

CURRICULAM VITAE

DR. MADIHA BATOOL



Assistant Professor Chemistry

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AREA OF RESEARCH

- Analytical chemistry
- Advance spectroscopic studies
- Heavy metal detection in environment, blood, milk, water, tea.
- Removal of dyes by adsorption process and physical parameter study

ACADEMIC RECORD

ACADEMIC QUALIFICATION

PhD

M.phill (1st-div)

M.sc(1st-div)

B.sc(bot-zoo-chem)

F.sc(pre-medical)

Matric(science)

ACADEMIC INSTITUTE

GCU Lahore

GCU Lahore

PU Lahore

PU Lahore

GCWJ

Faran Model School

PROFESSIONAL EXPERIENCE

1-Assistant Professor Chemistry

Post Graduate Islamia College Cooper Road Lahore.

2-Lecturer chemistry(2009-2012)

Government college for women Shahkot Nankana

3-SO(budget)

Government of Punjab higher education department LHR

4-Lecturer chemistry(2008-2009)

Jinnah islamia college LHR(wahdat road branch)

5-Lecturer chemistry

ICT college Gulberg Lahore

6- Subject Specialist Teacher (EDUCATER)

7-Research supervisor BS (honor) 35 students

ACDAMIC DUTIES

1-Member of admission committe of BS honor 4 YDP.

2-Member of examination dipty supritendent for BS honor semester.

3.Research supervision of BS honor 8th-sem.

4-Result incharge of BS honor.

5.Lab and library management .

6- conduct seminars on chemistry research.

COURSES TAUGHT

1-ANALYTICAL CHEMISTRY

2-ENVIRONMENTAL CHEMISTRY

3-PHYSICAL CHEMISTRY

4-INORGANIC CHEMISTRY

5-POLYMER CHEMISTRY

6-SOLID STATE CHEMISTRY

PROFESSIONAL SKILLS

1-INSTRUMENTAL SKILL

AAS , UV SPECTROPHOTOMETER , FLAME PHOTOMETER , POTENTIOMETER ,FLOURIMETER ,X-RAY DIFFRACTION , ELEMENTAL ANALYSIS ,ICP(INDUCTIVE COUPLE PLASMA)

2-SOFT WARE HANDLING

END NOTE,CHEM-DRAW,ACD LABS,LAB VIEW,ORIGIN,highscore.

3- BS honour Research

38 BS honour research students supervized

4-PUBLICATION

1-Madiha Batool, Shazia Khurshid ,Zahid Qureshi , sabir Ali et al,”Study of biogenically fabricated transition metal oxides nanoparticles on oral cavity infectious microbial strains” Inorganic and Nano-Metal Chemistry (Published IF: .90)

2- Madiha Batool, Shazia Khurshid, Zahid Qureshi, Walid M. Daoush et al, “Effective adsorptive removal of azodyes on synthesized copper oxide nanoparticles Article” Biointerface Research in Applied Chemistry 10(3) (2020) (Published IF 0.89) ISSN 2069-5837

(DOI: 10.33263/BRIAC103.369375,<https://www.researchgate.net/publication/340264438>)

3-Madiha Batool, Shazia Khurshid, Amin Abid et al, “Quality Control of Nano Food Packing Material for Grapes (Vitis Vinifera) Based on ZnO and Poly Lactic Acid”. Arabian Journal for Science and Engineering (under review process IF : 1.71)

4.Madiha Batool, Shazia Khurshid, Zahid Qureshi, Walid M. Daoush et al, “Adsorption, Antimicrobial and Wound Healing Activities of Biosynthesis Zinc Oxide Nanoparticles” Chemical Papers (published IF:1.62)

5.Madiha Batool,Shazia Khurshid ,Sabir Ali et al,“Development of efficient drug delivery system against triple-negative breast cancer through a comparative analysis of nanoencapsulation and PEGylation of doxorubicin and gemcitabine using green synthesis (aloe vera leaf extract) ZnO adjuvant nanoparticles to govern mighty targeted cytotoxic potential” inorganic chemistry communications. (submitted IF:2.2)

6-Madiha, B., Walid, M. D., Farwa, H., Nida, M., & Zahid, Q. Kinetic Isotherm Studies of Azo Dyes by Metallic Oxide Nanoparticles Adsorbent. Arc Org Inorg Chem Sci 3 (5)-2018. AOICS. MS. ID, 174. (Published IF:0.23)

7-Madiha, B., Zahid, Q., Farwa, H., & Nida, M. (2018). Biosynthesis of Copper Nanoparticles by using Aloe Barbadensis Leaf Extracts. Inter Ped Dent Open Acc J, 1(2). (published)

(DOI: 10.32474/IPDOAJ.2018.01.000110 ISSN: 2637-6636)

8-Batool, M., Qureshi, M. Z., Hashmi, F., Mehboob, N., & Shah, A. S. Congo Red Azo Dye Removal and Study of Its Kinetics by Aloe Vera Mediated Copper Oxide Nanoparticles. *Indonesian Journal of Chemistry*, 19(3), 626-637. (published IF: 0.94) DOI: 10.22146/ijc.35626

9-Madiha, B., Walid, M. D., Farwa, H., Nida, M., & Zahid, Q. Kinetic Isotherm Studies of Azo Dyes by Metallic Oxide Nanoparticles Adsorbent. Arc Org Inorg Chem Sci 3 (5)-2018. AOICS. MS. ID, 174. (published) I: 10.32474/AOICS.2018.03.000174

10-BATOOL, M., QURESHI, M. Z., HASHMI, F., MEHBOOB, N., & DAOUSH, W. M. (2019). AJ CSIAN JOURNAL OF CHEMISTRY AJ CSIAN JOURNAL OF CHEMISTRY. Asian Journal of Chemistry, 31(3), 707-713. (published IF: 0.31) <https://doi.org/10.14233/ajchem.2019.21752>

11-Madiha, B., Walid, M. D., Farwa, H., Nida, M., & Zahid, Q. Kinetic Isotherm Studies of Azo Dyes by Metallic Oxide Nanoparticles Adsorbent. Arc Org Inorg Chem Sci 3 (5)-2018. AOICS. MS. ID, 174. (published)

12- Effect of metaformin in combination with medicago sativa and holy basil on blood glucose of diabetic oryctolagus cuniculus (journal of innovative science journal lcwu)

13- Khalid, A., S. Ahmad, H. Raza, M. Batool, R. K. Lodhi, Q. T. Ain, and F. Naseer. "Determination of caffeine in soft and energy drinks available in market by using UV/Visible Spectrophotometer." Family Medicine & Medical Science Research 5, no. 4 (2016): 1000206.

5-CONFERENCES AND SEMINARS ORAL PARTICIPATION

1-International conference in analytical chemistry at comstech 3-5 april 2012.

2-International conference on engineering science at UET Lahore Punjab 28-29feb2012.

3-presentation on topic modified palm kernel biomass for binding of malachite green dye .25th-national and 13th-international chemistry conference 20-22 oct 2014 pu Lahore Pakistan.

4. Attended 18th National Chemistry Conference of chemical Society of Pakistan held at Institute of Chemistry, University of Punjab on 25-27 February, 2008.

5- Seminar on Persistent Organic Pollutants (POPs), on December 2005.

6-Seminar on Atomic Absorption Spectroscopy (AAS) and Inductive Coupled Plasma (ICP-OES & ICP-MS), held at PC on June 2006.

7-International conference of bioscience .gcu zoology department (2018)

8-International conference on natural science, 4-5december (2018) poster and oral presentation

9-Conference on nanomaterials :new trend in development and application ,29 jan (2019)

10-Symposium on Functional nanomaterial for catalysis and energy conservation (2016)
Department of chemistry UET.LHR

11-First international conference on natural science Dec(4-5)2016 post graduate college women gulberg Lahore

12-3rd international conference on bioscience 2018 GCU Lahore 9-11 May 2016

13-International conference on Innovation and Commercialization in Biotechnology 25-26 April 2018 Food and biotechnology research center PCSIR LAHORE

14-1ST International conference on recent advances and challenges in basic and social science in contemporary research FEB 12-13 2020 PGIC Cooper Road LHR

15-3RD International conference on technology and science Dec (18-20) 2020 Turkey

16-international webinar on clinical and pharmaceutical microbiology held on 19-21 ,2021
UNESCO chair life educational center America

