

FACULTY PROFILE

(as on 15.07.2024)

DR. Nazia Kausar, M.Sc., Ph.D.

ASSISTANT PROFESSOR (W.B.E.S.)
DEPARTMENT OF CHEMISTRY
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A. Personal Information:

1. Name: DR. NAZIA KAUSAR
4. Nationality: INDIAN
5. Highest Qualification: Ph.D.
6. Language known: Bengali, English, Hindi
7. Mother Tongue: Bengali

ADEMIC PROFILES:

Degree	Institute	Year
Ph.D.	Rajabazar Science College, University of Calcutta	2018
M.Sc.	West Bengal State University	2013
B.Sc.	Barrackpore Rastraguru Surendranath College	2011

PROFESSIONAL POSITIONS:

Current **Assistant Professor of Chemistry** in the W.B.E.S. at Government College (Government General Degree College, Kaliganj) from 11.12.2019 to till date. Kaliganj, Nadia, West Bengal, India

ACADEMIC DISTINCTIONS AND AWARDS:

M.Sc./B.Sc. Rank etc	1 st Class first, Department of Chemistry, WBSU
Award n Honors	1. Qualified in the “Joint CSIR-UGC National Eligibility Test” (NET) in 2014. 2. Qualified in the “State Eligibility test” (SET) in 2014. 3. Awarded “DST Inspire Fellowship”, in March 2014. 4. 1st rank holder in the department of chemistry, WBSU, 2013.

A. AREA OF RESEARCH INTEREST:

Organic Synthesis Applying Catalysis and Sustainable Chemistry

B. BOOK/BOOK CHAPTER PUBLISHED:

1. Recent progress in the synthesis of biologically significant spiroindole structural core
ISBN:978-93-5267-195-3

C. RESEARCH & PUBLICATIONS:

1) Graphene oxide nanosheets: a highly efficient and reusable carbocatalyst catalyzes the Michael-cyclization reactions of 4-hydroxycoumarins, 4-hydroxypyron and 4-hydroxy-1-methylquinolinone with chalcone derivatives in aqueous media. Nazia Kausar, Partha Pratim Ghosh, Gargi Pal and Asish R. Das, RSC Adv., 2015,5, 60199-60207.

2) Synthesis of 2,3-dihydroquinazolinones and quinazolin-4(3H)-ones catalyzed by graphene oxide nanosheets in an aqueous medium: “on-water” synthesis accompanied by carbocatalysis and selective C–C bond cleavage. Nazia Kausar, Indranil Roy, Dipankar Chattopadhyay and Asish R. Das, RSC Adv., 2016,6, 22320-22330.

3) Practical carbocatalysis by graphene oxide nanosheets in aqueous medium towards the synthesis of diversified dibenzo[1,4]diazepine scaffolds. Nazia Kausar, Prasun Mukherjee and Asish R. Das, RSC Adv., 2016,6, 88904-88910

4) A green synthetic approach toward the synthesis of structurally diverse spirooxindole derivative libraries under catalyst-free conditions. Nazia Kausar, Abdulla Al Masum, Md. Maidul Islam, Asish R. Das in Molecular Diversity (2017), DOI: 10.1007/s11030-017-9728-9

5) CuI-Zn(OAc)₂ catalyzed C(sp²)-H activation for the synthesis of pyridocoumarins through an uncommon CuI-CuIII switching mechanism: A fast, solvent-free, combo-catalytic, ball

milling approach Nazia Kausar and Asish R. Das. Tetrahedron Lett. DOI:org/10.1016/j.tetlet.2017.05.074

6) Cu^{II} Catalyzed N-alkylation of 3-aminocoumarines with primary aromatic amines and alcohols: A new route to form C-N bond by direct benzylation of 3-aminocoumarine system. Nazia Kausar and Asish R. Das, Journal of the Indian Chemical Society, 2018, 95, 81-89

7) Preparation of biofunctionalized silver nanoparticles using Clerodendrum glandulosum leaf extract for evaluation of its antibacterial efficacy. Manmata Dhara, Rubina Khatun, Aditi Mondal, Nazia Kausar, Supriya Mandal, Junaid Jibrán Jawed, Mohd Afzal. Abdulla Al Masum, Chemical papers, 2024, <https://doi.org/10.1007/s11696-024-03437-y>

8) A decade of Advancement in Ruthenium (II)-Catalyzed Direct C–H Activation and Consequent C-C/C-N bond formation using Microwave Heating. Nazia Kausar, Current Microwave Chemistry, 2024 DOI: 10.2174/0122133356303594240502052813

Total number of publications: 09 (Journals: 08, Conference Proceedings: 01)

Conference Proceedings:

Recent progress in the synthesis of biologically significant spiroxindole structural core. August 04-05, 2016 UGC-Sponsored National Seminar on “Recent Development in Bio-Active Molecules. Organized by UGC

Symposium and Conference and Seminars:

1. Participated in National Symposium on “Current perspectives in chemical research”, Organized by department of chemistry, University of Calcutta, March 30, 2016
 2. Participated in National Symposium on “Emerging Trends in Chemical Sciences” Organized by department of chemistry, University of Calcutta, March 30, 2017
 3. Presented a Poster in UGC-Sponsored National Seminar on “Recent Development in Bio-Active Molecules” Organized by UGC, Dated: August 04-05-2016
 4. Attended ‘One Day State Level Webinar on ‘Career Advancement Scheme for Academic Staff of Colleges in West Bengal’ organized by IQAC, Suri Vidyasagar College in collaboration with IQAC, Sambhunath
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College, Labpur on 22.08.2021

5. Presented Paper in International Seminar on 'Education in India: Vedic to Modern Era' organized by IQAC, GGDC, Kaliganj on 05.09.2023

6. Presented a Paper in International Seminar on 'Innovation, Expansion, Impacts and Challenges in Chemical and Biological sciences' organized by IQAC, Surendranath College on 22.12.2023
