

Curriculum Vitae

- 1. Name** : Dr. Bidhan Chandra Samanta
2. Designation : Associate Professor in Chemistry
3. Institution : Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, WB-721425
4. Date of Birth : 06.11.1977
5. Gender : Male
6. Date of Joining : 19.12.2006
7. Teaching Experience : 16 YEARS in UG courses
8. Address for Correspondence : Serpuretoaribard, Ward No. -8, Contai, Purba Medinipur, West Bengal-721401, India
9. E-mail : bidhansamanta@yahoo.in
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11. Academic Qualification:



Name of Exam.	Board/University	Year of Passing	Division/Cla ss
M. P. (X)	W.B.B.S.E.	1994	1 st
H.S. (XII)	W.B.C.H.S.E.	1996	1 st
B.Sc.	Vidyasagar University	1999	1 st
M.Sc.	Vidyasagar University	2001	1 st
NET		2001	NA
GATE		2001	NA
Ph.D.	Vidyasagar University*	2008	

(* Research work done in Materials Science Centre, IIT, Kharagpur, India. **Title of the Thesis:** “Study of Mechanical and Thermal Properties of Modified Epoxy Networks and Modified Epoxy Based Composites with Poly (ethylene glycol) Based Toughening Agents”

12. Academic Details

- Associate Professor (December 2018-), Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India.
- Assistant Professor (Stage 3, December 2015-2018), Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India.
- Assistant Professor (Stage 2, December 2010-2015), Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India.
- Assistant Professor (Stage 1, December 2006-2010), Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India.
- Ph.D. (2008), Department of Chemistry and Chemical Technology, Vidyasagar University, Paschim Medinipur, West Bengal, India.
- Institute Fellow (January 2002-June 2002), Indian Institute of Technology, Kharagpur, West Bengal, India.

13. Scholarship and Award:

- ❖ **“Institute Scholarship”** from Indian Institute of Technology, Kharagpur, 2002.
- ❖ **“Best Paper Presentation Award”** in a National Seminar sponsored by Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal, India and organized by School of Applied Science & Humanities, Haldia Institute of Technology, Haldia in association with Indian Photobiology Society, Kolkata, Global Institute of Science & Technology, Haldia, Haldia Institute of Management, Haldia on “Recent Advances on Multifunctional Materials (RA2M-2017)” held on 3rd & 4th Feb. 2017 at Haldia Institute of Technology, Haldia, Purba Medinipur, West Bengal.
- ❖ **“Best Oral Presentation Award”** on 3rd Regional Science and Technology Congress (Western Region), 2018 held on December 20-21, 2018 jointly organized by Sidho-Kanho-Birsha University, Purulia and Department of Science and Technology and Biotechnology, Govt. of West Bengal, India.
- ❖ **“Outstanding Paper Award in Chemistry”** on 26th West Bengal State Science and Technology Congress, 2019 held on 28th Feb. & 1st March, 2019 and organised by Department of Science and Technology and Biotechnology, Govt. of West Bengal at Science City, Kolkata
- ❖ **“Best Faculty Award”** in the 1st International Scientist Awards on Engineering, Science and Medicine held on 14th & 15th Sep, 2019 Chennai, India, organized by VDGGOOD Professional Association, East Kandasampuram, Villupuram Tamil Nadu 606107, India.
- ❖ **“Bharat Jyoti Award”** presented by Dr Sasikalapushpa Ramaswami, Member of Parliament of India (Rajya Sabha) in a Seminar on “Economic Growth & National Integration held at New Delhi on 12/11/2021 and organized by India International Friendship Society.
- ❖ **“Best Researcher Award”** In the International Scientist Awards on Engineering, Science and Medicine, held on 31-Oct-2022, Online, India, Organized by VDGGOOD Professional Association.
- ❖ **“Certificate of Reviewing”** awarded since March 2022 (2 reviews) in recognition of the review contributed to the Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy journal.
- ❖ **“Certificate of Reviewing”** awarded since April 2022 (1 reviews) in recognition of the review contributed to the Chemical Data Collection journal.

❖ 14. MEMBERSHIP AND RECOGNITION:

- Indian Science Congress Association: Life Member
- The Society for Polymer Science: Life Member
- Emerald Literati Network*: Professional Member

(*A network of Author's Editors and Researchers, unique in academic publishing)

- Fellow of Indian Chemical Society: 2018

15. Research Guidance: One scholar has been awarded PhD degree under my co-supervision in the University of Kalyani. Seven scholars are now working in my lab under my supervision.

16. Research Interest: Polymer Toughening, Polymer Curing, Synthesis of Schiff Base Ligand and Transition Metal complexes, Antibacterial, Cytotoxicity, Photo catalytic and DNA/Protein binding studies

17. Number of Paper Published: 45 (National: 00/ International: 45)

Google Scholar link: <https://scholar.google.com/citations?user=8ryUAHYAAAAJ>

Number of Refresher Course/Orientation Programme attended:

Sl. No	Name of Refresher Course/Orientation Programme	Organizing Institute	Duration	Division/Class
i.	OP 81	C.U.	Nov. 16 – Dec. 14, 2009	1 st
ii.	RC in Chemistry	C.U.	Nov. 22 – Dec. 11, 2010	1 st
iii.	Recent Trends in Chemistry: Teaching and Research	C.U.	Aug 22-Sept 11, 2012	1 st
iv.	Environmental Science and Disaster Management	HRDC, Ranchi	June 08 – 28, 2018	1 st

18. Research Project:

Research Project Title	Period	Cost (Rs.)	Funding Agency	Type (Major/Minor)	Status (Completed / Ongoing)
Toughening of cured epoxy resin with some new toughening agents	1/4/09 to 31/3/11	1,12,500	UGC PSW-073/08-09 (ERO) dated January 27, 2009	Minor	Completed
Design and Synthesis of Metal–Organic Chelate Polymers	1/4/14 to 31/3/16	5,00,000	UGC PSW-131/13-14 (ERO) dated 18-Mar-14	Minor	Completed
A comparing study of synthetic fibers reinforced epoxy composite with locally available Areca nut & Mat stick natural fibers reinforced new elastomeric modified epoxy composite	31/1/19 to 30/1/22	1,35,000	Govt. of West Bengal Science & Technology and Biotechnology Department Memo No. 80(Sanc.)/ST/P/S&T/15G-3/2018 dated 31.01.2019	R & D	Ongoing

19. Number of Seminar organized (State / National / International):

Title of the Seminar/ Webinar	Status (State/National /International)	Duration	Organizing Institute	Collaborating Institute
Safe and Environment friendly Food Additives and Dyes	National	2 nd & 3 rd Feb, 2012	Department of Chemistry, Hijli College	Mugberia Gangadhar Mahavidyalaya
Water Pollution	State	18 th Jan, 2013	Department of Chemistry, Bajkul Milani Mahavidyalaya	Mugberia Gangadhar Mahavidyalaya
Organocatalysis: New Methodologies for Sustainable Chemistry	National	23 rd & 24 th March, 2013	Department of Chemistry, P. K. College Contai	Mugberia Gangadhar Mahavidyalaya
Environment Friendly Biodegradable Polymers: Present and Future	National	9 th & 10 th Sep. 2015	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	Hijli College
Fluorosis and Arsenicosis: A Global Problem	National	13 th & 14 th Sep. 2016	Department of Chemistry, P. K. College Contai	Mugberia Gangadhar Mahavidyalaya
“Green Engineering And Sustainable Development”	International	20 th & 21 st August, 2018	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	Indian Chemical Society, Kolkata
One day ICSSR Sponsored National Seminar on "Iswar Chandra Vidyasagar: A Great Social Reformer and Crusader of Women's Empowerment"	National	27 th September, 2019	Mugberia Gangadhar Mahavidyalaya	Centre for Knowledge, Ideas and Development Studies, Kolkata
Two Day National level Seminar cum Workshop on Environment friendly Sustainable Agriculture and IT college set up for	National	4 th & 5 th February, 2020	Research Cell, Mugberia Gangadhar Mahavidyalaya	Purba Medinipur District Farmers Welfare Association and IQAC, Mugberia Gangadhar Mahavidyalaya

rural Socio economic development				
“Development of New Trends of Scientific Research to combat COVID 19”	National (Virtual Platform)	20 th June, 2020	Research Cell, Mugberia Gangadhar Mahavidyalaya	Environmental Epigenomic Labs, Department of Environmental Science, University of Calcutta
“Strategies to Boost Immunity by Functional Foods to combat COVID 19”	International (Virtual Platform)	15 th July, 2020	Department of Nutrition, Mugberia Gangadhar Mahavidyalaya	Department of Food Processing and Nutrition, Mugberia Gangadhar Mahavidyalaya
“Recent Advances in Therapeutic Use of Chemical Compounds and Drug Delivery”	International Webinar	August 2, 2020	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	Department of Research Cell, Mugberia Gangadhar Mahavidyalaya
"Unemployment and Stress Management Issues in the wake of COVID 19"	National (Virtual Platform)	18 th July, 2020	NSS Cell, Mugberia Gangadhar Mahavidyalaya	Research Cell, Mugberia Gangadhar Mahavidyalaya
“Hospitality Management after COVID -19 Pandemic: Recovery & Mandatory Roadmap”	National (Virtual Platform)	21 st July, 2020	Department of Tourism & Hotel Management, Mugberia Gangadhar Mahavidyalaya	Research Cell, Mugberia Gangadhar Mahavidyalaya
“Sustainable Waste Recycling Towards Better Livelihood”	National (Virtual Platform)	31 st July, 2020	Department of Zoology, Mugberia Gangadhar Mahavidyalaya Under DBT star college strengthening Scheme (Govt. of India)	Department of Chemistry and Research Cell, Mugberia Gangadhar Mahavidyalaya
One Day National Webinar on Challenges in Higher	National (Virtual Platform)	10 th August, 2020	Department of Education, Mugberia Gangadhar	Department of Research Cell, Mugberia Gangadhar

Education in India during and after COVID-19 Pandemic			Mahavidyalaya	Mahavidyalaya
One day International Webinar on "Strengthening of mental health through Music and Yoga in Covid-19 pandemic"	International (Virtual Platform)	24 th August, 2020	Department of Music, Mugberia Gangadhar Mahavidyalaya	Department of Physical Education and Research Cell, Mugberia Gangadhar Mahavidyalaya
One day Webinar on "The Impact of Nanotechnology in our life"	National (Virtual Platform)	3rd July, 2021	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	-
A P C Ray Memorial Lecture on "Control Drug Delivery and Health Care"	National (Virtual Platform)	2nd August, 2021	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	-
DBT sponsored Two - Day Virtual National Conference on Recent Development of Chemical Research being implemented in Biology and Medicine	National (Virtual Platform)	2nd & 3rd November, 2021	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	DBT sponsored
One Day Workshop on "Conservation and Utilization of the Traditional Surface Water (Ponds/Rivers/Lakes) for Domestic Consumption"	National (Offline)	18/01/2022	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	-
Two day National Seminar on "Popularization of Mushroom's Cultivation, its Medicinal Values and Trade for Socio-economic development of Rural Areas"	National (Offline)	20.05.2022 & 21.05.2022	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	Funded by Department of Science & Technology and Biotechnology (DSTBT), Government of West Bengal (GoWB)
Two day Science	National (Offline)	18th and 19th	Department of	Sponsored by the

Academies' Lecture Workshop in "Emerging Trends of Research at the Interface of Chemical Sciences and Biology"		May, 2023	Chemistry, Mugberia Gangadhar Mahavidyalaya	three National Science Academies' - Indian Academy of Sciences (Bengaluru), Indian National Science Academy (New Delhi) and the National Academy of Sciences, India (Prayagraj).
A P C Ray Memorial Lecture on "PC Ray: A genius chemist who dreamed of a modern India"	National (Offline)	To be held on August 2, 2023	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	
Two-day SERB sponsored National Seminar on "Sustainable Development in Chemical Sciences"	National (Offline)	To be held on August 17 & 18, 2023	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya	Sponsored by SERB, Govt. of India

20.Number of Seminar Attended/Presented Paper/Poster Presentation:

Sl No	Name of the Seminar	Status (State/National/International)	Duration	Organizing Institute	Title of the Paper/Poster Presented
i.	<i>Structure Processing and Properties of Materials, SPPM2004</i>	<i>International</i>	<i>25-27, Feb. 2004</i>	Materials and Metallurgical Engineering Department, BUET, Dhaka, Bangladesh	“Toughening of Epoxy Resin Modified with Amine Terminated Poly (Ethylene Glycol) Benzoate (ATPEGB)”
ii.	<i>International Symposium on Advance Materials and Processing, ISAMAP2k4</i>	<i>International</i>	<i>6-8 Dec. 2004</i>	Materials Science Centre, IIT, Kharagpur	“Toughening of Epoxy Resin Modified with Amine Terminated Poly (Ethylene Glycol) Benzoate (ATPEGB)”
iii.	<i>2nd International Conference on Recent Advances in Composite Materials, ICRACM-2007</i>	<i>International</i>	<i>Feb. 20-23, 2007</i>	Institute of Technology, Banaras Hindu University, Department of Mechanical Engineering, Baranasi	“Mechanical and Thermal Studies of Liquid ATPEGB Modified Epoxy-Red Mud Waste Composites”
iv.	<i>Recent Trends in Separation of Bio – molecules</i>	National	<i>Sept. 24, 2010</i>	P. K. College, Contai, Purba Medinipur, West Bengal	Attended
v.	<i>Food Processing: Science, Technology & Self Employment</i>	National	<i>January 28 & 29, 2011</i>	P. K. College, Contai, Purba Medinipur, West Bengal	Attended
vi.	<i>Global Warming: Causes and Effects</i>	State	<i>Dec. 2, 2011</i>	do	Effects of Climate change on People and Environment caused by Global warming
vii.	<i>“Safe and Environment friendly Food Additives and Dyes”</i>	National	<i>2nd & 3rd Feb., 2012</i>	Hijli College, Kharagpur, Paschim Medinipur, West Bengal	Fresh and Unprocessed Foods: Safe for most, Dangerous for some
viii.	<i>Acharya Prafulla Chandra Ray: Tribute to a Bengali Chemist</i>	State	<i>March 16, 2012,</i>	<i>Vivekananda Mission Mahavidyalaya, Chaitanyapur, Purba</i>	Attended

	<i>in his 150th Birth Anniversary</i>			<i>Medinipur, West Bengal</i>	
ix	<i>Water Pollution</i>	State	<i>January 18, 2013</i>	<i>Bajkul Milani Mahavidyalaya, Kismat Bajkul, Purba Medinipur, West Bengal</i>	Attended
x	<i>Organocatalysis : New Methodologies for Sustainable Chemistry</i>	National	<i>March 23 & 24, 2013</i>	<i>P. K. College, Contai, Purba Medinipur, West Bengal</i>	“Recent Developments of Sustainable Strategies in Organocatalysis”
xi	<i>Safer Food - Better Health</i>	National	<i>Aug. 7th & 8th, 2013</i>	<i>P. K. College, Contai, Purba Medinipur, West Bengal</i>	Adverse Health Effects of Chemicals leaching from Plastic Food Containers
xii	<i>Chemistry and Its Interface with other Scientific Disciplines</i>	National	<i>December 12, 2014</i>	<i>Sitananada College, Nandigram, Purba Medinipur, West Bengal</i>	Poster entitled “Chemistry and Its Interactive Role as Creator and Enabler in Materials Science and Biology”
xiii	<i>Science for Sustainable Development</i>	International	<i>December 16-18, 2014</i>	<i>World Science Congress, 58/24, Prince Anwar Shah Road, Lake Gardens, Kolkata – 700 045, India</i>	Paper entitled “Review on Recent Sustainable Strategies in Organocatalysis”
xiv	<i>Food Processing, Preservations and Packaging</i>	National	<i>March 17-18, 2015</i>	<i>Department of Chemistry & Chemical Technology, Vidyasagar University, Paschim Medinipur, West Bengal, India</i>	Poster entitled “Safe Innovative Packages for Food”
xv	<i>NAAC Awareness Workshop-2015</i>	State Level	<i>April 1-2, 2015</i>	<i>Vidyasagar University in collaboration with NAAC, Bengaluru</i>	Attended
XVI	<i>Solar Photo-Voltaic Installation</i>	National	<i>June 17 & 18th, 2015</i>	<i>P. K. College, Contai, Purba Medinipur, West Bengal</i>	Attended
XVII	<i>The Importance</i>	National	<i>Sept. 7 & 8,</i>	<i>Department of</i>	Attended

	<i>of Intermolecular Interaction in Solid-state X-ray Crystal Structures</i>		2015	<i>Physics, Mugberia Gangadhar Mahavidyalaya Bhupatinagar, Purba Medinipur, West Bengal</i>	
XVII I	<i>Recent Trend in Bio-Mathematical Modeling Under Uncertain Environment</i>	National	Sept. 11&12, 2015	<i>Department of Mathematics, Mugberia Gangadhar Mahavidyalaya Bhupatinagar, Purba Medinipur, West Bengal</i>	Attended
XIX	<i>International Conference on Recent Trends in Energy Technologies (ICRTET- 2016)</i>	<i>International</i>	<i>January 21-23, 2016</i>	<i>HRC- IICHe, Haldia Institute of Technology, Haldia, India</i>	Paper entitled "Biomass – A Great Promise to Renewable Energy Source"
XX	<i>Science Academies' Lecture Workshop on Chemistry and Biology Interface</i>	<i>National</i>	<i>April 21-22, 2016</i>	<i>Department of Chemistry & Chemical Technology, Vidyasagar University, Paschim Medinipur, West Bengal, India</i>	Attended
XXI	<i>Recent Trends in Research in Chemical Sciences</i>	<i>National</i>	<i>August 30, 2016</i>	<i>Department of Chemistry, Ghatal R. S. Mahavidyalaya, Ghatal, Paschim Medinipur</i>	Poster entitled "Curing and Toughening study of Epoxy Resin with Amine Functional Polymers"
XXII	<i>The Basics of Fluorescence with its Present-Day application</i>	<i>National</i>	<i>October 4th & 5th 2016</i>	<i>Department of Chemistry & Physics, Bajkul Milani Mahavidyalaya, Bajkul, Purba Medinipur</i>	Paper entitled "Use of Fluorescence Spectroscopy in the Interaction Study of DNA with Transition Metal Complexes"
XXII I	UGC sponsored National Seminar on God and the Universe: Religious and	<i>National</i>	<i>Nov. 22 & 23, 2016</i>	<i>Department of Sanskrit, Mugberia Gangadhar Mahavidyalaya</i>	Paper entitled "Fine Tuning of the Universe: The most powerful argument for the existence of God"

	Scientific Approaches				
XXI V	National Level Seminar on Higher Education in India: Road Ahead	National	19 th November, 2016	Department of Adult, Continuing Education & Extension, Jadavpur University, Kolkata in collaboration with WBCUTA	Attended
XXV	National Seminar on Science and Technology for National Development in India	National	December 12 & 13, 2016	ISCA Bhubaneswar Chapter & KIIT University, Bhubaneswar	Poster entitled "Synthesis, characterization and curing reaction of amine functional aniline acetaldehyde condensate along with mechanical and thermal evaluation of cured matrix"
XXV I	104 th Indian Science Congress	National	January 3-7, 2017	S. V. University, Tirupati, India	Attended
XXV II	International Conference on Emerging Materials	International	April 20-21, 2017	Department of Chemistry & Chemical Technology, Vidyasagar University	Poster entitled Amine Functional Aniline Furfuraldehyde Condensate (AFAFFC) – an effective toughening material for epoxy composite
XXV III	One Day State Level Workshop on CAS for College and University Teachers"	State level	7 th July, 2018	WBCUTA, Purba Medinipur District Committee	Attended
XXI X	International Seminar on Multidimensional Approach for Academic Accomplishment of Physical Education as a true Profession	International	13 th and 14 th July 2018	Department of Physical Education, Mugberia Gangadhar Mahavidyalaya in collaboration with IQAC	Paper entitled "Chemical and Physiological Concepts to handle pH changes in Blood during Exercise"
XXX	One Day National Seminar on	National	28 th August 2018	Dept. of Zoology, Mugberia	Attended

	<i>Environmental Hazards and Waste Management</i>			<i>Gangadhar Mahavidyalaya</i>	
XXX I	<i>One Day National Seminar on Higher Education in India: Contemporary Issues – Tasks Ahead</i>	<i>National</i>	<i>6th October, 2018</i>	<i>WBCUTA, Murshibad District Committee</i>	<i>Attended</i>
XXX II	<i>A Ten to Five Interactive Session on West Bengal Government Health Scheme for the beneficiaries of Grant-in-Aid Colleges and Universities & UGC Gazette Notification, July 2018 on Appointment and CAS</i>	<i>State level</i>	<i>October 11, 2018</i>	<i>WBCUPA</i>	<i>Attended</i>
XXX III	<i>NAAC sponsored National Seminar on ICT</i>	<i>National</i>	<i>5th December 2018</i>	<i>IQAC, Mugberia Gangadhar Mahavidyalaya</i>	<i>Paper entitled “Plagiarism what it is and how to avoid it”</i>
XXX IV	<i>Special Lecture on Therapeutic Strategy to prevent Neurodegeneration</i>	<i>National</i>	<i>25th February, 2019</i>	<i>Department of Chemistry, Egra S. S. B. College in collaboration with Department of Chemistry, Belda College</i>	<i>Attended</i>
XXX V	<i>International Symposium on Recent Advances in Chemistry and Materials Sciences (2019) and The Celebration of the</i>	<i>International</i>	<i>August 02 & 03, 2019</i>	<i>Indian Chemical Society and Chemical Sciences Division, Saha Institute of Nuclear Physics, Kolkata</i>	<i>Presented a paper entitled “Crystal Structure Elucidation, DNA interaction, Antibacterial and Cell Viability studies of Cu(II) and Ni(II) complexes derived from tridentate Schiff</i>

	<i>International Year of the Periodic Table</i>				<i>base ligand”</i>
XXX VI	<i>107th Indian Science Congress</i>	<i>National</i>	<i>January 3-7, 2020</i>	<i>University of Agricultural Sciences, Bangalore, India</i>	<i>Presented a paper entitled “A binuclear chloride bridged Cu(II) complex with a NN bidentate Schiff base ligand and a mononuclear Ni(II) complex with a NNN tridentate Schiff base ligand: Synthesis, structure antibacterial and cytotoxic activity”</i>
XXX VII	<i>IIC Online Sessions</i>	<i>National (Virtual Platform)</i>	<i>28th April to 22nd May, 2020</i>	<i>Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi</i>	<i>Attended</i>
XXX VIII	<i>International Webinar on Recent Advances of Sensors: Bio-sensing for COVID-19 Kits and Spectroscopic Tools for Detection of Toxic Metals</i>	<i>International (Virtual Platform)</i>	<i>30th June, 2020</i>	<i>Department of Chemistry & IQAC, Asansol Girls' College</i>	<i>Attended</i>
XXX IX	<i>Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 – Part-I</i>	<i>National (Virtual Platform)</i>	<i>21st August, 2020</i>	<i>India Alliance</i>	<i>Attended</i>
XXX X	<i>one day National Webinar “Vaccine Basics and COVID-19 Vaccine – An Update”</i>	<i>National (Virtual Platform)</i>	<i>26th August, 2020</i>	<i>Dept. of Nutrition, in collaboration with Dept. of Food Processing and Research Cell of Mugberia Gangadhar Mahavidyalaya</i>	<i>Attended</i>
XXX XI	<i>One Day State Level Webinar</i>	<i>State Level (Virtual)</i>	<i>29th August, 2020</i>	<i>Women Cell in collaboration</i>	<i>Attended</i>

	<i>On "Women and the Pandemic"</i>	<i>Platform)</i>		<i>with IQAC, Mugberia Gangadhar Mahavidyalaya</i>	
XXX XII	<i>Three Days International Webinar On "Mathematical Modelling In The Context Of Covid-19"</i>	<i>International (Virtual Platform)</i>	<i>30th, 31st August and 1st September, 2020</i>	<i>Department of Mathematics, Mugberia Gangadhar Mahavidyalaya</i>	<i>Speech from the desk of Coordinator, Research Cell in the opening session.</i>
XXX XIII	<i>Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 – Part-II</i>	<i>National (Virtual Platform)</i>	<i>10th September, 2020</i>	<i>India Alliance</i>	<i>Attended</i>
XXX XIV	<i>One Day National Level Webinar on "Recent Trends and Developments in Chemistry"</i>	<i>National (Virtual Platform)</i>	<i>10th September, 2020</i>	<i>Department of Chemistry & IQAC, Kalna College, Kalna, Purba Bardhaman, West Bengal</i>	<i>Attended</i>
XXX XV	<i>One Day National Webinar on Recent Advances in Fluorescence Spectroscopy</i>	<i>National (Virtual Platform)</i>	<i>23rd September, 2020</i>	<i>Department of Chemistry, Vidyasagar University, Midnapore- 721102 and Chemical Research Society of India, Kharagpur Chapter, West Bengal</i>	<i>Attended</i>
XXX XVI	<i>STATE LEVEL WEBINER on "THE BHARATIYA NITITATTA O BARTAMAN SAMAJ"</i>	<i>State Level (Virtual Platform)</i>	<i>30th September, 2020</i>	<i>Department of Philosophy, Mugberia Gangadhar Mahavidyalaya</i>	<i>Attended</i>
XXX XVII	<i>STATE LEVEL WEBINER on "Intellectual Property Rights: In the context of Developing</i>	<i>State Level (Virtual Platform)</i>	<i>5th October, 2020</i>	<i>Department of Commerce in collaboration with IQAC, Mugberia Gangadhar</i>	<i>Attended</i>

	<i>Countries</i>			<i>Mahavidyalaya</i>	
XXX XVII I	<i>Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 – Part-III</i>	<i>National (Virtual Platform)</i>	<i>15th October, 2020</i>	<i>India Alliance</i>	<i>Attended</i>
XXX XIX	<i>One Day International Webinar on “COMBATING CORONA VIRUS THROUGH THE ANCIENT MEDICAL SCIENCE OF AYURVEDA”</i>	<i>International (Virtual Platform)</i>	<i>18th October, 2020</i>	<i>Department of Sanskrit in collaboration with IQAC and Research Cell, Mugberia Gangadhar Mahavidyalaya</i>	<i>Speech from the desk of Coordinator, Research Cell in the opening session</i>
XXX XX	<i>Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 – Part-IV</i>	<i>National (Virtual Platform)</i>	<i>19th November, 2020</i>	<i>India Alliance</i>	<i>Attended</i>
XXX XXI	<i>National Webinar On CRITICAL REVIEW ON NATIONAL EDUCATION POLICY 2020 WITH SPECIAL REFERENCE TO SCOPE OF PHYSICAL EDUCATION</i>	<i>National (Virtual Platform)</i>	<i>19th November, 2020</i>	<i>IQAC in collaboration with Department of Physical Education, Mugberia Gangadhar Mahavidyalaya</i>	<i>Attended</i>
XXX XXII	<i>Webinar on India – EMBO Lecture Courses</i>	<i>National (Virtual Platform)</i>	<i>December 15, 2020</i>	<i>India Alliance</i>	<i>Attended</i>

21. Invited Talks/Chair Person

- i. National Seminar on “Safe and Environment Friendly Food Additives and Dyes” held on 2nd & 3rd Feb. 2012 at Hijli College, Kharagpur, Paschim Medinipur, West Bengal.
- ii. One day programme on “New trends in research methodology” held on 14.10.2015 at Hijli College, Kharagpur, Paschim Medinipur, West Bengal.
- iii. National Seminar on “Fluorosis and Arsenicosis: A Global Problem” held on 13th & 14th Sep. 2016 at P. K. College, Contai, Purba Medinipur, West Bengal.
- iv. Acted as Chair Person in the Departmental Seminar on Multidisciplinary Approach of Physical Education in 21st Century organized by Department of Physical Education, Mugberia Gangadhar Mahavidyalaya for the Session 2017-18.
- v. Invited Talk on “Green Campus Concept” at Meghnad Saha Auditorium in a one day workshop organized by Research Fellows’ Association, Saha Institute of Nuclear Physics, Kolkata on 21st January, 2020.
- vi. Acted as a Chairperson in three Days International Webinar On “Mathematical Modeling in the Context of Covid-19” held at Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India on 30th, 31st August and 1st September, 2020.
- vii. Acted as Resource Person in DBT sponsored Two - Day Virtual National Conference on Recent Development of Chemical Research being implemented in Biology and Medicine organized by Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal, India held on 2nd and 3rd November, 2021.
- viii. Chaired an Invited Lecture in “Sustainability & Interdisciplinary in Chemical Sciences” (SICS 2023) Conference held at IISER Kolkata during July 13-15, 2023

22. Number of Book Published /Edited Books:

Sl No	Title of the Book published	Year of Publication	Name of the Publisher	ISBN No.
i.	“Safe and Environment friendly Food Additives and Dyes”	2012	Readers Service, Kolkata - 700075	ISBN 978-81-87891-53-6
ii	“Toughening of Epoxy Networks by Some New Synthesized Toughening Agents”	2014	Scholar’s Press, Germany	ISBN 978-3-639-71147-9
iii	“Environment Friendly Biodegradable Polymers: Present and Future”	2016	Mallick Book Centre, Kolkata-73	ISBN : 978-81-926694-0-3
iv	Fluorosis and Arsenicosis: A Global Problem	2016	Nectar Kolkata-06	978-93-84241-08-7
v	Susanhata Krishi Surakshay Kencho Jaibasar	2018	Levant Books India	978-93-88069-10-6

vi	Green Engineering and Sustainable Development	2020	Narosa Publishing House New Delhi Chennai Mumbai Kolkata	978-81-8487-715-1
vii	Recent Advancement in Therapeutic Use of Chemical Compounds and Drug Delivery	2021	Walnut Publication Bhubaneswar, New Delhi, London	978-93-9078-516-2
Viii	Recent Development of Chemical Research being Implemented in Biology and Medicine	2021	Walnut Publication Bhubaneswar, New Delhi, London	978-93-5574-019-9
ix	Edible Mushroom: Type, Spawn production, cultivation and Health care application	2022	Walnut Publication Bhubaneswar, New Delhi, London	978-93-5574-377-0
x	Organic Farming: Potential Way to Sustain Eco-friendly Ecology of Environment	2022	Levant Books 27C Creek Row, Kolkata 700 014, India	978-93-91741-18-1
xi	Reflection (A Yearly Publication of Science Departments, Mugberia Gangadhar Mahavidyalaya)	2023	Walnut Publication Bhubaneswar, New Delhi, London	9788119232796

23. Number of Book Chapter published:

- i) "Fresh and Unprocessed Foods: Safe for most, Dangerous for some"-B. C. Samanta in "Safe and Environment friendly Food Additives and Dyes" published by Readers Service, Kolkata – 700075 (ISBN 978-81-87891-53-6)(2012).
- ii) "Adverse Health Effects of Chemicals leaching from Plastic Food Containers"-B. C. Samanta and T. Maity in "Safer Food - Better Health" published by Readers Service, Kolkata – 700075 (ISBN 978-93-82623-15-1) (2013).
- iii) "Use of Water as one of the Greener Alternatives in Organocatalysis"- B. C. Samanta and T. Maity in "Organocatalysis: New Methodologies for Sustainable Chemistry" published by Readers Service, Kolkata – 700075 (ISBN 978-93-82623-44-1) (2015).
- iv) "Progress Made in the Development of Biodegradable Polymer Materials" – B. C. Samanta in "Environment Friendly Biodegradable Polymers: Present and Future" published by Mallick Book Centre, Kolkata-73, (ISBN: 978-81-926694-0-3) (2016).
- v) "Curing and Toughening study of Epoxy Resin with Amine Functional Polymers"- K. Jana, T. Maity, B. C. Samanta* in "Recent Trends in Research in Chemical Sciences" published by Ghatal R. S. Mahavidyalaya, Paschim Medinipur - 721212 (ISBN: 978-93-5267-187-8) (2016).
- vi) "Vermicompost: The Queen of Compost" – B. C. Samanta, in "Susanhata Krishi Surakshay Kencho Jaibasar", Published by Levant Books India, (ISBN: 978-93-88069-10-6) (2018).
- vii) "Incorporation of elastomeric secondary phase into epoxy matrix influences mechanical properties of epoxy coatings"- B. C. Samanta and T. Maity in "Handbook of Modern Coating Technologies Fabrication Methods and Functional Properties" (Volume 1), Published by Elsevier (ISBN: 978-0-444-63240-1).

24. Total Publications:

- i) In Peer – reviewed international journals: 45
ii) In Proceedings of International Conferences: 05

25. List of Publications:

A) In Peer-reviewed journals

Sl No	Title of the Paper Published	Volume/ Year/Page No	Name of the Journal	Name of the Publisher	Impact Factor
1	Amine Terminated Poly (Ethylene Glycol) Benzoate Modified Epoxy Networks B. C. Samanta , T. Maity, S. Kar and A. K. Banthia	34(1), 4-11 (2005)	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
2	Toughened Epoxy with Amine Functional Aniline Formaldehyde Condensate (AFAFC) T. Maity, B. C. Samanta , S. Dalai and A. K.	35 (1), 12-21 (2006)	do	do	do

	Banthia				
3	“Synthesis, Characterization and Curing Studies of {2, 6 – Bis – [2 – (bis – oxiranylmethyl - amino) – methylbenzyl] - phenyl} – bis-oxiranylmethylamine (BPBOMA)” T. Maity, B. C. Samanta , S. Dalai and A. K. Banthia	101 (5), 3168-3174 (2006)	<i>Journal of Applied Polymer Science</i> Print ISSN: 0021 -8995 Online ISSN : 1097-4628	Wiley	1.600
4	Amine-terminated Poly (ethylene glycol) benzoate (ATPEGB) Modified Epoxy: Mechanical and Thermal Properties B. C. Samanta , T. Maity, S. Dalai and A. K. Banthia	20 (6), 491-502 (2006)	<i>Journal of Adhesion Science and Technology</i> ISSN: 0169 4243 Online ISSN: 1568-5616	Taylor & Francis	1.365
5	Mechanical properties of modified epoxy: Effect of chain length B. C. Samanta , T. Maity, S. Dalai and A. K. Banthia	35 (4), 216-223 (2006).	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
6	Synthesis, Characterization and Curing Studies of BCCOMB T. Maity, B. C. Samanta , S. Dalai and A. K. Banthia	36 (1), 30-38 (2007)	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
7	Curing Study of Epoxy Resin by New Aromatic Amine Functional Curing Agents along with Mechanical and Thermal Evaluation T. Maity, B. C. Samanta , S. Dalai, A. K. Banthia	464 (1-2), 38-46 (2007)	<i>Materials Science and Engineering A</i> ISSN: 0921-5093	Elsevier	4.652
8	Toughening of epoxy resin with amine functional aniline acetaldehyde condensate T. Maity, B. C. Samanta , S. Dalai, A. K. Banthia	47 (10), 1695-1702 (2007)	<i>Polymer Engineering and Science</i> Online ISSN:1548-2634	Wiley	1.917
9	Toughening of Epoxy Resin with Solid Amine Terminated Poly (ethylene glycol) benzoate and Effect of Red Mud Waste Particles on it B. C. Samanta , T. Maity, S. Dalai, A. K. Banthia	24 (02), 272-278 (2008)	<i>Journal of Materials Science and Technology</i> ISSN: 1005-0302	Elsevier	6.155
10	Influences of Amine Terminated Oligomers on Glass Fiber-Epoxy Composite B. C. Samanta , T. Maity, S. Dalai, A. K. Banthia	37(1), 3-8 (2008).	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
11	Amine functional chloroaniline acetaldehyde	110 (6), 3717-	<i>Journal of</i>	Wiley	1.600

	condensate modified epoxy networks T. Maity, B. C. Samanta , A. K. Banthia	3726 (2008)	<i>Applied Polymer Science</i> Print ISSN: 0021-8995 Online ISSN : 1097-4628		
12	Modification of cured epoxy with amine functional chloroaniline formaldehyde condensate Tithi Maity, Bidhan Samanta , A. K. Banthia	38 (3), 143-152 (2009)	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
13	Amine functional aniline furfuraldehyde condensate cured epoxy resin Tithi Maity, Bidhan Samanta	38 (5), 285-289 (2009)	do	do	do
14	Effect of modifier and filler concentration on properties of epoxy-red mud waste composite Bidhan Samanta , Tithi Maity	38 (6), 380-386 (2009).	do	do	do
15	Modification of Glass Fiber-Reinforced Epoxy with Amine Functional Aniline Formaldehyde Condensate (AFAFC) T. Maity, B. C. Samanta	24 (6), 1031-1043 (2010).	<i>Journal of Adhesion Science and Technology</i> ISSN: 0169-4243 Online ISSN: 1568-5616	Taylor & Francis	1.365
16	Synthesis, characterisation, curing reaction of aniline acetaldehyde condensate with epoxy resin T. Maity, B. C. Samanta , A. K. Banthia, S. Dalai	40(5), 285-291, (2011).	<i>Pigment and Resin Technology</i> ISSN: 0369-9420	Emerald	0.616
17	Effectiveness of amine functional aniline furfuraldehyde condensate as toughening agent for epoxy resin B. C. Samanta , T. Maity	41 (6), 344-350 (2012).	do	do	do
18	Curing study and evaluation of epoxy resin with amine functional chloroaniline acetaldehyde condensate T. Maity, B. C. Samanta	44(1), 19-25, (2015).	do	do	do
19	Effect of Red Mud Waste Filler on Mechanical and Thermal Properties of Amine Functional Aniline Furfuraldehyde Condensate (AFAFFC) Modified Epoxy Composite T. Maity, B. C. Samanta	45(3), 184-190, (2016).	do	do	do
20	Octahedral Ni(II) complex with new NNO donor Schiff base ligand: Synthesis, structure and Hirshfeld surface Kalyanmoy Jana, Tithi Maity, Subhas	1130, 844-854, (2017)	<i>Journal of Molecular Structure</i> ISSN: 0022-	Elsevier	2.463

	Chandra Debnath, Bidhan Chandra Samanta* and Saikat Kumar Seth*		2860		
21	Square pyramidal copper(II) complex with Schiff base ligand: synthesis, crystal structure, antibacterial and DNA interaction studies Kalyanmoy Jana, Tithi Maity, Tufan Singha Mahapatra, Pradeep Kumar Das Mohapatra, Subhas Chandra Debnath, Somnath Das, Maidul Hossain*, Bidhan Chandra Samanta*	42, 69-78, (2017)	Transition Metal Chemistry ISSN: 0340-4285 (Print) 1572-901X (Online)	Springer	1.465
22	Synthesis, structure and biological properties of a Co(II) complex with tridentate Schiff base ligand. Kalyanmoy Jana, Tithi Maity, Somnath Das, Maidul Hossain, Subhas Chandra Debnath, Bidhan Chandra Samanta*, Saikat Kumar Seth*	71, 1-13 (2018)	Journal of co-ordination Chemistry ISSN: 00958972, Online ISSN: 1029-0389	Taylor and Francis	1.795
23	Quantifying conventional C-H... π (aryl) and unconventional C-H... π (chelate) interactions in dinuclear Cu(II) complexes: Experimental observations, Hirshfeld surface and theoretical DFT study Tithi Maity, Haridas Mandal, Antonio Bauza, Bidhan Chandra Samanta*, Antonio Frontera*, Saikat Kumar Seth*	42, 10202-10213 (2018)	New Journal of Chemistry ISSN: 1144-0546 (print); 1369-9261 (web)	RSC	3.288
24	Supramolecular self-assembly, DNA interaction, antibacterial and cell viability studies of Cu(II) and Ni(II) complexes derived from NNN donor Schiff base ligand Kalyanmoy Jana, , Somnath Das, Horst Puschmann, Subhas Chandra Debnath, Aparna Shukla, Arun K Mahanta, Maidul Hossain*, Tithi Maity*, Bidhan Chandra Samanta*	487, 128-137 (2019)	Inorganica Chimica Acta ISSN: 0020-1693	Elsevier	2.304
25	Developing Novel Zinc(II) and Copper(II) Schiff Base Complexes: Combined Experimental and Theoretical Investigation on Their DNA/Protein Binding Study and Anticancer Activity Manik Das, Somali Mukherjee*, Biplab Koley, Indranil Choudhuri, Nandan Bhattacharyya, Pritam Roy, Bidhan Chandra Samanta, Manas Barai and Tithi Maity*	44, 18347-18361 (2020)	New J. Chem., ISSN: 1144-0546 (print); 1369-9261 (web)	RSC	3.288
26	A binuclear chloride bridged Cu(II) and a mononuclear Ni(II) complex: Synthesis, crystal structure, photo catalytic and biological studies Kalyanmoy Jana, Ribhu Maity, Horst Puschmann, Anindita Mitra, Rita Ghosh,	515, 120067-120078 (2021)	Inorganica Chimica Acta ISSN: 0020-1693	Elsevier	2.304

	Subhas Chandra Debnath, Aparna Shukla, Arun Kumar Mahanta, Tithi Maity*, Bidhan Chandra Samanta*				
27	Active Bromoaniline–Aldehyde Conjugate Systems and Their Complexes as Versatile Sensors of Multiple Cations with Logic Formulation and Efficient DNA/HSA-Binding Efficacy: Combined Experimental and Theoretical Approach Manik Das, Somali Mukherjee,* Paula Brandao, Saikat Kumar Seth, Santanab Giri, Soumya Sundar Mati, Bidhan Chandra Samanta, Soumik Laha, and Tithi Maity*	6, 3659–3674, (2021)	ACS Omega ISSN: 2470-1343 (print); 2470-1343 (web)	ACS	3.512 (2020)
28	Piperidine based effective chemosensor for Zn(II) with the formation of binuclear Zn complex having specific Al(III) detection ability in aqueous medium and live cell images Manik Das, Biplab Koley, Uttam Kumar Das, Arijit Bag, Soumik Laha, Bidhan Chandra Samanta, Indranil Choudhuri, Nandan Bhattacharyya, Tithi Maity	415 , 113302, (2021)	Journal of Photochemistry & Photobiology , A: Chemistry ISSN: 1010-6030	Elsevier	4.291 (2020)
29	"Exploring the Non-covalent Interactions of Dinuclear Cu(II) Schiff Base Complex With Bovine Serum Albumin and Cell Viability Against SiHa Cancer Cell Line" Ribhu Maity, Nayim Sepay*, Ushasi Pramanik, Kalyanmoy Jana, Saptarshi Mukherjee, Swapan Maity, Dasarath Mal, Tithi Maity, Bidhan Chandra Samanta*	125, 11364-11373 (2021)	The Journal of Physical Chemistry B ISSN: 1520-6106 (print); 1520-5207 (web)	ACS	2.991 (2020)
30	Copper(II) Complexes with NNN and NNO Schiff Base Ligands as Efficient Photodegradation Agents for Methylene Blue, Preferential BSA Binder and Biomaterial Transplants Kalyanmoy Jana, Ushasi Pramanik, Kapil S. Ingle, Ribhu Maity, Saptarshi Mukherjee, Susanta K. Nayak, Subhas Chandra Debnath, Tithi Maity, Swapan Maity, Bidhan Chandra Samanta*	422, 113565 (2022)	Journal of Photochemistry & Photobiology , A: Chemistry ISSN: 1010-6030	Elsevier	4.291 (2020)
31	Development of DNA Intercalative, HSA Binder Pyridine Based Novel Schiff Base Cu(II), Ni(II) Complexes with Effective Anticancer Property: A Combined Experimental and Theoretical Approach Dibyendu Satapathi, Manik Das, Karunamoy Rajak, Indranil Choudhuri, Nandan Bhattacharyya, Sinjan Das, Bidhan Chandra Samanta, Soumik Laha, Dr. Md. Maidul Islam, Tithi Maity *	36 (1), e6473 (2022)	Applied Organometallic Chemistry ISSN: 1099-0739	Wiley	3.581 (2017)

32	Effect of ancillary ligand on DNA and protein interaction of the two Zn (II) and Co (III) complexes: experimental and theoretical study Manik Das, Paola Brandao, Soumya Sundar Mati, Saikat Roy, Anakuthil Anoop, Anjima James, Susmita De, Uttam Kumar Das, Soumik Laha, Jisu Mondal, Bidhan Chandra Samanta & Tithi Maity	40, 14188-14203 (2022)	Journal of Biomolecular Structure and Dynamics Print ISSN: 0739-1102 Online ISSN: 1538-0254	Taylor & Francis	3.310 (2018)
33	Hydrophobicity induced DNA, BSA binding and biomaterial applications of a heteroleptic Cu(II) complex Prasun Acharya, Ribhu Maity, Arun Kuila, Tithi Maity, Swapan Maity, Nayim Sepay*, Bidhan Chandra Samanta*	36 (5), e6640 (2022)	Applied Organometallic Chemistry ISSN: 1099-0739	Wiley	3.581 (2017)
34	Easy, Selective and Colorimetric Detection of Zn(II), Cu(II), F- Ions by a New Piperazine Based Schiff Base Chemosensor along with Molecular Logic Gate Formation and Live Cell Images Study, Pranabendu Das, Swati Singh Rajput, Manik Das, Soumik Laha, Indranil Choudhuri, Nandan Bhattacharyya, Arindam Das, Bidhan Chandra Samanta, Md. Mehboob Alam, Tithi Maity	427, 113817 (2022)	Journal of Photochemistry & Photobiology, A: Chemistry ISSN: 1010-6030	Elsevier	4.291 (2020)
35	Significant photodegradation of carcinogenic organic dyes by 1D supramolecular heteroleptic Cu (II) complex on sunlight irradiation Arun Kuila, Ribhu Maity, Prasun Acharya, Paula Brandão, Tithi Maity, Nayim Sepay, Bidhan Chandra Samanta*	46, 11804-11811 (2022)	New Journal of Chemistry ISSN : 1144-0546 (print); 1369-9261 (web)	RSC	3.288
36	Development of moderately fluorescence active salen type chemosensor for judicious recognition and quantification of Zn(II), Al(III) and SO ₄ ⁼ : Demonstration of molecular logic gate formation and live cell images studies Susmita Das, Manik Das, Soumik Laha, Karunamoy Rajak, Indranil Choudhuri, Nandan Bhattacharyya, Bidhan Chandra Samanta, Tithi Maity	1263, 133214 (2022)	Journal of Molecular Structure ISSN: 0022-2860	Elsevier	3.196 (2020)
37	Response of Ancillary Azide Ligand in Designing a 1D Copper(II) Polymeric Complex along with the Introduction of High DNA- and HAS-Binding Efficacy, Leading to Impressive Anticancer Activity: A Compact Experimental and Theoretical Approach Manik Das, Somali Mukherjee, Md. Maidul Islam, Indranil Choudhuri, Nandan Bhattacharyya, Bidhan Chandra Samanta, Basudeb Dutta, and Tithi Maity	7, 27, 23276-23288 (2022)	ACS Omega ISSN: 2470-1343 (print); 2470-1343 (web)	ACS	3.512 (2020)

38	Synthesis, characterization and multi-dimensional application approach for two distinctive tetra nuclear, first-time reported, Fe ³⁺ /Hg ²⁺ and Fe ³⁺ /Cd ²⁺ clusters from a new Fe ³⁺ containing metalloligand Soumik Laha, Dibyendu Sathapathi, Mainak Das, Manik Das, Partha Pratim Ray, Arijit Bag, Bidhan Chandra Samanta, Uttam Kumar Das, Tithi Maity	46 16730-16742 (2022)	New Journal of Chemistry ISSN : 1144-0546 (print); 1369-9261 (web)	RSC	3.288
39	Synthesis and crystal structures of two tri- and tetra-heterometallic Ni(II)–Mn(II)/Ni(II)–Co(III) complexes from two different Ni(II)-containing metalloligands: effective catalytic oxidase activity and Schottky device approach Manik Das, Mainak Das, Subham Ray, Uttam Kumar Das, Soumik Laha, Partha Pratim Ray, Bidhan Chandra Samanta, Tithi Maity	46 21103-21114 (2022)	New Journal of Chemistry ISSN : 1144-0546 (print); 1369-9261 (web)	RSC	3.288
40	Biophysical insights into the binding capability of Cu (II) schiff base complex with BSA protein and cytotoxicity studies against SiHa Minakshi Maity, Ushasi Pramanik, Venkatesha R Hathwar, Paula Brandao, Saptarshi Mukherjee, Swapan Maity, Ribhu Maity, Tithi Maity, Bidhan Chandra Samanta	8 e11345 (2022)	Heliyon	Science Direct (Cell Press)	3.776 (2022)
41	DNA/Protein Binding and Apoptotic-Induced Anticancer Property of a First Time Reported Quercetin–Iron(III) Complex Having a Secondary Anionic Residue: A Combined Experimental and Theoretical Approach Manjushree Bera, Manik Das, Malay Dolai, Soumik Laha, Md Maidul Islam, Bidhan Chandra Samanta, Arindam Das, Indranil Choudhuri, Nandan Bhattacharyya, Tithi Maity	8 636–647 (2023)	ACS Omega ISSN : 2470-1343 (print); 2470-1343 (web)	ACS	3.512 (2020)
42	Solvent-regulated fluorescence off–on signaling of Ni (II) and Zn (II) with the formation of two mononuclear complexes with an ATP detection ability by Zn (II) assembly Subham Ray, Soumik Laha, Manik Das, Uttam Kumar Das, Arijit Bag, Indranil Choudhuri, Nandan Bhattacharyya, Bidhan Chandra Samanta, Tithi Maity	148 594-608 (2023)	Analyst	RSC	4.2 (2022)

43	Unveiling the catecholase activities and DNA binding interaction of mono-, di-, and polymeric Cu (ii) complexes derived from heterogeneous Schiff base ligands Ribhu Maity, Minakshi Maity, Kalyanmoy Jana, Tithi Maity, Nayim Sepay, Bidhan Chandra Samanta	47 2673-2681 (2023)	New Journal of Chemistry ISSN : 1144-0546 (print); 1369-9261 (web)	RSC	3.288
44	Combined theoretical and experimental insights on DNA and BSA binding interactions of Cu(II) and Ni(II) complexes along with the DPPH method of antioxidant assay and cytotoxicity studies Prasun Acharya, Arun Kuila, Ushasi Pramanik, Venkatesha R Hathwar, Paula Brandao, Saptarshi Mukherjee, Swapan Maity, Tithi Maity, Ribhu Maity, Bidhan Chandra Samanta	13 7632-7644 (2023)	RSC Advances	RSC	3.9 (2022)
45	Development of a novel AIE active piperazine appended chemosensor for solvent-regulated selective detection of IIB elements [Zn(ii), Cd(ii), Hg(ii)], Cl ⁻ and picric acid via varying emission colors to distinguish one another: environmental and biological applications Manik Das, Pranabendu Das, Shubham Ray, Arijit Bag, Soumik Laha, Indranil Choudhuri, Nandan Bhattacharya, Bidhan Chandra Samanta and Tithi Maity	47 9721-9734 (2023)	New Journal of Chemistry ISSN : 1144-0546 (print); 1369-9261 (web)	RSC	3.288

In Proceedings of International Conferences:

Sl No	Title of the Paper Published	Year/Page Number	Name of the Conference
1	Toughening of Epoxy Resin Modified with Amine Terminated Poly (Ethylene Glycol) Benzoate (ATPEGB) Bidhan Samanta , Sritama Kar, and Ajit. K. Banthia	2004, 664-671.	<i>The 2nd International Conference on Structure Processing and Properties of Materials, SPPM2004</i>
2	Mechanical and thermal properties of Cured Epoxy Toughened with Amine Terminated Poly (ethylene Glycol) Benzoate (ATPEGB) B. C. Samanta , T. Maity, S. Dalai, A. K. Banthia	2004, 513-520	<i>International Symposium on Advance Materials and Processing, ISAMAP2k4</i>
3	Thermal study of Cure Epoxy by New Aromatic Amine functional Curing Agents T. Maity, B. C. Samanta , S. Dalai, A. K. Banthia	2004, 521-527	do
4	Mechanical and Thermal Studies of Liquid ATPEGB Modified Epoxy-Red Mud Waste Composites B. C. Samanta , T. Maity, S. Dalai, A.K. Banthia	2007, 990-999	<i>2nd International Conference on Recent Advances in Composite Materials, ICRACM-2007</i>
5	Effect of Amine Functional Aniline Formaldehyde Condensate (AFAFC) on Mechanical Properties of Glass Fiber Reinforced Epoxy T. Maity, B. C. Samanta , S. Dalai, A. K. Banthia	2007, 226-238	do