Dr Maria Zaib

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1. Job Experience

- Lecturer : University of Gujrat, Sialkot sub-campus, Sialkot
  From 14 November 2014 to 8 April 2016
- Assistant Professor : Government College Women University, Sialkot
  From 11 April 2016 till 11 April 2017 (HEC IPFP Program)
- Assistant Professor: Government College Women University, Sialkot
  From 13 April 2017 till 21 July 2017 (on contract)
- Assistant Professor TTS : Government College Women University, Sialkot
  From 24 July 2017 till present date

2. Research related Activities

2.1. Projects Undertaken (any funded or non-funded project won by faculty member e.g. NRPU, Thematic Research Grant, IPFP, SIOP, SRGP, TDF, PSF, GCF s `t4444`1 etc)

Sr. #	Name of Faculty Member	Project Title	Role (PI/Co-PI)	Funding Agency	Amount	Year
1	Dr. Maria Zaib	Surface modified biosynthesized magnetic nanoparticles for the removal of dyes from industrial effluent'	PI	HEC SRGP	0.5 million	
		Novel electrode material based on layer by layer assembly of metal oxide nanoparticle/graphene composite for lithium ion batteries and solar cells.	Co PI	PSF-NSF Sri Lanka		

2.2. Research Publications

Sr. #	Full Name of Faculty Member	Authors	Title of Article	Name of Journal (With Issue, Volume and Page number, if online add DOI)	Date of Publication (Category)
1.	Maria Zaib	Zaib, M., Saeed, A., Athar, M. M., Hussain, I., Iqbal, M	Voltammetric detection of As (III) with *Porphyridium cruentum* based modified carbon paste electrode biosensor	Biosensors and Bioelectronics, 62, 242-248	2014
2.	Maria Zaib	Zaib, M., Athar, M. M	Electrochemical evaluation of *Phanerocheaete chrysosporium* based	International Journal of Electrochemical Science, 10, 6690-6702.	2015

			carbon paste electrode with potassium ferricyanide redox system		
3.	Maria Zaib	Zaib, M., Athar, M. M., Saeed, A., Farooq, U	Electrochemical determination of inorganic mercury and arsenic - A review.	Biosensors and Bioelectronics, 74, 895-908	2015
4.	Maria Zaib	Zaib, M., Athar, M. M., Saeed, A., Farooq, U, Salman, M., Makshoof, M. N	Equilibrium, kinetic and thermodynamic biosorption studies of Hg(II) on red algal biomass of *Porphyridium cruentum:* Effect of interfering ions.	Green Chemistry Letters and Reviews, 9(4) 179-189	2016
5.	Maria Zaib	Zaib, M., Athar, M. M	Electrochemical Characterization of a *Porphyridium cruentum*-Modified Carbon Paste Electrode by Cyclic voltammetry.	Instrumentation Science and Technology, 46(4) 405-428	2017
6.		Zaib, M., Athar, M. M.,	Voltammetric Detection of Hg(II) in Real Wastewater Using Red Alga Modified Carbon Paste Electrode: Mechanism Insight	Arabian Journal of Science and Engineering 44(1), 179–187	2019
7.	Maria Zaib	T Shahzadi, M. Zaib, T Riaz, S, Shahzadi, M A Abbasi, M. Shahid.	Synthesis of eco-friendly cobalt nanoparticles using *Celosia argentea* plant extract and their efficacy studies as antioxidant, antibacterial, hemolytic and catalytic agent.	Arabian Journal of Science and Engineering, 44, 6435-6444	2019
8.	Maria Zaib	M. Zaib, T Shahzadi, I. Muzammal, U. Farooq	*Catharanthus roseus* extract mediated synthesis of cobalt nanoparticles: evaluation of antioxidant, antibacterial, hemolytic and catalytic activities	Inorganic and Nano metal Chemistry DOI: 10.1080/24701556.2020.1737819	2020
9.	Maria Zaib	S.A.D.R. Madhusank, R.D.L. Sandaruwan, M. M. Athar, M.	TiO_2 Microparticles/Reduced Graphene Oxide Composite as Anode Material for	International Journal of Electrochemical Sciences, 15, 2792 – 2805	2020

		Zaib, Hashitha M.M. Munasinghe Arachchige, B.S. Dassanayake, M. Yoshio, N. Gunawardhana	Lithium Ion Battery		

3. Conference Attended/Presented

Sr. #	**Name of Faculty Member**	**Role** (Session Chair/Panelist etc)	**Title of Article / Conference**	**Venue / Organized by**	**Date**
1.	Dr Maria Zaib	Participant	4th international conference on 'Molecular Biosciences- challenges and opportunities'	University of the Punjab, Lahore	25-28 November 2013
2.					
3.					

4. Workshops Attended

Sr. #	**Name**	**Lecture delivered (Topic)**	**Title of Workshop**	**Organized by**	**Date**
1.	Dr Maria Zaib	NVIVO SOFTWARE' Attendant as Participant	One day workshop 'NVIVO SOFTWARE'	Government College Women University, Sialkot	4th June 2016
2.	Dr Maria Zaib	Modeling and Simulation of Materials Attendant as Participant	Three days' workshop '4th National Workshop on Modeling and Simulation of Materials by Density Functional Theory	PINSTECH, Islamabad	22nd -24th November 2016
3.	Dr Maria Zaib	Andragogy/Pedagogy Skills Attendant as Participant	Three days' workshop 'Andragogy/Pedagogy Skills'	Punjab Higher Education Commission, at University of Education, Lahore	22nd -24th January 2018

5. Editorial Work

Sr. #	**Name**	**Name of Journal with ISSN number**	**National / International (Category)**	**Role (editor/ editorial board member)**	**Since**
1.	Dr Maria Zaib	International Journal of Environmental	International	Reviewer	March 2019

		Analytical Chemistry ISSN: 0306-7319			
2.	Dr Maria Zaib	Journal of Nanostructure in Chemistry ISSN: 2193-8865	International	Reviewer	April 2020
3.	Dr Maria Zaib	Heliyon ISSN: 2405-8440	International	Reviewer	

6. MS/PhD Thesis Supervised

MS Thesis:

Sr. #	Name of Student	Department	Thesis Topic	Supervisor / Co-supervisor
1.	Saba-Chem-1601	Chemistry, GCWUS	Green Synthesis of magnetic nanoparticles and their application in dye removal from waste water	Co-supervisor
2.	Irfa Muzammal-Chem-1603	Chemistry, GCWUS	Biosynthesis of surface modified magnetic nanoparticles by Vinca rosea and its application in dye removal	Co-supervisor
3.	Misbah Jamil-Chem 1601-	Chemistry, GCWUS	Green Synthesis of Nickel Nanoparticles and its application in Cr(VI) removal from waste water	Supervisor
4.	Ammama Akhtar-Chem-1708-	Chemistry, GCWUS	Green synthesis of carbon dots and their application in photocatalytic degradation of dyes	Supervisor
5.	Ayesha Sarfraz-Chem-1805	Chemistry, GCWUS	Colorimetric sensing of Cu(II) ions using different doped carbon dot and silver nanocomposites: comparative study	Supervisor
6.	Tabinda Chem-1812	Chemistry, GCWUS	Colorimetric sensing ofsulphide ions using green synthesized copper monometallic and bimetallic nanoparticles: comparative study	Supervisor