

Dr. Saadat Majeed

M.Sc (IUB), M.Phil (IUB), Ph. D. (CIAC-CAS, China)

Assistant Professor

Division of Analytical Chemistry, Institute of Chemical Sciences

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Researcher ID: P-9895-2017:

<https://scholar.google.com/citations?user=GzFF6VAAAAAJ&hl=en>



EDUCATION

2012-2015 Doctor of Philosophy (PhD)

Supervisor: Prof. Dr. Guobao Xu

Thesis Title: Synthesis and Applications of Quantum Dots

State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry,

CAS, Changchun China (www.ciac.ac.cn)

Field of Specialization: Electroanalytical Chemistry

2004-2006 Master of Philosophy (M.Phil) (2nd Position)

Supervisor: Prof. Dr. Karamat Mahmood

Thesis Title: Phytochemical, Biochemical and Mineral Analysis of *Salsola Baryosma* and *Haloxydon Salicornicum* Plants from Cholistan Desert

The Islamia University of Bahawalpur, Bahawalpur, Pakistan (www.iub.edu.pk)

2001- 2003 Master of Science (M.Sc) (3rd Position)

Supervisor: Prof. Dr. Makshoof Ather

Thesis Title: Cotton Biomass-A New Biosorbent for the Removal of the Heavy Metals

The Islamia University of Bahawalpur, Bahawalpur, Pakistan (www.iub.edu.pk)

➤ **Research Interest and Published Articles**

Electroanalytical Chemistry, Biosensors designing and applications, Nanomaterial synthesis and applications Microfluidics and designing of paper devices, Development and designing of point of care devices, Quantum dots synthesis, imaging and sensing applications, Luminescence (Fluorescence, Chemiluminescence)

➤ **Research Grants**

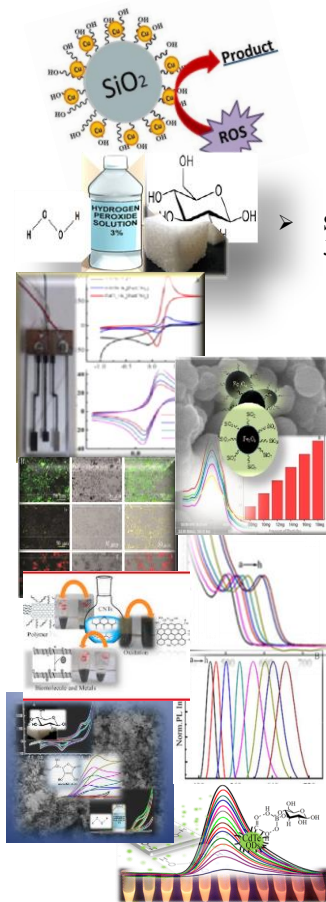
01. "Multiplex Nanomaterials Nanosensor for neurotransmitters based Biogenic amines and amino acids". Total Amount: Rs.1,73,400; Funding source: Bahauddin Zakariya University, Multan (No.DR & EL/ D-740 ;Dated:11-10-2017: /- Completed)
02. "Fabrication and Development of Carbon Based Biosensors for Neurotransmitters and Redox Active Biomolecules" Total Amount: Rs.1, 50,000; Funding source: Bahauddin Zakariya University, Multan, No. DR & EL/D-665 dated June 2016-August 2017. (Completed)
03. "Synthesis and Applications of quantum Dots" (PhD thesis. The state key laboratory of Electroanalytical Chemistry, Changchun institute of Applied Chemistry, Chinese Academy of Sciences, Changchun China. (completed) Funding source: HEC, Faculty Development Scholarship

➤ **Selected Research Articles and Brief over view** Journal (ISI Indexed) Publications (Published) = 31 (International Journals) Total No of citations = 640; h-index= 12; i10 Index= 13 (Source: Google Scholar, Feb.2019)

Total Impact Factor >120 (2019)

01. **Patent:** A kind of CdTe quantum dots and its preparation. Guobao Xu, **Saadat Majeed**, Wenye Gao. Patent No.: ZL 2015 1 0025448.3 Patent Application Date: 19th Jan, 2015. Patent Authorization Date: 28th Sep, 2016. Patent Holder: Changchun Institute of Applied Chemistry, Chinese Academy of Sciences
02. Nazia Zulfiqar, **Saadat Majeed**,* Batool Fatima, Bahareh Shirinfar, Dilshad Hussain, Laila Jaffrey, Nisar Ahmed, Sayed Tayyab Raza Naqvi, Asghar Javeed, Rahat Nawaz. Fabrication of N-halamines and Silver Nanoparticles Modified Nonwoven Fabric for Biomedical Application. (Submitted to Analyst, March 2020)
03. S. T. R. Naqvi, Tahir Rasheed, Muhammad Naeem Ashiq, Muhammad Najam ul Haq, **Saadat Majeed**,* Batool Fatima, Rahat Nawaz, Dilshad Hussain, Sameera Shafi. Fabrication of iron modified screen printed carbon electrode for sensing of amino acids. *Polyhedron*, 2020, 180, 114426-30.
04. S.T.R. Naqvi, T. Rasheed, D. Hussain, M. Najam ul Haq, **S. Majeed**,* S. Shafi, N. Ahmed, R. Nawaz, Modification strategies for improving the solubility/dispersion of carbon nanotubes, *Journal of Molecular Liquids*, 2020, 297 111919-111923
05. R. Aslam, B. Fatima, D. Hussain, R. Nawaz, **S. Majeed**, M.N. Ashiq, T.I. Qureshi, M. Najam-Ul-Haq, Sensitive and high recovery electrochemical sensing of resorcinol by Cd-glutathione complex-modified glassy carbon electrode, *International Journal of Environmental Analytical Chemistry*, 2020, DOI: [10.1080/03067319.2020.1711895](https://doi.org/10.1080/03067319.2020.1711895)
06. Tahir Rasheed, Faran Nabeel, **Saadat Majeed**, Syed Tauqir Ali Sherazi, Ahmad Naveed. Self-sacrificing Template Based Hollow Carbon Spheres/Molybdenum dioxide Nanocomposites for High-Performance Lithium-Ion Batteries. *Materials Today Communication*, 2019, 21, 100694
07. Muhammad Fiaz, Muhammad Kashif, **Saadat Majeed**, Muhammad Naeem Ashiq, Muhammad Asim Farid, Muhammad Athar. * Facile Fabrication of Highly Efficient Photoelectrocatalysts $M_xO_y@NH_2$ -MIL-125 (Ti) for Enhanced Hydrogen Evolution Reaction. *ChemistrySelect*, 2019, 4(23), 6996-7002.
08. Dilshad Hussain, Muhammad Najam-ul-Haq*, **Saadat Majeed**, Syed Ghulam Musharraf, Qian Lu, Xiaomei He, Yu-Qi Feng. Facile liquid-phase deposition synthesis of titania-coated magnetic sporopollenin for the

RESEARCH INTEREST AND ACHIEVEMENTS



selective capture of phosphopeptides. *Analytical and Bioanalytical Chemistry*, 2019, 411 (15), 3373-3382

09. Raza Naqvi, Sayed, Shirinfar, Bahareh, Hussain, Dilshad, **Majeed, Saadat**,* Ashiq, Muhammad, Aslam, Yasine, Nisar Ahmed*. Electrochemical Sensing of Ascorbic Acid, Hydrogen Peroxide and Glucose by Bimetallic (Fe, Ni)-CNTs Composite Modified Electrode. *Electroanalysis*. **2018**, 2(6)
10. Sayed Tayyab Raza Naqvi, Bahareh Shirinfar, **Saadat Majeed**,* Muhammad Najam-ul-Haq, Dilshad Hussain, Tanyia Iqbal and Nisar Ahmed*. Synthesis, design and sensing applications of nanostructured ceria-based materials. *Analyst*, **2018**, 143, 5610-5628

28. International and National Conferences (Most recent and selected)

1. **International Training** on “Advance Electroanalytical Chemistry” , State Key Laboratory of Electro analytical Chemistry ,Changchun Institute of Applied Chemistry Changchun, China. 28 August-22 September 2019
 2. **Summer School on Frontiers of Interdisciplinary Sciences**, International College of University of Chinese academy of Sciences (IC-UCAS) Beijing, China. July 23-28, 2015
 3. **ACS on Campus**, American Chemical Society, Scientific Writing and Publications, Changchun Institute of Applied Chemistry, Changchun, China. November 6, 2015
 4. **Summer School on Frontiers of Interdisciplinary Sciences**, International College of University of Chinese academy of Sciences (IC-UCAS) June 23-28, 2014 Beijing, China.
 5. **Summer School on Physical Chemistry for Advance Electroanalytical Chemistry Applications**, Xiamen University, Xiamen, China. June 22- 15 July 2012
1. **Gold Medal** for PhD from Zakarian Chemist Organization (ZACO), 2016.
 2. **Second Prize Award**, *Group Oral Presentation Competition*, at International College of University of Chinese Academy of Sciences (IC-UCAS) on Interdisciplinary Sciences, 2015-Beijing, China.
 3. **Third Position and Award** of 3000RMB, Individual Oral Presentation Competition, University of Chinese Academy Of Sciences Beijing, China, 2014
 4. **Third Position**, M.Sc Chemistry, The Islamia University Bahawalpur, Bahawalpur Pakistan. 2003
 5. **Won PhD Faculty development Foreign scholarship, 2012** for PhD studies at State Key Laboratory of Electroanalytical Chemistry, Changchun, China

**AWARDS/
SCHOLARSHIPS**

**WORK
EXPERIENCE**

1. **Assistant Professor** (Currently), Bahauddin Zakariya University Multan ,Multan, Pakistan (Feb.2016 To- date) (www.bzu.edu.pk)
2. **Lecturer**, Bahauddin Zakariya University Multan ,Multan, Pakistan (Oct. 2007-Feb.2016) (www.bzu.edu.pk)

REFERENCE

Prof. Dr. Guobao Xu
Deputy Director

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Chinese Academy of Sciences, Changchun China (www.ciac.ac.cn)
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