

CURRICULUM VITAE

PERSONAL DATA

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| Name | NADEEM RAZA GHULAM MOSTAFA |
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| Position | ASSOCIATE PROFESSOR |
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EDUCATION

| Year | Academic Degree | Institution |
|------|-----------------|---|
| 2015 | PhD | Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan |
| 2003 | M. Phil | Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan |
| 2000 | M.Sc | Institute of Chemical Sciences, Bahauddin Zakariya University, Multan, Pakistan |
| 1998 | B.Sc | Bahauddin Zakariya University, Multan, Pakistan |

WORK EXPERIENCE

| Period | Position | Address |
|---------------------------|---------------------|---|
| May 2022 | Professor | Ministry of Higher Education Department, Government of the Punjab, Pakistan |
| Feb 2016- may 2022 | Associate Professor | Ministry of Higher Education Department, Government of the Punjab, Pakistan |
| April 2011- February 2016 | Assostant Professor | Ministry of Higher Education Department, Government of the Punjab, Pakistan |
| April 2005- April 2011 | Lecturer | Ministry of Higher Education Department, Government of the Punjab, Pakistan |

RESEARCH INTERESTS

Carbon sequestration and storage, Leaching kinetics, Synthesis and characterization of nanomaterials for environmental applications, Water splitting via photocatalysis, Adsorption Kinetics.

PUBLICATIONS

| Sr. No. | 2023 | I.F. |
|---------|--|------|
| 1 | Khan, M.A., Raza, N. , Manzoor, S., Shuja, R., Raza, H., Khan, M.I., Azam, M., Shanableh, A., 2023. <u>Experimental design by response surface methodology for efficient cefixime uptake from hospital effluents using anion exchange membrane.</u> <i>Chemosphere</i> , 311. | 8.95 |
| 2 | Qin, W., Yang, Q., Ye, H., Xie, Y., Shen, Z., Guo, Y., Deng, Y., Ling, Y., Yu, J., Luo, G. and Raza, N., 2023. Novel 2D/2D BiOBr/Zn(OH) ₂ photocatalysts for efficient photoreduction CO ₂ . <i>Separation and Purification Technology</i> , 306, p.122721. | 9.14 |
| | 2022 | |
| 1 | Sohail, Y., Raza, N. , Shakeel, H., Manzoor, S., Yasmin, G., Iqbal, A., Manzoor, S., Albaqami, M.D. and Wabaidur, S.M., 2022. Polyaniline-coated nanoparticles of zinc oxide and copper oxide as antifungal agents against <i>Aspergillus parasiticus</i> . <i>Frontiers in Plant Science</i> , 13. | 6.62 |
| 2 | Hayat, M., Raza, N. , Jamal, U., Manzoor, S., Abbas, N., Khan, M.I., Lee, J., Brown, R.J.C., Kim, K.H., 2022. <u>Targeted extraction of pesticide from agricultural run-off using novel molecularly imprinted polymeric pendants.</u> <i>Journal of Industrial and Engineering Chemistry</i> , 109, pp. 202-209. | 5.28 |
| 3 | Hayat, M., Manzoor, S., Raza, N. , Abbas, A., Khan, M.I., Elboughdiri, N., Naseem, K., Shanableh, A., Elbadry, A.M.M., Arni, S.A., Benaissa, M., Ibrahim, F.A., 2022. <u>Molecularly Imprinted Polymeric Sorbent for Targeted Dispersive Solid-Phase Microextraction of Fipronil from Milk Samples.</u> <i>ACS Omega</i> . | 4.13 |
| | 2021 | |
| 1 | Abbas, N., Rubab, N., Kim, K.H., Chaudhry, R., Manzoor, S., Raza, N. , Tariq, M., Lee, J. and Manzoor, S., 2021. <u>The photocatalytic performance and structural characteristics of nickel cobalt ferrite nanocomposites after doping with bismuth.</u> <i>Journal of Colloid and Interface Science</i> , 594, pp.902-913. | 7.5 |
| | Manzoor, S., Yasmin, G., Raza, N. , Fernandez, J., Atiq, R., Chohan, S., Iqbal, A., Manzoor, S., Malik, B., Winter, F., Azam, M., <u>Synthesis of Polyaniline Coated Magnesium and Cobalt Oxide Nanoparticles through Eco-Friendly Approach and Their Application as Antifungal Agents.</u> <i>Polymers</i> , 13(16), pp. 2669 | 4.96 |
| 2 | Azam, M., Ashraf, A., Jahromy, S.S., Miran, S., Raza, N. , Wesenauer, F., Jordan, C., Harasek, M., Winter, F., <u>Co-Combustion Studies of Low-Rank Coal and Refuse-Derived Fuel: Performance and Reaction Kinetics.</u> <i>Energies</i> , 14(13), pp. 3796 | 3.25 |
| 3 | Sattanathan, G., Tamizhazhagan, V., Raza, N. , Shah, S.Q.A., Hussain, M.Z. and Kim, K.H., 2021. <u>Effects of Green Alga, <i>Chaetomorpha aerea</i> Extract on Non-Specific Immune Responses and Disease Resistance against <i>Edwardsiella tarda</i> Infection in <i>Labeo rohita</i>.</u> <i>Applied Sciences</i> , 11(10), p.4325. | 2.5 |
| 4 | Raza, W., Nabi, G., Shahzad, A., Malik, N. and Raza, N. , 2021. <u>Electrochemical performance of lanthanum cerium ferrite nanoparticles for supercapacitor</u> | 2.2 |

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| | <i>applications. Journal of Materials Science: Materials in Electronics, 32(6), pp.7443-7454.</i> | |
| | 2020 | |
| 1 | Nadeem Raza, Tanuj Kumar, Vinamrita Singh, Ki-Hyun Kim, Recent advances in bimetallic metal-organic framework as a potential candidate for supercapacitor electrode material, Coordination Chemistry Reviews, 2020, 213660 | 15.3 |
| 2 | Riya Gupta, Nadeem Raza , Sanjeev K. Bhardwaj, Kumar Vikrant, Ki-Hyun Kim, Neha Bhardwaj, <i>Advances in nanomaterial-based electrochemical biosensors for the detection of microbial toxins, pathogenic bacteria in food matrices, Journal of Hazardous Materials, 2020, 123379</i> | 9.1 |
| 3 | Mudassar Azam, SamanSetoodeh Jahromy, Waseem Raza, Nadeem Raza , Song Soo Lee, Ki-Hyun Kim, Franz Winter, <i>Status, characterization, and potential utilization of municipal solid waste as renewable energy source: Lahore case study in Pakistan, Environment International 134 (2020) 105291</i> | 7.6 |
| 4 | Kabir, E., Azzouz, A., Raza, N. , Bhardwaj, S.K., Kim, K.H., Tabatabaei, M. and Kukkar, D., 2020. Recent advances in monitoring, sampling, and sensing techniques for bioaerosols in the atmosphere. <i>ACS sensors</i> . | 7.3 |
| 5 | Nadeem Raza , Waseem Raza, Hajera Gul, Mudassar Azam, Jechan Lee, Kumar Vikrant, Ki-Hyun Kim, <i>Solar-light-active silver phosphate/titanium dioxide/silica heterostructures for photocatalytic removal of organic dye, Journal of Cleaner Production, 254 (2020), 120031</i> | 7.3 |
| 6 | Nadeem Raza , Waseem Raza, Hajera Gul, Ki-Hyun Kim, <i>ZnO-ZnTe hierarchical superstructures as solar-light-activated photocatalysts for azo dye removal, Environmental Research, 2020, 110499</i> | 5.72 |
| 7 | Mudassar Azam, Asma Ashraf, Saman Setoodeh Jahromy, Waseem Raza, Hassan Khalid, Nadeem Raza , Franz Winter, <i>Isoconversional non-isothermal kinetic analysis of municipal solid waste, refuse-derived fuel, and coal, Energy Science & Engineering, 2020</i> | 3.2 |
| | 2019 | |
| 1 | Ehsanul Kabir, Nadeem Raza , Vanish Kumar, Jagpreet Singh, Yiu Fai Tsang, Dong Kwon Lim, Jan Edward Szulejko, Ki-Hyun Kim, <i>Recent advances in nanomaterial-based human breath analytical technology for clinical diagnosis and the way forward, CHEM, https://doi.org/10.1016/j.chempr.2019.08.004</i> | 19.74 |
| 2 | Waseem Raza, Deepak Kukkar, Hammad Saulat, Nadeem Raza , Mudassar Azam Andleeb Mehmood, Ki-Hyun Kim, <i>Metal-organic frameworks as an emerging tool for sensing various targets in aqueous and biological media, Trends in Analytical Chemistry, 120. https://doi.org/10.1016/j.trac.2019.115654</i> | 9.8 |
| 3 | Abdelmonaim Azzouz, K Yugender Goud, Nadeem Raza , Evaristo Ballesteros, Sung-Eun Lee, Jongki Hong, Akash Deep, Ki-Hyun Kim, <i>Nanomaterial-based electrochemical sensors for the detection of neurochemicals in Biological matrixes, Trends in Analytical Chemistry 110 (219) 15-34.</i> | 9.8 |
| 4 | Ki-Hyun Kim, Jan Edward Szulejko, Nadeem Raza , Vanish Kumar, Daniel C.W. Tsang, Nanthi S. Bolan, Yonk Sik Ok, Azmatullah Khan, <i>Identifying the best materials for the removal of airborne toluene based on performance metrics-A</i> | 7.3 |

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| | <i>critical review</i> , Journal of Cleaner Production 241, (20) 2019. https://doi.org/10.1016/j.jclepro.2019.118408 | |
| 5 | Henry Agbe, Nadeem Raza , David Dodoo-Arhin, R. Vasant Kumar, Ki-Hyun Kim, <i>A simple sensing of hazardous photo-induced superoxide anion radicals using a molecular probe in ZnO-Nanoparticles aqueous medium</i> , Environmental Research, (2019). | 5.72 |
| 6 | Andleeb Mehmood, Waseem Raza, Ki-Hyun Kim, Nadeem Raza , Sang Soo Lee, Ming Zhang, Jin- Hong Lee, Muhammad Sarfraz, <i>Spatial distribution of heavy metals in crops in a wastewater irrigated zone and health risk assessment</i> , Environmental Research, 168 (2019) 382-388 | 5.72 |
| 7 | Waseem Raza, Jechan Lee, Nadeem Raza , Yiwei Luo, Ki-Hyun Kim, Jianhua Yang, <i>Removal of phenolic compounds from industrial waste water based on membrane-based technologies</i> , Journal of Industrial and Engineering Chemistry, 71 (2019) 1-18 | 5.28 |
| 8 | Henry Agbe, Emmanuel Nyankson, Nadeem Raza , David Dodoo-Arhin, Aditya Chauhan, Gabriel Osei, Vasant Kumar, Ki-Hyun Kim, <i>Recent advances in photoinduced catalysis for water splitting and environmental applications</i> , Journal of Industrial and Engineering Chemistry, 72 (2019) 31-49 | 5.28 |
| 9 | Bansal, V., Hashemi, B., Raza, N. , Kim, K.H., Raza, W., Kumar, P. and Brown, R.J., 2019. <i>Review of the Analytical Methods for and Clinical Impact of Additives and Flavors Used in Electronic Cigarettes. Exposure and Health</i> , pp.1-23. | 4.76 |
| | 2018 | |
| 1 | Waseem Raza, Faizan Ali, Nadeem Raza , Yiwei Luo, Ki-Hyun Kim, Jianhua Yang, Sandeep Kumar, Andleeb Mehmood, Eilhann E. Kwon, <i>Recent advancements in supercapacitor technology</i> , Nano Energy 52 (2018) 441-473 | 16.6 |
| 2 | Nadeem Raza , Beshare Hashemi, Ki-Hyun Kim, Sang-Hun Lee, Akash Deep, <i>Aromatic hydrocarbons in air, water, and soil: Sampling and pretreatment techniques</i> , Trends in Analytical Chemistry 103 (2018) 56-73 | 9.8 |
| 3 | Nadeem Raza , Ki-Hyun Kim, <i>Quantification techniques for important environmental contaminants in milk and dairy products</i> , Trends in Analytical Chemistry 98 (2018) 79-94. | 9.8 |
| 4 | Nadeem Raza , Ki-Hyun Kim, Muhammad Abdullah, Waseem Raza, Richard J.C. Brown, <i>Recent developments in analytical quantitation approaches for parabens in human associated samples</i> , Trends in Analytical Chemistry 98 (2018) 161-173 | 9.8 |
| 5 | Pallabi Das, Shaswat Barua, Shuvasree Sarkar, Niranjana Karak, Pradip Bhattacharyya, Nadeem Raza , Ki-Hyun Kim, Satya Sundar Bhattacharya, <i>Plant extract-mediated green silver nanoparticles: Efficacy as soil conditioner and plant growth promoter</i> , Journal of Hazardous Materials 346 (2018) 62-72. | 9.1 |
| 6 | Kumar Vikrant, Daniel CW Tsang, Nadeem Raza , Balendu Shekargiri, Deepak Kukkar and Ki-Hyun Kim, <i>The potential utility of metal-organic framework (MOF)-based platform for sensing pesticides</i> , ACS Applied Materials and Interfaces 10 (10) (2018) 8797-8817 DOI: 10.1021/acsami.8b00664 | 8.76 |

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| 7 | Prabhat Kumar Rai, Vanish Kumar, Sang Soo Lee, Nadeem Raza , Ki-Hyun Kim, Yong Sik Ok, Daniel C.W. Tsang, <i>Nanoparticle-plant interaction: Implications in energy, environment, and agriculture</i> , Environment International 119 (2018) 1-19 | 7.94 |
| 8 | Kumar Vikrant, Balendu Shekhargiri, Nadeem Raza , Kangkan roy, Ki-Hyun Kim, Birendra Nath Rai, Ram Sharan Singh, <i>Recent advancement in bioremediation of dye: Current status and challenges</i> , Bioresource Technology 253 (2018) 355-367. | 7.54 |
| 9 | Waseem Raza, Nadeem Raza , Henry Agbe, R.V. Kumar, Ki-Hyun Kim, Jianhua Yang, <i>Multistep sequestration and storage of CO₂ to form valuable products using forsterite</i> , Energy, 155 (2018) 865-873 | 6.1 |
| 10 | P. Venkata Laxma Reddy, Ki-Hyun Kim, Beluri Kavitha, Vanish Kumar, Nadeem Raza , Sudhakar Kalagara, <i>Photocatalytic degradation of bisphenol A in aqueous media: A review</i> , Journal of Environmental Management 213 (2018) 189-205 | 5.65 |
| 11 | Nadeem Raza , Waseem Raza, Silvia Madeddu, Henry Agbe, R. V. Kumar, Ki-Hyun Kim, <i>Synthesis and characterization of amorphous precipitated silica from alkaline dissolution of olivine</i> , RSC Adv., 2018, 8, 32651 | 3.12 |
| 12 | Henry Agbe, Nadeem Raza , David Dodoo-Arhin, Aditya Chauhan, Ramachandran Kumar, <i>H₂O₂ rejuvenation-mediated synthesis of stable mixed-morphology Ag₃PO₄ photocatalysts</i> , Helion, 4 (2018) e00599. | |
| 2017 | | |
| 1 | Beshare Hashemi, Parvin Zohrabi, Nadeem Raza , Ki-Hyun Kim, <i>Metal-organic frameworks as advanced sorbents for the extraction and determination of pollutants from environmental, biological, and food media</i> , Trends in Analytical Chemistry 97 (2017) 65-82. | 9.8 |
| 2 | Nadeem Raza , Ki-Hyun Kim, Henry Agbe, Suresh Kumar Kailasa, Jan E. Szulejko, and Richard J. C. Brown, <i>Recent advances in titania-based composites for photocatalytic degradation of indoor volatile organic compounds</i> , Asian Journal of Atmospheric Environment (2017), 11 (4), 217-234. | |
| 3 | Muhammad Khalid, Muhammad Ali, Muhammad Aslam, Sajjad Hussain Sumrra, Muhammad Usman Khan, Nadeem Raza , Naresh Kumar and Muhammad Imran, <i>Frontier Molecular, Natural Bond Orbital, UV-Vis Spectral Study, Solvent Influence on Geometric Parameters, Vibrational Frequencies and Solvation Energies of 8-Hydroxy Quinolone</i> , IJPSR (2017), Vol. 8, Issue 2. | |
| 2016 | | |
| 1 | Muhammad Amir Nazir, Misbah-ul-Islam, Irshad Ali, Hassan Ali, Bashir Ahmed, Shahid M. Ramay, Nadeem Raza , Muhammad Fahad Ehsan, Muhammad Ashiq. <i>Structural, electrical and dielectric properties of multiferroics and spinel ferrite composites</i> , Journal of Electronic Materials, 2016, 45(2), 1065-1072. | 1.774 |
| 2 | Nadeem Raza , Waseem Raza, Zafar Iqbal Zafar, R.V. Kumar. <i>Beneficiation of Zinc from Electric Arc Furnace Dust using Hydrometallurgical approach</i> , Russian Journal of Applied Chemistry, 2016, Volume 89, Issue 5, pp 836–845, doi:10.1134/S1070427216050244 | 0.69 |

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| 3 | Raza, N., Raza, W., Asif, M., <i>Reaction Kinetics of Magnesite Ore in Dilute Ethanoic Acid, Russian Journal of Non-Ferrous Metals, 2016, Vol. 57, No. 4, pp. 308–315.</i> | 0.576 |
| 2015 | | |
| 1 | Raza, N., Zafar, Z.I., Najam-ul-Haq, R.V. Kumar. <i>Leaching of natural magnesite ore in succinic acid solutions, International Journal of Mineral Processing 2015, 139, 25-30.</i> | 2.71 |
| 2 | Nadeem Raza, Waseem Raza, Zafar Iqbal Zafar, R.V. Kumar. <i>Magnesite ore dissolution with organic acid and parametric cumulative effect of reaction parameters, Sci.Int. 2015, 27(3),1851-1856.</i> | |
| 3 | Nadeem Raza, Muhammad Khalid, Zafar Iqbal Zafar, Waseem Raza, Bakhat Ali <i>Utilization of citric acid as an alternative lixiviant for leaching of zinc sulfide, Int. J. Agric. Appl. Sci. 2015, 7 (1).</i> | |
| 2014 | | |
| 1 | Raza, N., Zafar, Z.I., Najam-ul-Haq, M., <i>Utilization of formic acid solutions in leaching reaction kinetics of natural magnesite ores, Hydrometallurgy 2014, 149, 183-188.</i> | 3.34 |
| 2 | Muhammad Najam-ul-Haq, Adeela Saeed, Fahmida Jabeen, Dilshad Hussain, Naseem Khan, Maryam Shabir, Nadeem Raza, Muhammad Naeem Ashiq, Muhammad Aslam Malana and Zafar Iqbal Zafar. <i>Development of new multifunctional terpolymer sorbent for proteomics applications, Biomedical Chromatography, 2015, 29(7):981-9. DOI 10.1002/bmc.3382.</i> | 1.73 |

Abstracts Published

1. Abstract published in Geometallurgy 2014, 9-10 June London UK, Title: Chemical conversion of olivine and serpentine minerals into precursors for carbonation valorization. R.Vasant Kumar, Nadeem Raza, Mike Priestnall.



المملكة العربية السعودية - جامعة الإمام محمد بن سعود الإسلامية - كلية العلوم

KINGDOM OF SAUDI ARABIA-Imam Mohammad Ibn Saud Islamic University-College of Science

