material Characterization **13 - 15 June, 2023**, Pakistan Industrial & Technology Park, Pakistan Machine Tool Factory, Karachi (**Invited Speaker**)
- International Symposium on Graphene Advanced Nanomaterials & Defects Engineering (GANDE-2023) **21-23 July, 2023 (Invited Speaker)** Online
- 18th International Symposium on Advanced Materials (ISAM-2023) **02- 06 October, 2023** National Centre for Physics, Islamabad (**Invited Speaker**)

National Conferences as Host (23-24 Dec, 2020) VIRTUAL

1ST National Multidisciplinary Symposium on Advanced Technologies & Allied Fields (NMSATAF-2020)

TRAININGS ORGANIZED/CONDUCTED

- **24 DAYS Professional Competency Enhancement Program For Teachers (PCEPT) NAHE-HEC @ DUET KARACHI as Course Coordinator.** 19-03-2012 to 19-04-2012 **0.5 M HEC Funded Project**
- **8 DAYS Cascading on Faculty Professional Development Program at Dawood University of Engineering and Technology Karachi.** 15-08-2011 to 23-08-2011

- One Day Seminar On **“Importance Of Metallurgy & Materials Engineering In Recent Trends”**. 24-05-2011
- One Days Industrial Exhibition, Seminar and Poster Competition **“Aspects of Metallurgy and Materials in Contemporart Industries”** 30 September, 2021
- One day Seminar **Metals and Materials in the 21st Century: A Revolution in Engineering”** Department of Metallurgy and Materials, Dawood University of Engineering & Technology, Karachi on 31 Jan, 2024

HONORS & AWARDS

- Awarded PhD. Scholarship by the Chinese Scholarship Council from **Sep 2016- Dec 2019**

Participated in National/International Trainings/workshops

- Heavy Mechaincal Complex (Pvt) Limited **Taxila, Pakistan**. 05-06-2006 to 01-07-2006
- Heavy Industries **Taxila, Pakistan**. 11-06-2007 to 07-07-2007
- Nano-Science and Catalysis at Quaid-i-Azam University Islamabad **24-25, March 2008**
- Pakistan Steel Mills **Karachi, Pakistan**. 16-05-2008 to 11-07-2008
- **Workshop on “Teaching Methodology and Learning Skills” Higher Education Commission Regional Center, Karachi, Pakistan 19- 20 July 2010**
- **One week skill development Training at Bolan Castings Limited, Balochistan, Pakistan 14-18 Dec, 2009**
- **Two Months “Master Trainers-Faculty Professional Development Program” (15th MT-FPDP) LID-Higher Education Commision Islamabad, Pakistan. 25 January to 19 March 2011**
- **One Month Master Trainers Faculty Professional Development Program (MT-FPDP) Ensuring Training Effectiveness (ETE), Bangkok, Thailand 26 November to 14 December 2012**
- International Symposium on Technology Entreprenureship and Incubation, **Islamabad, Pakistan** 19-20 August , 2016
- World Academy of Science, Engineering and Technology **Kuala Lumpur, Malaysia**. 12-13 Feb , 2017
- 1st Sino-Foreign Post graduates Exchange Forum **October 2017**, Beijing University of Chemical Technology, China
- 1st International Conference on Membrane Science and Technology **ICM 2020, Pakistan**
- The International Conference on Advances and Innovations in Engineering (ICAIE), Faculty of Engineering, **Elazing Turkey 21-23 September , 2023**
-

MEMBER in COMMITTEES

- ✓ **Member Senate**, Dawood University of Engineering & Technology, Karachi, Sindh, Pakistan (Nov, 2020 to date)
- ✓ **Member Academic Council**, Dawood University of Engineering & Technology, Karachi, Sindh, Pakistan (Nov 2020 to date)
- ✓ **Member Board of Faculty**, Dawood University of Engineering & Technology, Karachi, Sindh, Pakistan (Nov 2020 to date)
- ✓ **Member Admission Committee**, Dawood University of Engineering & Technology, Karachi, Sindh, Pakistan (June 2014 to 2015)
- ✓ **Charter Inspection and Evaluation Committee (CIEC) Sindh HEC**, Govt. of Sindh visited as Expert member at NED University of Engineeirng and Technology, Karachi **7 Feb, 2022**.
- ✓ **Member Board of Studies**, Materials and Metallugical Engineering, NED University of Engineering & Technology, Karachi, Sindh, Pakistan (June 2022 to date)
- ✓ **External Expert Member for Assessment Teams (AT)** for both M. Engg. and Ph.D, NED University of Engineering & Technology

- ✓ Program Review for **MS/M.Phil. and Ph.D.** at UET Lahore **13-15 Dec, 2022**
- ✓ **External Examiner** H.E.J Research Institute of Chemistry, University of Karachi **17 Dec, 2022**
- ✓ **“Registered Engineer”** of Paksitan Engineering Council (PEC) since **May, 2009Metal/02161**
- ✓ **“Professional Engineer”** of Paksitan Engineering Council (PEC) from **February 01, 2023**
- ✓ **Subject Expert** in a Selection Board of Mehran University of Engineering and Technology Jamshoro on **March 06, 2023**
- ✓ **Member** Taskforce on fostering multidisciplinary research activities for mineral exploration and investment opportunities in Mining sector, Government of Sindh from **Septmeber 14, 2023**
- ✓ **Member**, Curriculum Review & Development Committee (ECRDC) for Materials, Metallurgical Engineering, Paksitan Engineering Council (PEC) **November 24, 2023**

REFERENCES

<p>Dr. Irshad Hussain Professor Department of Chemistry & Chemical Engineering, SBA School of Science & Engineering, Lahore University of Management Sciences, Lahore, Pakistan Email: ihussain@lums.edu.pk Phone: + 92 301 6042336</p>	<p>Dr. Muhammad Kashif Khan Associate Professor, School of Mechanical, Aerospace and Automotive Engineering, Coventry University UK Email: ac1291@coventry.ac.uk Phone: + 44 7778954967</p>
<p>Dr. Muhmmad Zahir Iqbal Associate Professor, Nanotechnology Research Laboratory (Nanotech. Lab) at the Faculty of Engineering Sciences, GIK Institute of Engineering Sciences & Technology, Pakistan zahir.upc@gmail.com, zahir@giki.edu.pk Phone: +92 348 5968405</p>	<p>Dr. Yunhua Yu Professor, College of Materials Science and Engineering, Beijing University of Chemical Technology, China Email: yuyh@mail.buct.edu.cn Phone: + 86 13801189169</p>

IMPORTANT LINKS

1. <https://scholar.google.com/citations?user=8nI4dYUAAAAJ&hl=en>
2. <https://www.researchgate.net/profile/Sajid-Siyal>
3. <http://mme.duet.edu.pk/>
4. <https://orcid.org/0000-0002-9041-0649>