

Dr. SABA IBRAHIM

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Father's Name	: Muhammad Ibrahim
Date of Birth	: May 14, 1978
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Domicile	: Lahore
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PRESENT STATUS

Assistant Professor in the Department of Chemistry, Government College University Lahore.

QUALIFICATIONS

DEGREE	YEAR OF PASSING	MARKS OBTAINED/TOTAL MARKS	DIVISION	INSTITUTION
Ph.D. Chemistry from the University of Engineering and Technology Lahore.				
M.Phil. (chemistry)	2003	3.28/4.00	1st	Govt. College Lahore.
M.Sc. (chemistry)	2001	1036/1400	1st	Govt. College Lahore
B.Sc.	1999	515/800	1st	University of The Punjab, Lahore.

Experience	❖ Assistant Professor, Feb 2017 to date. ❖ Lecturer, 2nd July 2007 to February 2017. ❖ I have worked as a teaching assistant in the Department of Chemistry, GCU Lahore, from September 8th, 2003, to July 1st, 2007 ❖ I have worked as a Subject Specialist in Chemistry in the “Educators” College from January 15, 2002, to August 29, 2003, to devise strategic and operational measures for more than 160 schools throughout the country.
Honors	❖ 3rd international conference “Trends and research in chemistry” held on 6th and 7th November 2024 in the Department of Chemistry, University of Education Lahore. ❖ International symposium on hybrid materials for energy conversion and storage on 16 Feb 2023 in GCU Lahore. ❖ Advancement in interdisciplinary science on 18th May 2022 in UET Lahore. ❖ International webinar on industry-academia linkage on 29-09-2021 in GCU Lahore. ❖ 2nd international conference on recent advances in chemical sciences from 20 to 22 March 2019 in GCU Lahore. ❖ One-day symposium “Advancement in Interdisciplinary Science” on 18 May 2018 in UET Lahore. ❖ International chemistry conference for the promotion of university-industry linkage on 24th – 26th January 2018 in GCU Lahore. ❖ International symposium on sensors and biosensors on 11 November 2018 in IRCBM COMSATS Lahore campus. ❖ Hands-on training on Basic tools in bioinformatics held on 29-11-2017 in the Institute of Industrial Biotechnology, GCU Lahore. ❖ Symposium on FUN-materials in applied chemistry and catalysis on 08-05-2017 in UET ❖ Andragogical and communication skills from 23 to 27 May 2016 in PHEC, GCU Lahore. ❖ Functional nanomaterials for catalysis and energy conversion held on 16-05-2016 in UET. ❖ Attended an international workshop on crystallography and nanomaterials and the first meeting of the Pakistan Association of Crystallography, held on 19-21 October 2011.

List of
Publications

- ❖ Attended two day workshop on crystallography held on 6th and 7th June 2011.
 - ❖ Cascading workshop on training effectiveness from 12th -14th September 2011 bt QEC, GCU Lahore.
 - ❖ Professional Competency Enhancement Program for Teachers, arranged by NAHE in the Government College University, Lahore, from May 17, 2010 to June 17, 2010.
 - ❖ I participated in two national symposiums arranged by Government College University Lahore and Pakistan Institute of Chemistry.
 - ❖ Attended two two-day workshops to strengthen the four-year B.Sc. (Hons) program.
 - ❖ I am granted “Subsistence allowance for Graduate” from the Academics Division, University Grants Commission H-9, Islamabad for the year 2002-2003.
1. Fluorescence Analysis of Antibacterial Activity of ZnO/TiO₂ Electrospun Nanofibers: A Molecular Approach to Reveals the Insights of Physiochemical Interactions of Materials with Bacteria, Ali Hassan^{1,2}, Shahzad Anwar³, Rashad Rashid⁴, Rafaqat Ali Khan¹, **Saba Ibrahim**², Bisma Khanam², Attaullah Shah¹, Muhammad Raffi¹ J Fluoresce. 2024 Dec 30. doi: 10.1007/s10895-024-04085-x. (impact factor 2.6)
 2. Polymeric coating doped with nanomaterials for functional impact on different substrates, Phool Shahzadi, Muhammad Amjad Majeed, **Saba Ibrahim**, Sabahat Asif, Razia Kalsoom & Irshad Hussain *Scientific Reports* volume 14 Article number: 578 (2024). <https://doi.org/10.1038/s41598-023-50462-0> published 5 january 2024. (impact factor 4.9)
 3. Extracellular Synthesis of Iron Oxide Nanoparticles Using an Extract of *Bacillus circulans*: Characterization and In Vitro Antioxidant Activity, Ghulam Rabani^{ID}, Muhammad Dilshad^{ID}, Aamir Sohail, Aqsa Salman, **Saba Ibrahim**^{ID}, Iqra Zafar, and Hafiz Muhammad Arshad, Hindawi, Journal of Chemistry, Volume 2023, Article ID 4659034, 9 pages <https://doi.org/10.1155/2023/4659034> Published 16 October 2023, (Impact Factor3.0)
 4. One Pot Efficient Synthesis of 1, 3 -di (Naphthalen-1-yl) Thiourea; X - Ray Structure, Hirshfeld Surface Analysis, Density Functional Theory, Molecular Docking and In -Vitro Biological Assessment Muhammad Asam Raza *, Kanwal Javaid, Umme Farwa, Anam Javaid, Muhammad Yaseen, Ja n K. Maurin, Armand Budzianowski , Bushra Iqbal , **Saba Ibrahim**. Journal of Molecular Structure journal homepage:

www.elsevier.com/locate/molstructure <https://doi.org/10.1016/j.molstruc.2022.1339890022-2860/©20XX> (IF 3.841)

5. An Eco-Friendly Approach for the Extraction of Antioxidant Components from *Artemisia Annua* Leaves Using Response Surface Methodology. Umer Younas, Shahid Iqbal, Rashida Bashir, Noreen Sajjad, Zohaib Saeed, Muhammad Pervaiz, Faiza Hassan, Faisal Ali, **Saba Ibrahim**, Fozia Batool, Ishtiaq Hussain, Munawar Iqbal. *Pol. J. Environ. Stud.* Vol. 30, No. 5 (2021), 1-7, [DOI: https://doi.org/10.15244/pjoes/132787](https://doi.org/10.15244/pjoes/132787).
6. **Ibrahim, S.**, Ahmad, Z., Manzoor, M.Z. *et al.* Optimization for biogenic microbial synthesis of silver nanoparticles through response surface methodology, characterization, their antimicrobial, antioxidant, and catalytic potential. *Sci Rep* **11**, 770 (2021). <https://doi.org/10.1038/s41598-020-80805-0>
7. Heavy Metal Enrichment of Soil Irrigated with Paper and Board Mill (PBM) Effluents, Umer Younas ¹, Shahid Iqbal ², Zohaib Saeed ³, **Saba Ibrahim** ³, Shazia Khurshid ³, Muhammad Pervaiz ¹, ³, Asif Saleem ⁴, Asma Zaidi ⁵, Munawar Iqbal ¹, Arif Nazir ¹ *Pol. J. Environ. Stud.* 2020;29(6):4463–4468. [DOI: https://doi.org/10.15244/pjoes/117653](https://doi.org/10.15244/pjoes/117653)
8. Liquid Chromatography Technique for Simultaneous Estimation of Metformin and Vildagliptin. Application to Pharmacokinetic in Healthy Rabbits Abdul SHAKOOR ¹, Rashida BASHIR ², Shazia KHURSHID ¹, Tabassam BASHIR ¹, **Saba IBRAHIM** ¹, Sajad HUSSAIN ¹ & Ahmad ADNAN ¹, *Latin American Journal of Pharmacy (formerly Acta Farmacéutica Bonaerense)* Lat. Am. J. Pharm. 39 (3): 490-7 (2020), Received: September 3, 2019 Revised version: December 2, 2019 Accepted: December 3, 2019.
9. Waqar Ahmad, K. Shabbiri, N. Nazar, S. Nazar, **Saba Qaiser**, M.A. Shabbir. Human Linker histone: interplay between phosphorelation and O-beta-GlcNAc to mediate chromatin structural modifications. *Cell division* 2011. in pdf format. (Impact factor 4.09).
10. **Saba Ibrahim**, M. N. Tahir, N. Iqbal, D. Shahwar and M. A. Raza *N*-(4-Methoxyphenyl) benzenesulfonamide *Acta Cryst.* (2011). E**67**, 0298. (0.413).
11. Shahnaz Hamid, **Saba Ibrahim**, S.M. Kinaan, H. Akhtar. "Quantitative determination of sulpiride in pharmaceutical preparations by using new extractive spectrophotometric

method". Pakistan Jour. of Sci Research. 57(1-2)2005.

12. A.A Kazi, Tehseen Aman, A. Mumtaz, **Saba Ibrahim** and I.U. Khan. "Spectrophotometric determination of sulpiride in pure form and pharmaceutical preparations". Proc. Pak. Acad Sci. 42(1)2005(march).
13. I.U. Khan, S.M Kinaan, **Saba Ibrahim**, M, A Kashmiri. "Spectrophotometric quantitation of ibuprofen using sodium nitrite and α -naphthylamine". Journal of natural sciences and mathematics. Vol 43(2)2003.