Dr. Habib Ullah

(PhD. Applied Science-Malaysia)

Personal Information			Contact Information		
Name	:	Habib Ullah	Permanent Address	:	House 514 street 9 sector F9 phase 6 Hayatabad Peshawar, Pakistan
Father Name	:	Noor Sultan			
Date of Birth	:	20 April 1986			
Nationality	:	Pakistan	Email(s)	:	habibullah_kust@yahoo.com
Passport No.	:	AZ6037673	Mobile	:	+923325415197

Professional Goal

Looking to secure a position in academia that will allow me to utilize my more than Nine years of teaching and thirteen years research experience. To display exceptional communication, teaching, interpersonal, and leadership abilities. To work in an organization with a broad and acute interest in the discovery of new innovative research. I particularly enjoy collaborating with scientists from different disciplines to develop new skills and solve new challenges.

Field of Interest

Extraction, extraction of bioactive compounds, Ionic Liquid synthesis, Green synthesis of nanomaterials, Photocatalysis for environmental remediation, Life Cycle Assessment

Expertise in analytical equipment

○ UV-Visible spectroscopy	○ X-ray diffraction
○ High resolution transmission electron microscopy	○ Field emission scanning electron microscopy
○ X-ray photoelectron spectroscopy	○ Photoluminescence spectroscopy
○ ICP-OES, HPLC and GCMS	○ Surface area and porosity analyzer
○ Nuclear Magnetic Resonance (NMR)	○ COSMO-RS

Professional Skills

- Report writing expertise (Project Reports/Surveys/publications/articles etc.)
- Ability to conduct professional trainings
- Conducting professional meetings/conferences
- Research and Development
- Research framework development

- Project management, budgeting, monitoring and evaluation

Academic Qualifications

Qualification	University/Institute	CGPA/Grade	Year
PhD (Applied Science)	Universiti Teknologi PETRONAS Malaysia	Category II	2019
M.Phil (Chemistry)	Kohat University of Science and Technology, Pakistan	3.37/4	2010
MSc (Chemistry)	Kohat University of Science and Technology, Pakistan	1389/2007	2007
BSc (Chemistry)	Gomal University Dera Ismail Khan, Pakistan	349/550	2005

Awards/Honors

S. No	Award	Year
1.	Universiti Teknologi PETRONAS Graduate Student Award in recognition of scholarship, research productivity and potential for high impact Journal	2018
2.	Recipient of five years of funding ($1000,000) from PETRONAS for researcher to Ionic liquid organization	2015
3.	Awarded grant funding from Yayasan Universiti Teknologi PETRONAS ($ 3000) for synthesis of nanomaterial and its application	2018
4.	Fundamental Research Grant Scheme (FRGS) ($4500) for synthesis of ionic liquids and their biological application.	2019

Working Experience

Designation/Duration	Organization/Placement	Responsibilities
Postdoctoral **Feb-2024-2025** **Research Assistant** Feb 2020 – Jan 2024	University Malaysia KELATAN Faculty of bio-engineering and Technology American university of middle east Kuwait	- Taught cources - Developed curriculam for the undergraudate and post-draduate programmes in Chemistry - Supervised and trained students in Ionic liquid synthesis, characterizaation and application - Produced internaltional high impact journal publications - Preapred various self assesment reports
Graduate Research Assistant July 2014 – Jan 2019 (04 Years, 05 months)	Center of Research in Ionic Liquids, Universiti Teknologi PETRONAS Malaysia	- Project budgeting - Maintenance of project records - Liaison with funding agencies - Preparation, editing, and publishing of research manuscripts, reports, and presentations
Internship Aug 2008 – Aug 2009 (01 Year)	Kohat university of Science and Technology, Kohat, Pakistan	- Coordination with various department of the University - Assiting Professors in day-to-day task and lecture preparation - Laison with student, corporate organization - Reporting the progress to Higher Education Commission of Pakaistan

Research Publications

	Journal Articles			
1.	Rab Nawaz, **Habib Ullah**, Abdulnoor Ali Jazem Ghanim, Muhammad Irfan Muzammil Anjum, Saifur Rahman, Shafi Ullah, Zaher Abdel Baki, Vipin Kumar Oad **(2023)**. Green synthesis of ZnO and black TiO_2 materials and their application for photodegradation of organic pollutants, ***ACS Omega***.	4.1	Q2	Scopus/WoS
2.	**Habib. Ullah**, M. Hefnawy, R. Nawaz, Z. A. Baki, M. M. Hanafiah, and M. Anjum, **(2025)** "Green synthesis of silver nanoparticles via ionic liquid mediated ultrasonic extracted secondary metabolites from Amaranthus viridus and their antibacterial performance," *Chemical Engineering Communications,* pp. 1-15.	2.97	Q3	Scopus/WoS
3.	Rab Nawaz*, Sajjad Haider, **Habib Ullah**, Muhammad Saeed Akhtar, Salahuddin Khan, Muhammad Junaid, Nasrullah Khan **(2022)** "Optimized remediation of treated agro-industrial effluent using visible light-responsive core-shell structured black TiO_2 photocatalyst". ***Journal of Environmental Chemical Engineering***, (10):106968.	7.4	Q1	Scopus/WoS
4.	Muhammad Irfan, Rab Nawaz*, Javed Akbar Khan**, Habib Ullah**, Tahir Haneef, Stanislaw Legutko, Saifur Rahman, Jerzy Józwik, Mabkhoot A Alsaiari, Mohammad Kamal Asif Khan, Salim Nasar Faraj Mursal, Fahad Salem AlKahtani, Abdulnour Ali Jazem Ghanim **(2021).** Synthesis and characterization of manganese-modified black TiO_2 nanoparticles and their performance evaluation for the photodegradation of phenolic compounds. ***Materials***, 14:7422.	3.7	Q2	Scopus/WoS
5.	Saifur Rahman, Rab Nawaz*****, Javed Akbar Khan*, **Habib Ullah**, Muhammad Irfan, Adam Glowacz, Katarzyna Lyp-Wronska, Lukasz Wzorek, Mohammad Kamal Asif Khan, Mohammed Jalalah, Mabkhoot A Alsaiari and Abdulkarem Almawgani **(2021)**. Synthesis and characterization of carbon and carbon-nitrogen doped black TiO_2 nanomaterials and their application in sonophotocatalytic remediation of treated agro-industrial wastewater. ***Materials***, 14: 6175.	3.7	Q2	Scopus/WoS
6.	Mohammad Kamal Asif Khan, Javed Akbar Khan, **Habib Ullah**, Hussain H. Al-Kayiem, Sonny Irawan, Muhammad Irfan, Adam Glowacz, Hui Liu, Witold Glowacz, Saifur Rahman **(2021)**. De-Emulsification and Gravity Separation of Micro-Emulsion Produced with Enhanced Oil Recovery Chemicals Flooding, ***Energies***, 14(8), 2249.	3.2	Q2	Scopus/WoS
7.	**Habib Ullah**, Cecilia Divi Wilfred, Maizatul Shima Shaharun, **(2019)**. Ionic liquid-based extraction and separation trends of bioactive compounds from plant biomass. ***Separation Science and Technology***, 54, 559-579.	2.8	Q2	
8.	**Habib Ullah**, Cecilia Divi Wilfred, Maizatul Shima Shaharun, **(2018)**. Synthesis of nickel nanoparticle using ionic liquid-based extract from Polygonum minus and their applications. ***Desalination and Water Treatment***, 125, 32-39, 2018.	1.2	Q2	Scopus/WoS
9.	**Habib Ullah**, Cecilia Divi Wilfred, Maizatul Shima Shaharun, **(2018)**. Green synthesis of copper nanoparticle using ionic liquid-based extraction from Polygonum minus and their applications. ***Environmental Technology***, 1-8.	2.8	Q2	Scopus/WoS
10.	**Habib Ullah**, Cecilia Divi Wilfred, Maizatul Shima Shaharun, (2017). Synthesis	1.8	Q3	Scopus/WoS

	of Silver Nanoparticles Using Ionic-Liquid-Based Microwave-Assisted Extraction from Polygonum minus and Photodegradation of Methylene Blue. ***Journal of the Chinese Chemical Society***, 64, 1164-1171.			
11.	**Ullah Habib,** Cecilia Divi Wilfred, Maizatul Shima Shaharun, **(2017)**. Ionic liquid based ultrasonication-assisted extraction of essential oil from the leaves of Persicaria minor and conductor-like screening model for realistic solvents study. ***Chinese Journal of Chromatography***,35, 656-664.	.89	Q4	Scopus/WoS
12.	**Ullah. Habib,** Cecilia Divi Wilfred, Maizatul Shima Shaharun, **(2017)**. Comparative assessment of various extraction approaches for the isolation of essential oil from polygonum minus using ionic liquids. ***Journal of King Saud University-Science***, 31(2), 230-239.	3.7	Q1	Scopus/WoS
13.	Rizwan-ul Haq, Azhar-ul-Haq, Ali Shah, Arif-ullah Khan, Zahoor Ullah, **Habib-ullah Khan**, Rafeeq Alam Khan, Abdul Malik, **(2012)**. Antitussive and toxicological evaluation of Vitex negundo. ***Natural Product Research*** 26(5), 484-488.	2.2	Q2	Scopus/WoS
14.	Rab Nawaz, marlia mohd Hanafiah, Mujahid Ali, Muzammil Anjum, Zaher Abdel Baki, **Habib Ullah (2024)** Review of the performance and energy requirements of metals modified TiO2 materials based photocatalysis for phenolic compounds degradation: A case of agro-industrial effluent. ***Journal of Environmental Chemical Engineering***	7.4	Q1	Scopus/WoS
15.	Rab Nawaz, Zaher Abdel Baki, **Habib Ullah (2024)** Photocatalyzed degradation of persistent organic pollutants via black TiO2 nanomaterials with four distinct morphologies: energy and treatment cost estimation. ***Journal of Environmental Chemical Engineering***	7.4	Q1	Scopus/WoS
16.	Rab Nawaz, Nurul Tasnim Sahrin, Sajjad Haider, **Habib Ullah**, Muhammad Junaid, Muhammd Saeed Ahter, Salahuddin Khan, **(2022)**. Photocatalytic performance of black titanium dioxide for phenolic compounds removal from oil refinery wastewater: nanoparticles vs nanowires, ***Applied Nanoscience***.	3.8	Q2	Scopus/WoS
	Conference Proceedings			
1.	**Ullah Habib,** Cecilia Divi Wilfred, Maizatul Shima Shaharun, (2016). Ultrasonic-assisted extraction of essential oil from Botryophora geniculate using different extracting solvents. In American Institute of Physics Conference Series (Vol. 1787, No. 4).			Scopus
2.	AnwarUl-Haq Ali shah, Zahoor Ullah, Habib Ullah, (2012). Tyrosinanse inhibitory lignans from the methanol extract of vitex negundo linn and their structure activity (19th National chemistry conference in Pakistan).			Scopus

Training/Workshops/Short Courses

Year	Title	Organized by
2019	Six days Workshop on Teacher Training in Chemistry	Kohat University of Science and Technology, Kohat NWFP, Pakistan
2019	19TH National Chemistry Conference	Kohat University of science and technology, Kohat Pakistan
2019	Awareness on Chemical Handling and Scheduled Waste Management	Department of Health, Safety and Environment, Universiti Teknologi PETRONAS Malaysia
2018	Temperature Programmed Reduction	Department of Fundamental and Applied Sciences,

		Universiti Teknologi PETRONAS Malaysia
2017	Safety Awareness on Laminar Flow & Fume Hood	ESCO Biological Safety Institute
2017	Chemical Safety Short Course	Department of Fundamental and Applied Sciences, Universiti Teknologi PETRONAS Malaysia
2016	One day short Course on Dynamic light scattering	Universiti Teknologi PETRONAS Malaysia
2016	One day short Course on FTIR	Universiti Teknologi PETRONAS Malaysia
2008	Three days courses on Nuclear Magnetic Resonance (NMR)	Universiti Teknologi PETRONAS Malaysia
2012	Exploitation of Drugs	Kohat University of Science and Technology, Kohat, KPK, Pakistan

Conference Attended

Year	Title	Organized by
2016	The 4th International Conference on Fundamental and Applied Sciences a conference of ESTCON	Universiti Teknologi PETRONAS Malaysia

Computer and Software Skills

- HighScore Plus Software
- Image J Software
- Origin Pro Software
- Microsoft Office Software
- Gatan Digital Micrographs Software
- Design Expert Software
- Advantage Software
- PCORD Software

REFERENCES

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