

**FACULTY PROFILE****BASIC PROFILE****NAME : Dr. Tithi Maity****Assistant Professor****Dept. of Chemistry***tithi_maity@yahoo.co.in , tmpkc1980@gmail.com*

Contact No: 9474554625, 7908864532

Academic Qualification: M.Sc. , PhD

**SERVICE HISTORY**

Year of Joining	:	17/04/2015
Previous Employment, if any	:	Assistant Prof. , Department of Chemistry, Hijli College, Kharagpur, Paschim Medinipur since 08/04/2010 to 16/04/2015
Experience in Teaching	:	UG: 8 yrs. PG: Nil Research: 16 years
Area of Teaching : Chemistry of UG STUDENT		
Area of Specialization: Inorganic Chemistry		
Participation in Administrative activities: CONVENER OF BISAKHA CELL, MEMBER OF ADMISSION COMMITTEE, AND RUSA.		

RESEARCH PROFILE**Area of Research Interest: POLYMER CURING AND TOUGHENING, INORGANIC METAL COMPLEX**

Research Experience	Two years as Co-PI and another two years as PI in the UGC sponsored Minor Research Projects		
Conference/Seminar/Workshop Organised:			
State Level: 00			
National Level: 3 as Organizing secretary			
International Level: 00			
Projects ongoing / completed:			
Title	Funding Agency	Year	Amount (Rs.)
Curing and Toughening Studies of Epoxy Resin by Amine Terminated Synthesized Oligomers	UGC	2013	5,00000
Fellowship (s) / Award (s): NIL			
Involvement in other research activities:			
Supervisor:			
Adjudicator:			
Reviewer:			
Involvement in Academic/ Professional Organizations: INDIAN SCIENCE CONGRESS ASSOCIATION: LIFE MEMBER			
THE SOCIETY FOR POLYMER SCIENCE: LIFE MEMBER			



EMERALD LITERATI NETWORK: PROFESSIONAL MEMBER						
Editorial Board Member: NIL						
Publications: 23						
Books :						
Edited Books: 4						
Chapters in Books :						
Sl. No.	Title with page no.	Book title, editor & publisher	ISSN/ISBN No.	Whether peer reviewed.	No. of Co-author	Whether you are the main author
1.	Adverse Health Effects of Chemicals leaching from Plastic Food Containers pp81-84	FOOD SAFETY Editor: Prabhat Roy Publisher: Reader Service	ISBN 978-93-82623-15-1	No	2	Yes
2.	Use of Water as one of the Greener Alternatives in Organocatalysis PP- 2-16	ORGANOCATALYSIS :NEW METHODOLOGIES FOR SUSTAINABLE CHEMISTRY. Editor: Dr. Bidyut Kumar Senapati Publisher: Reader Service	ISBN 978-93-82623-44-1	No	2	Yes
3.	Synthetic Polymers vs. Biodegradable Polymers PP- 190-199	Environment Friendly Biodegradable Polymers: Present and Future. Editor: Dr. Bidhan Chandra Samanta and Dr. Tithi Maity Publisher: Mallick Book Centre	ISBN: 978-81-926694-0-3	No	1	Yes
4.	Curing and Toughening study of Epoxy Resin with Amine Functional Polymers pp-	Recent Trends in Research in Chemical Sciences Editor: Publisher: Ghatal R. S. Mahavidyalaya	ISBN: 978-93-5267-187-8	No	3	No



5.	Ak Irish Kanyar Bharatiya Kanay Rupantarer Upakhan	Woman,s Education and Empourment – A Dream of Nivedita Editor: Dr. Tithi Maity. Publisher: Ma kali Xerox printers	ISBN- 978-93-84387-54-9	No	1	Yes
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Full papers in Conference Proceedings

Sl. No.	Title with page no.		Details of Conference Publication	ISSN/ ISBN No.	No. of Co-author	Whether you are the main author
1.	Evaluation of Aniline-Formaldehyde Condensates as Modifiers for Epoxy Resin pp-672-679.		<i>The 2nd International Conference on Structure Processing and Properties of Materials, SPPM2004</i>		3	Yes
2.	Mechanical and thermal properties of Cured Epoxy Toughened with Amine Terminated Poly (ethylene Glycol) Benzoate (ATPEGB) pp- 513-520		<i>International Symposium on Advance Materials and Processing, ISAMAP2k4</i>		3	no
3.	Thermal study of Cure Epoxy by New Aromatic Amine functional Curing Agents		<i>International Symposium on Advance Materials and Processing, ISAMAP2k4</i>		3	yes



	Pp – 521-527					
4.	Mechanical and Thermal Studies of Liquid ATPEGB Modified Epoxy-Red Mud Waste Composites pp – 990-999		<i>2nd International Conference on Recent Advances in Composite Materials, ICRACM-2007</i>		3	yes
5.	Effect of Amine Functional Aniline Formaldehyde Condensate (AFAFC) on Mechanical Properties of Glass Fiber Reinforced Epoxy pp- 226-238	<i>2nd International Conference on Recent Advances in Composite Materials, ICRACM-2007</i>			3	yes

Journals:

Published Papers in Journals

Sl. No.	Title with page no.	Journal	ISSN/IS BN No.	Whether peer reviewed. Impact factor, if any	No. of Co-author or	Whether you are the main author
1.	<i>Amine Terminated Poly (Ethylene Glycol) Benzoate Modified Epoxy Networks PP: 4-11</i>	<i>Pigment and Resin Technology</i>	ISSN 0369-9420	Yes, IF: 0.697	4	Co-author
2.	<i>Toughened Epoxy with Amine Functional Aniline Formaldehyde Condensate (AFAFC) PP: 12-21</i>	<i>Pigment and Resin Technology</i>	ISSN 0369-9420	Yes, IF: 0.697	4	Main author
3.	<i>Synthesis, Characterization</i>	Journal of	ISSN	Yes,	4	Main



	<i>and Curing Studies of {2, 6 - Bis - [2 - (bis - oxiranylmethyl - amino) - methylbenzyl] - phenyl} - bis-oxiranylmethylamine (BPBOMA) PP: 3168-3172</i>	Applied Polymer science	1097-4628	IF: 1.866		author
4.	<i>Amine-terminated Poly (ethylene glycol) benzoate (ATPEGB) Modified Epoxy: Mechanical and Thermal Properties PP: 491-502</i>	Journal of Adhesion Science and Technology	ISSN 1568-5616	Yes, IF: 0.900	4	Co-author
5.	<i>Mechanical properties of modified epoxy: Effect of chain length</i>	Pigment and Resin Technology	ISSN 0369-9420	Yes, IF: .697	4	Co-author
6.	<i>Synthesis, Characterization and Curing Studies of BCCOMB PP: 30-38</i>	Pigment and Resin Technology	ISSN 0369-9420	.697	4	Main author
7.	<i>Curing Study of Epoxy Resin by New Aromatic Amine Functional Curing Agents along with Mechanical and Thermal Evaluation PP: 38-46</i>	Materials Science and Engineering A	ISSN: 0921-5093	2.647	4	Main author
8.	<i>Toughening of epoxy resin with amine functional aniline acetaldehyde condensate PP: 1695-1702</i>	Polymer Engineering and Science	ISSN: 1548-2634	1.719	4	Main author
9.	<i>Toughening of Epoxy Resin with Solid Amine Terminated Poly (ethylene glycol) benzoate and Effect of Red Mud Waste Particles on it PP: 272-278</i>	Journal of Materials Science and Technology	ISSN: 1005-0302	2.267	4	Co-author
10.	<i>Influences of Amine Terminated Oligomers on Glass Fiber-Epoxy</i>	Pigment and Resin Technology	ISSN 0369-9420	.697	4	Co author



	Composite PP: 03-08					
11	<i>Amine functional chloroaniline acetaldehyde condensate modified epoxy networks</i> PP: 3717-3726	Journal of Applied Polymer Science	ISSN 1097-4628	1.866	3	Main author
12.	<i>Modification of cured epoxy with amine functional chloroaniline formaldehyde condensate</i> PP: 143-152	Pigment and Resin Technology	ISSN 0369-9420	.697	3	Main author
13.	<i>Amine functional aniline furfuraldehyde condensate cured epoxy resin</i> PP: 285-289	Pigment and Resin Technology	ISSN 0369-9420	.697	2	Main author
14.	<i>Effect of modifier and filler concentration on properties of epoxy-red mud waste composite</i> PP: 380-386	Pigment and Resin Technology	ISSN 0369-9420	.697	2	Co-author
15.	<i>Modification of Glass Fiber-Reinforced Epoxy with Amine Functional Aniline Formaldehyde Condensate (AFAFC)</i> PP: 1031-1043	Journal of Adhesion Science and Technology	ISSN 1568-5616	.900	2	Main author
16.	<i>Synthesis, characterisation, curing reaction of aniline acetaldehyde condensate with epoxy resin</i> PP: 285-291	Pigment and Resin Technology	ISSN 0369-9420	.697	4	Main-author
17.	<i>Effectiveness of amine functional aniline furfuraldehyde condensate as toughening agent for epoxy resin</i> PP: 344-350	Pigment and Resin Technology	ISSN 0369-9420	.697	2	Co-author
18.	<i>Curing study and evaluation of epoxy resin with amine functional chloroaniline acetaldehyde condensate</i>	Pigment and Resin Technology	ISSN 0369-9420	.697	2	Main-author



		PP: 19-25					
19.	<i>Effect of Red Mud Waste Filler on Mechanical and Thermal Properties of Amine Functional Aniline Furfuraldehyde Condensate (AFAFFC) Modified Epoxy Composite</i> PP: 184-190	<i>Pigment and Resin Technology</i>	ISSN 0369-9420	.697	2	Main-author	
20.	<i>Octahedral Ni(II) complex with new NNO donor Schiff base ligand: Synthesis, structure and Hirshfeld surface</i> PP: 844-854	<i>Journal of Molecular Structure</i>	ISSN: 0 022-2860	1.780	5	Co-Author	
21.	<i>Square pyramidal copper(II) complex with Schiff base ligand: synthesis, crystal structure, antibacterial and DNA interaction studies</i> PP: 69-78	<i>Transition Metal Chemistry</i>	ISSN: 0 340-4285	1.465	8	Co-author	
22.	<i>"Quantifying conventional C-H p(aryl) and unconventional C-H p(chelate) interactions in dinuclear Cu(II) complexes: experimental observations, Hirshfeld surface and theoretical DFT study".(Accepted for publication)</i>	<i>New Journal of Chemistry</i>	ISSN: 1144-0546	3.269	6	Main author	
23.	<i>Synthesis, structure, and biological properties of a Co(II) complex with tridentate Schiff base ligand, (accepted for publication)</i>	<i>Journal of Coordination Chemistry</i>	ISSN: 0095-8972	1.79	7	Co-author	

Books published as author / editor :

Sl. No.	Title with page no.	Type of Book, & authorship	Publisher & ISSN/ISBN No.	Whether peer reviewed.	No. of Co-author/Editor	Whether you are the main author
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1.	“Safe and Environment friendly Food Additives and Dyes”	Edited Book	Reader Service, Kolkata ISBN 978-81-87891-53-6	No	2	Yes
2.	“Toughening of Epoxy Networks by Some New Synthesized Toughening Agents”	Author book	Scholar Press, Germany ISBN 978-3-639-71147-9	No	2	Yes
3	“Environment Friendly Biodegradable Polymers: Present and Future”	Edited Book	Mallick Book Centre, Kolkata-73 ISBN : 978-81-926694-0-3	No	2	Yes
4	Fluorosis and Arsenicosis: A Global Problem	Edited Book	Nectar Kolkata-06 978-93-84241-08-7	No	2	Yes
5.	Bharat Preme Pagalini Nivedita	Edited Book	Ma kali Xerox printers	No	1	yes

Conf. Proceedings:**Any other relevant information**

: Dr. Maity actively engaged in research, organized three UGC sponsored National Seminar as Convener, selected for Best Poster Award in 104th ISCA, 2017

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