



CHAIDUAR COLLEGE, GOHPUR

CURRICULUM VITAE

Name	:	Dr. Madhab Upadhyaya
Department	:	Chemistry
E-mail ID	:	mdhb2004@rediffmail.com; madhabupadhyaya474@gmail.com
Educational Qualifications	:	M.Sc., M.Phill., Ph.D.

Publication Details : Research papers Published in journals:

Sl. No.	Title of the paper, Name of the Journal, Volume, Issue and page number and ISSN.
1	Synthesis and Characterization of Peppermint Oil Loaded Complex Coacervates of Chitosan Phosphate/K-Carrageenan and Evaluation of Their Antibacterial Activity, <i>Asian J. Chem.</i> Vol. 35 No. 12, 2023 , Page Nos. 3013-3021, ISSN No. : "https://portal.issn.org/resource/ISSN/0970-7077"
2	DFT Study on the Carcinogenicity of Some Common Polycyclic Aromatic Hydrocarbons (PAH), <i>Phy. Chem. Res.</i> Vol. 11 No.3, 2023 Page Nos. 537-548. ISSN No. 23452625, 23225521
3	DFT Study on the Conformational Change in π - π Stacking Interaction of Naphthalene, α -Naphthol and β -Naphthol System, <i>Ras. J. Chem.</i> Vol. 15 No. 2, 2022 , Page Nos.1190-1201. ISSN No. 0974-1696
4	Polyaniline/Clay Nanocomposites-Synthesis and Characterization, <i>Int. J.Trend in Sci. Res. Dev.</i> Vol. 6 No.4, 2022 , Page Nos. 357-368. ISSN No. 2456 –6470
5	Synthesis and Characterisation of Polyaniline Doped with Cu-Salts and Cu-Complexes. <i>Int. J. Trend in Sci. Res. Dev.</i> Vol.6 No. 7, 2022 Pages 1323-1329. ISSN No. 2456 –6470
6	<i>ab initio</i> Study on the π - π Stacking and Halogen Interaction in Chlorobenzene Systems in Comparison to Chloro Substituted Ethenes, <i>Asian J. Chem.</i> Vol.33 No.2, 2021 , Page Nos. 338-344. ISSN No. : https://portal.issn.org/resource/ISSN/0970-7077
7	Hydrogen Bonding Interaction and Structural Change in Some Aliphatic Alcohol-Water Complexes: A Quantum Mechanical MP4 Study, <i>Asian J. Chem.</i> Vol. 32 No. 7, 2020 , Page No. 1581-1588. ISSN No. 0970-7077

8	Conductive Composites of from Polyaniline and Polyurethane Sulphonate Anionomer, <i>J. Appl. Polym. Sci.</i> (Wiley)2015,132, ISSN No. 0021-8995.
9	Studies on Cu ⁺² ion Doped Polyaniline, <i>Polymer Journal</i> Vol. 21, 2012 , Page Nos. 601–607.ISSN No. 1026-1265
10	Synthesis of Nanostructured Polyaniline in Dodecyl Sulphuric Acid (DSA) Mediated Miceller Medium with Isopropyl Alcohol as Cosurfactant <i>Res. J. Chem. Environ.</i> Vol. 16 No.4, 2012 , Page Nos. 19-25, ISSN No. 0972-0626
11	Polyaniline Nanoparticle in Sodium Dodecyl Sulphate Based Inverse Microemulsion, <i>J. Polym. Mater</i> Vol. 28 No. 4, 2011 Page Nos. 561-571. 0973-8622 (P) 0976-3449 (E)
12	Quality Assessment of Drinking Water With respect to Fluoride and Arsenic in Gohpur Sub-Division of Sonitpur District of Assam, <i>Poll. Res.</i> Vol. 29 No. 4, 2010 , Page Nos. 607-612.
13	Studies on Semiconducting Properties of Hexamethylene-Halogens Charge-Transfer Complexes, <i>Int. J. Chem. Sci.</i> Vol. 4 No.3, 2006 , Page Nos. 624-628. ISSN: 2349-8528(P), ISSN: 2321-4902(E)

Projects / Grants, etc. (if any) : UGC-MRP = 03

Sl. No.	Title	Funding Agency	Period	Grant/Amount (Rs. In Lakh)
1.	Synthesis of Polyester Ionomers, Their Characterization and Physicochemical Studies	UGC	2004-2006	Rs. 95000.00
2.	Polyester Ionomers of Terephthalic acid or Terephthaloyl Chloride and Propan 1,2 Diol- Synthesis and Characterization	UGC	2008-2010	Rs. 80000.00
3.	Polyaniline/Montmorillonite Clay Nanocomposite and their Application as Toxic Gas Sensor.	UGC	2015-2017	Rs. 270000.00

Conferences/Seminars/Invited Talks/Workshops/RC/OP/FDP/Training Details:

Sl. No.	Programme	Duration	Organised by
1	UGC-Refresher Course	February 23-March 15, 2011	NEHU Shillong
2	UGC-Refresher Course	March 11-31, 2009	Mysore University
3	UGC-Refresher Course	Sep 20-Oct 16, 2004	HP University, Shimla

4	UGC-Orientation Programme	Nov 17-Dec 7, 2001	BHU Varanasi
5	One day Workshop on “UGCBCS in Chemistry”	June 13, 2019	Gauhati University,
6	Workshop on “ICT in Management of Education”	September 3-6, 2019	Chaiduar College, Gohpur
7	Workshop on “Introduction to Gaussian: Theory and Practice”	January 8-12, 2018	SCUBE Scientific Software Solution (P), New Delhi,
8	Faculty Development Programme on “ICT Tools for Classroom Teaching”	July 01-06, 2017	Chaiduar College, Gohpur
9	Workshop on “Empowering Teaching/Learning Through ICT in Higher education”	January 23, 2014	Chaiduar College, Gohpur
10	XIV School on “Neutrons As Probes of Condensed Matter”.	February 4-8, 2014	BARC-Mumbai
11	Workshop on “Quality Assurance in ODL: The Role of Student Support Services”,	March 30-31, 2013	Gauhati University
12	Workshop on “Basic Principles of Transmission Electron Microscopy and its Application in Material Science”	March 13-15, 2012	SAIF-NEHU, Shillong
13	Workshop on “Procedure & Applications of XRD & XRF”	May 5-6, 2011	Gauhati University
14	Workshop “Research Methodology for Research Scholars (Science & Mathematics)”	September 13-17, 2010	NECRD-IGNOU, Guwahati
15	Training Workshop on “Popular Science Writing”	June 18, 2009	Assam Science Writers Association Venue: Chaiduar College, Gohpur
16	“Frontier Lecture Series”,	November 20-22, 2009	JNCASR-Bangalore Venue: Tezpur University
17	Pre-WORKSHOP “School on Theoretical Approaches in Catalysis”	December 19-20, 2009	Department of Chemistry, Gauhati University

18	“Workshop on Microscale Chemistry”	January 18, 2008	Department of Chemistry, Gauhati University
19	International Conference in Polymer Science & Technology (POLY-2008)	January 28-31, 2008	Asian Polymer Association (APA), New Delhi
20	Workshop on Statistical Data Analysis Using SPSS.	December 10-14, 2002	Department of Mathematics, Gauhati University
21	Workshop on Renewable Energy in North East India with special reference to Bioenergy Technology	September 4-5 1999	Handique Girls' College, Guwahati

Paper Presented in Seminar/Conference

Sl. No	Title of Paper Presented	Title of Conference/Seminar	Organised by
1.	A DFT Study of Some Pt(II)-Complexes With Dpb, Fdpb and F2dpb Ligands as Potent Anticancer Agents.	International Symposium on Emerging Trends on Chemical Sciences, ETCS-2023	NEHU-Shillong March 2-4, 2023
2	Structural Change in Some Aliphatic Alcohol-Water Complexes: A Quantum Mechanical MP4 Study	National Symposium on Recent Trends in Chemistry (RTC-2019)	NEHU-Shillong Oct 31-Nov 01, 2019
3	Synthesis and Characterization of polyaniline-Clay Nanocomposites in Presence of Dodecyl Sulphuric Acid	National School on “Sustainable Polymers” & First Symposium on Advances in Sustainable Polymers (ASP-14)	IIT-Guwahati January 06-09, 2014
4	Organically Modified Na ⁺ -montmorillonite and its Nanocomposites with Polyaniline	National Conference on “Frontiers in Chemical Sciences” (FICS-2012)	IIT-Guwahati December 2-3, 2012
5	Nanocomposites of CTAB Modified Montmorillonite with Dodecylsulphuric Acid Doped Polyaniline-Synthesis and Characterization.	National Seminar on Chemistry Education and research & National Convention of Chemistry Teachers (NCCT-12)	Gauhati University.
6	Polyaniline-Montmorillonite Nanocomposites in presence of Dodecylsulphuric Acid	National Seminar on Frontiers in Polymer Science	Himachal Pradesh University, November 18-19, 2011
7	Montmorillonite Nanocomposites of	International Conference on	Delhi

	Dodecylsulphuric Acid Doped Polyaniline	“Nanotechnology & Nanomaterials” (ICNANO)	University December 18-21, 2011
8	Synthesis, Characterisation and Conductivity Study of Polyaniline Doped with Cu ⁺² Ions	International Conference on Polymer Science and Engineering: Emerging Dimensions (PSE2010),	Panjab University, Chandigarh November 26-27, 2010
9	Synthesis and Characterization of Polyaniline Doped with Transition Metal Ions	55 th Technical Session of Assam Science Society.	Gauhati University, February 15, 2010
10	Studies on Semiconducting Properties of Hexamethylenetetramine-Halogen Charge Transfer Complexes	National Symposium on “Current Trends in Chemical Research”	Gauhati University February 27-28, 2004

Invited Talks Presented:

Sl. No.	Title of Lectures/Academic Session	Title of Conference/Seminar	Organised by
1	Polyaniline-Metal Oxide Nanocomposites	Emerging Trends In Chemical Sciences (ETCS- 2023)	<i>Department of Chemistry, Gauhati University</i>
2	Conductometric Titrations	Invited Talk, Gauhati University, January 19-20, 2011	Department of Chemistry, Gauhati University
3	Determination of Alkalinity of Water	Invited Talk, Gauhati University, September 2-3, 2010	Department of Chemistry, Gauhati University
4	Electro-Chemistry	Refresher Course in Chemistry for H.S. Chemistry Teachers September 02, 2004	Biswanath College, Chariali
5	Mathematics in day-to-day life	Popular Talk, AIR-Guwahati, January 10, 2000	Prasar Bharati-All India Radio-Guwahati
6	Non-Conventional Sources of Energy	Popular Talk-AIR-Guwahati December 14, 1998	Prasar Bharati-All India Radio-Guwahati

Institutional Responsibilities Undertaken:

- Examiner and Evaluator, Question Paper Setter, Moderator.
- Assistant Officer-in-Charge in GU end semester Examinations
- Internal Examiner/ External Examiner/Head Examiner.
- Participation in various student activities during college week/Freshmen Social.
- Head of the Department of Chemistry for 17 Years (14 years + 3 Years)
- Coordinator IDOL-Gauhati University.
- Nodal Officer NSDC (PMKVY)

Consultancy/Social Outreach/Extension Activities Undertaken:

Sl. No.	Title of the Activity	Nature of Involvement	Name of the Academic Body/Association	Year and Place of the Activity
1	Science Education in Schools September 30, 2000	Organiser, Science Exhibition.	Uttar Gohpur High School, Gohpur	July 17-19,2001
2	Golden Jubilee of MCD HS School, Barangabari, January 27-29, 1999.	Invited Resource Person	MCD HS School, Barangabari, Gohpur	July 03-05,1999
3	Innovative Science Teaching	Invited Resource Person	Jyoti Sangam-An NGO Narayanpur	January 04-11, 2001
4.	Innovative Science Teaching	Invited Resource Person	Assam Science Society, Gohpur Branch	October 03-10, 2002
5	Innovative Science Teaching	Invited Resource Person	Assam Science Society, Hawajan Branch	June 11-28, 2002
6.	Interactive HIV/AIDS Awareness Programme	Invited Resource Person	National Institute of Open Schooling, A.I. No 0209, Gohpur	December 08,2012
7	17 th Chemistry Olympiad	Centre-in-Charge	Chaiduar College, Gohpur	November 11, 2018
8	Popular talk on Science and Miracles	Invited	Gopalpur HS School	November 2015

		Resource Person		
--	--	--------------------	--	--

Awards / Fellowships

Sl.No.	Name of the Award/Fellowship	Name of the Academic Body/Association	Year and Place of Award/Fellowship
1	Summer Research Fellowship	Indian Academy of Science, Indian National Science Academy (INSA)	2022
2	UGC Teacher Fellowship under Faculty Development Programme	University Grants Commission (UGC)	2009

Membership of Professional Bodies (if any):

1. Life Member of Assam Science Society
2. Life Member of Society for Chemical Education Assam.
3. Life Member of Assam Nepali Sahitya Sabha
4. Life Member of Asian Polymer Association.
5. Life Member of Indian Association of Chemistry Teachers