BIO DATA of Dr. Lateef Ahmad Malik

Lecturer in Chemistry (Academic Arrangement)

GDC Ganderbal.

1. **Email(s) and contact number:** *maliklateef9@gmail.com/+917780873942/+919596445469*
2. **Institution:** GDC Ganderbal
3. **Date of Birth:** 01- January-1989
4. **Gender (M/F/T):** Male
5. **Category Gen/SC/ST/OBC**: General
6. **Academic Qualification.**

S. No.	Degree	Year	University/Institution	Division
1.	Ph.D.	2022	Kashmir University	-
2.	M.Sc.	2012	University of Kashmir	1st
3.	B.Sc.	2009	University of Kashmir	1st
4.	12Th	2006	GHSS Goshbugh	Distinction
5.	10Th	2004	LEI Goshbugh	Distinction

7. **Ph.D. thesis title:** *Synthesis and characterization of novel hybrid composite materials for heavy metal ion sensing and removal from aqueous systems*

8. Work/Teaching experience

i. Worked as a science teacher at Liaqat Educational Institute Goshbugh (2012-13)

ii. Worked as a Chemistry lecturer at Mind Power Institute Sumbal (2013-2015)

iii. Worked as Gram Rozgar Sahayak (GRS) in the Block Development Office, Pattan (2015)

iv. Worked as a Chemistry Lecturer at Peace Institute of Excellence, Pattan (2020-2022)

v. Worked as a Chemistry Lecturer at Academy of Excellence, Goshbugh (2022-2023)

9. Other Details/Achievements

i. Qualified National Eligibility Test for eligibility of Lectureship (NET-LS) in Chemical sciences, awarded by CSIR New Delhi in 2013

ii. Was awarded with Junior Research Fellowship (JRF) in Chemical sciences, by CSIR New Delhi in 2014

iii. Qualified State Eligibility Test (SET) for eligibility of Lectureship in Chemistry in 2017

10. List of Publications

[1] ***Detection and removal of heavy metal ions****: a review*, **LA Malik**, A Bashir, A Qureashi, AH Pandith, *Environmental Chemistry Letters 17 (4), 1495-1521*

[2] ***Microwave-assisted synthesis of glutathione-coated hollow zinc oxide for the removal of heavy metal ions from aqueous systems,*** **LA Malik**, A Bashir, T Manzoor, AH Pandith (*RSC advances 9 (28), 15976-15985)*

[3] ***Studies on a glutathione coated hollow ZnO modified glassy carbon electrode; a novel Pb (ii) selective electrochemical sensor****,* **LA Malik**, AH Pandith, A Bashir, A Qureashi, T Manzoor*, RSC Advances 11 (30), 18270-18278*

[4] ***Exploring Metal Ion Adsorption and Antifungal Properties of Carbon-Coated Magnetite Composite,*** **LA Malik**, A Bashir, N Ahmad, A Qureashi, AH Pandith, *(ChemistrySelect 5 (11), 3208-3216)*

[5] ***Removal of heavy metal ions from aqueous system by ion-exchange and biosorption methods****,* A Bashir, **LA Malik**, S Ahad, T Manzoor, MA Bhat, GN Dar, AH Pandith *(Environmental Chemistry Letters 17 (2), 729-754)*

[6] ***Enhanced and selective adsorption of Zn (II), Pb (II), Cd (II), and Hg (II) ions by a dumbbell-and flower-shaped potato starch phosphate polymer: a combined experimental and DFT studies****,* A Bashir, T Manzoor, **LA Malik**, A Qureashi, AH Pandith*, (ACS omega 5 (10), 4853-4867)*

[7] ***Revisiting the Old and Golden Inorganic Material, Zirconium Phosphate: Synthesis, Intercalation, Surface Functionalization, and Metal Ion Uptake,*** A Bashir, S Ahad, **LA Malik**, A Qureashi, T Manzoor, GN Dar, AH Pandith, *(*Industrial & Engineering Chemistry Research 59 (52), 22353-22397)

[8] ***Citrate coated magnetite: A complete magneto dielectric, electrochemical and DFT study for detection and removal of heavy metal ions,*** A Qureashi, AH Pandith, A Bashir, T Manzoor, **LA Malik**, FA Sheikh***, (****Surfaces and Interfaces 23, 101004)*

[9] ***Magnetically recyclable L-cysteine capped Fe3O4 nanoadsorbent: A promising pH guided removal of Pb (II), Zn (II) and HCrO4-contaminants,*** A Bashir, AH Pandith, **LA Malik**, A Qureashi, FA Ganaie, GN Dar, *Journal of Environmental Chemical Engineering, 105880*

[10] ***Biomass-derived carbon quantum dots: A novel and sustainable fluorescent "ON- OFF- ON" sensor for Ferric ions,*** A Qureashi, AH Pandith, A Bashir, **LA Malik**, *Analytical Methods*, *10.1039/D1AY01112J*

[11] ***Microwave-Assisted Hydrothermal Synthesis of Agglomerated Spherical Zirconium Phosphate for Removal of Cs^{+} and Sr^{2+} Ions from Aqueous System,*** A Bashir, **LA Malik**, GN Dar, AH Pandith, *Applications of Ion Exchange Materials in the Environment, 95-108*

[12] ***Zinc oxide-decorated multiwalled carbon nanotubes: a selective electrochemical sensor for the detection of Pb (II) ion in aqueous media***, LA Malik, AH Pandith, A Bashir, A Qureashi, Journal of Materials Science: Materials in Electronics 33 (9), 6178-6189

[13] ***Fe_3S_4 nanoparticles wrapped in a g-C_3N_4 matrix: an outstanding visible active Fenton catalysis and electrochemical sensing platform for lead and uranyl ions,*** A Bashir, AH Pandith, A Qureashi, LA Malik, New Journal of Chemistry 47 (3), 1548-1562

[14] ***The emerging role of quantum computations in elucidating adsorption mechanism of heavy metal ions: a review,*** LA Malik, AH Pandith, A Qureashi, A Bashir, T Manzoor, Chemical Papers 76 (6), 3351-3370

[15] ***Electrochemical analysis of glyphosate using porous biochar surface corrosive nZVI nanoparticles,*** A Qureashi, AH Pandith, A Bashir, LA Malik, T Manzoor, FA Sheikh, Nanoscale Advances 5 (3), 742-755

[16] ***Catalytic propensity of biochar decorated with core-shell nZVI@ Fe3O4: A sustainable photo-Fenton catalysis of methylene blue dye and reduction of 4-nitrophenol,*** A Bashir, AH Pandith, A Qureashi, LA Malik, M Gani, JM Perez, Journal of Environmental Chemical Engineering 10 (3), 107401

11. List of Conferences/Workshops

[1] Participated in one weak workshop on ***"Research methodology for Science Scholars/College and University Teachers***", organised by UGC-Human Resource Development Centre, University of Kashmir, Srinagar from 2-05-2016 to 11-05-2016.

[2] Participated in 2 week Winter Workshop from 1st Feb-2018 to 14th Feb-2018 on ***"Research Write up With Latex"*** organised by and held at Institute of Technology, Zakura Campus, University of Kashmir.

[3] Participated and presented a research paper in ***"13th Session of Jammu and Kashmir Science Congress (JKSC 2018)"*** organized from 2nd to 4th April 2018 by University of Kashmir in collaboration with Jammu and Kashmir State Science, Technology and Innovation Science.

[4] Participated and presented a research paper in ***"Ist International Conference on Recent Developments in Science, Humanities and Management-2018"***, held on 17th to 18th April, 2018 at Amar Singh College, Cluster University, Srinagar.

Participated in the two days ***"Science Academies Lecture"*** held at Ibn-e-Khaldoon Auditorium, University of Kashmir, Srinagar.