

Name: **Dr. Abhijit Bhattacharya**

Designation: Associate Professor, BBM College

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Area of Specialisation: Organic Chemistry

Research Area: Medicinal Chemistry

Courses Taught: Chemistry (Hons. and general) , IMD Chemistry Course

Publication Details: About 20 research papers are published in different journals and book chapters

1. Anti-biofilm potentiality of alternanthera philoxeroides: a study with methanolic plant extract, european journal of pharmaceutical and medical research, 2016
2. Cheminform abstract: chemical constituents of plumbago indica roots and reactions of plumbagin: part 2, indian journal of chemistry, 1999
3. Chemical constituents of diospyros nigra, journal of indian chemical society, 2003
4. Chemical constituents of argyrea argentea, millingtonia hortensis and pyrostegia venusta, journal of indian chemical society, 2002
5. Cytology and biochemical estimation of neptunia prostrate (lamk.) baillon: an ethnomedicinal aquatic legume of tripura, north east india, annals of plant sciences, 2016
6. Cd(ii) and zn(ii) complexes with 2-mercaptopyridine: synthesis, crystal structure, hirshfeld surface analysis, luminescent properties, aggregation behaviours, (i–v) characteristic and antibacterial assay, polyhedron, 2023
7. Mixed ligand complexes of cobalt(ii): synthesis, reactivity, physico-chemical and spectroscopic studies, asian journal of chemistry, 2023
8. Antimicrobial c-glucoside from aerial parts of diospyros nigra, chemistry and pharmaceutical bulletin, 2006
9. Ichnocarpus frutescens (l.) r. br. root derived phyto-steroids defends inflammation and algesia by pulling down the pro-inflammatory and nociceptive pain mediators, steroids, 2018

10. Cd(ii) and zn(ii) complexes with 2-mercaptopyridine: synthesis, crystal structure, hirshfeld surface analysis, luminescent properties, aggregation behaviours, current-voltage characteristic and antibacterial assay, polyhedron, 2024
11. A brief review on aquatic plant having medicinal property in tripura, book chapter, isbn : 978-93-81631-36-2, 2015
12. Chemical constituents of mimosa pudica flower, book chapter, isbn : 978-93-86283-54-2, 2017
13. Phytochemistry and pharmacology of naturally occurring c-glycosides - an update review, isbn : 978-93-86283-54-2, 2017
14. Isolation and characterisation of bioactive flavone from stem bark of gomphrena globosa, book chapter, isbn : 978-81-19492-68-8, 2024
15. Regional environmental management a theoretical aspect of a new model to sustain pleasant development, book chapter, isbn : 81-86792-36-6, 2011
16. Detection of lorazepam from human viscera by a new hplc technique, then indian police journal, bprd, 2010
17. Examination and characterization of some heroin exhibits: a case study, xvi - all india forensic science conference, 2005
18. Examination of a post explosive scene - a case report, xv - all india forensic science conference, 2004

Project Details: Nill

Seminar/Conference/Workshops Participated: 15

Seminar/Conference/Workshops Conducted: 02

Membership in Academic Bodies: Life member of ISCA and Tripura Chemical Society

Involvement Beyond Academic Activities: Attending TV programme as a resource person, publishing poetry, and write ups in different newspapers. Edited one book