

Conference/Seminar/Symposia Publications

(PERIOD: 1 APRIL 2016 – 31 MARCH 2017)

Sl. No.	Authors	Paper Title	Name of Conference/Workshop/Seminar/Symposia Proceedings	Year	Vol.	Issue (If any)	Starting Page	Ending Page
1	R. Bag, D. Sar, T. Punniyamurthy	Dioxygenation of Alkenes in air with N-Hydroxyphthalimide (NHPI) and N-Hydroxybenzotriazole (HOBt)	Research Conclave, IIT Guwahati	2017				
2	P. B. De, S. Pradhan, T. Punniyamurthy	Stereo-invertive Copper-Catalyzed Cross-Coupling of Aziridines with Benzimidazoles via Nucleophilic Ring Opening and C(sp ²)-H Functionalization	Research Conclave, IIT Guwahati	2017				
3	R. Bag, D. Sar, T. Punniyamurthy	Aerobic Dioxygenation of Alkenes with N-Hydroxyphthalimide (NHPI) and N-Hydroxybenzotriazole (HOBt)	20th CRSI National Symposium in Chemistry, Gauhati University	2017				
4	P. B. De, S. Pradhan, T. Punniyamurthy	Copper-catalyzed stereospecific ring opening of aziridines/aerobic oxidative C-H amination: a facile route to imidazobenzimidazoles	20th CRSI National Symposium in Chemistry, Gauhati University	2017				
5	R. Bag, D. Sar, T. Punniyamurthy	Direct Aerobic Dioxygenation of Alkenes with N-Hydroxyphthalimide (NHPI) and N-hydroxybenzotriazole (HOBt)	21st International Conference on Organic Synthesis (ICOS 21), IIT Bombay	2016				
6	P. B. De, S. Pradhan, T. Punniyamurthy	Copper-catalyzed regioselective ring opening of aziridines/aerobic oxidative C-H amination: a facile route to imidazobenzimidazoles	21st International Conference on Organic Synthesis (ICOS 21), IIT Bombay	2016				
7	V. Satheesh, M. Sengoden, T. Punniyamurthy	Synthesis of Substituted Oxazolidines and Imidazolidines via Intramolecular C(sp ³)-H Functionalization	53rd ACC, Indian Chemical Society, Gitam University, Vizag	2016				
8		“On Water” C(sp ³)-H Functionalization/C-O Bond Formation: Synthesis of Functionalized Oxazolidines	XII J-NOST, CDRI-LUCKNOW	2016				
9	D. Mahesh, P. Sadhu, T. Punniyamurthy	Copper(II)-Catalyzed Oxidative Cross-Coupling of Anilines, Primary Alkyl Amines and Sodium Azide Using TBHP: A Route to 2-Substituted Benzimidazoles	XII J-NOST, CDRI-LUCKNOW	2016				
10	V. Satheesh, M. Sengoden, T. Punniyamurthy	A Metal Free Synthesis of Oxazolidines via sp ³ C-H Functionalization/C-O Bond Formation	International Symposium on Nature Inspired Initiatives in Chemical Trends, IICT Hyderabad	2016				
11	D. Mahesh, P. Sadhu, T. Punniyamurthy	Copper(II)-Catalyzed Oxidative Cross-Coupling of Anilines, Primary Alkyl Amines and Sodium Azide : Synthesis of 2-Aryl Benzimidazoles	do	2016				

12	P. Sadhu and T. Punniyamurthy	Copper(II)-Mediated 8-Aminoquinoline Amide Directed Regioselective <i>N</i> -arylation of Azoles via Cross-Dehydrogenative Coupling	19 th CRSI National Symposium in Chemistry, North Bengal University	2016				
13	G. Bharathiraja, G. Sathishkannan T. Punniyamurthy	Synthesis of Highly Functionalized Thiophenes via 5-exo-dig Cyclization of 1,3-enynes with Mercaptoacetaldehyde	19 th CRSI National Symposium in Chemistry, North Bengal University	2016				
14	D. Sar, R. Bag, A. Yashmeen, S. S. Bag, T. Punniyamurthy	Vanadium-Catalyzed C-H Oxidative Synthesis of Substituted Pyrazoles and Fluorescence Switch-On Sensing of BSA Protein	19 th CRSI National Symposium in Chemistry, North Bengal University	2016				
15	S. Rao Manne, B.Mandal	<i>Peptide Hydroxamic Acids synthesis from Carboxylic Acid using Ethyl 2-(tert-Butoxycarbonyloxyimino)-2-cyanoacetate (Boc-Oxyima)</i>	19 th CRSI National Symposium in Chemistry	2016			45	45
16	D. Dev, J. Chandra, B. Mandal	<i>Benzoxazole and Benzothiazole Synthesis from Amino Acid in Solution and On resin by Ethyl 2-Cyano-2-(2-nitrobenzene sulfonyloxyimino) acetate and para-Toluenesulfonic Acid</i>	Frontiers in Chemical Sciences 2016	2016			75	75
17	R. S.Giri, B. Mandal	<i>On resin Lewis Acid based Peptide Modification on Asp or Glu</i>	Frontiers in Chemical Sciences 2016	2016			97	97
18	S. Rao Manne, B. Mandal	<i>Synthesis of Peptide Hydroxamic Acids Directly From Carboxylic Acid using Ethyl 2-(tert-Butoxycarbonyloxyimino)-2-cyanoacetate (Boc-Oxyima)</i>	Frontiers in Chemical Sciences 2016	2016			106	106
19	T.Kalita, D. Dev, B. Mandal	<i>Synthesis of Benzoxazole and Benzothiazole from Carboxylic Acids by Ethyl 2-Cyano-2-(2-nitrobenzenesulfonyloximino) acetate and para-Toluenesulfonic Acid</i>	Frontiers in Chemical Sciences 2016	2016			124	124
20	R. S.Giri, B. Mandal	<i>Lewis Acid based Side Chain Modification of Aspartic Acid and Glutamic Acid during Solid Phase Peptide Synthesis</i>	20 th CRSI National Symposium in Chemistry	2017			221	221
21	J. Chandra, D. Dev, B. Mandal	<i>Synthesis of Benzoxazole and Benzothiazole using Ethyl 2-Cyano-2-(2-nitrobenzene sulfonyloxyimino) acetate (o-NosylOXY) both Solution And Solid Phase</i>	20 th CRSI National Symposium in Chemistry	2017			143	143
22	R. Bhaskaran, M. Sarma	Low Energy Electron Induced Single Strand Breaks in Sugar-Phosphate-Sugar Fragment	NCCP – 2017, Assam University, Silchar, India	2017			17	17
23	S.Saha, B. Mondal	Reactions of a nitrosyl complex of Cobalt porphyrin With hydrogen peroxide: Putative Formation of Peroxynitrite intermediate	Symposium on Advanced Biological Inorganic Chemistry, Kolkata	January 7-11, 2017				
24		Reaction of a Co(III)-peroxo complex and NO: Formation of a Peroxynitrite Intermediate	Frontier in Chemical Science, IIT Guwahati	December 8-10, 2016				

25	R. Gattu, A. T. Khan	Regioselective synthesis of C1-functionalised 3-arylbenzo[f]quinoline through one pot three component reaction of 2-naphthylamine, arylcarbaldehyde and ketoester	19 th CRSI National Symposium in Chemistry	12th-15th July 2016				
26		Regioselective synthesis of C1-functionalised 3-arylbenzo[f]quinoline through one pot three component reaction of 2-naphthylamine, arylcarbaldehyde and ketoester	Frontiers in Chemical Sciences 2016	6th-8th December 2016				
27	R. K. Gupta, D. Das, P. K. Iyer, A. S. Achalkumar	Electroluminescent Room Temperature Columnar Liquid Crystals Based On bay-Annulated Perylenetetraesters	FICS 2016, IIT Guwahati	6th-8th December 2016				
28		Host-Guest OLEDs based on Perylene based Room Temperature Columnar Liquid Crystals	20 th CRSI National Symposium in Chemistry, Gauhati University, Guwahati	2-5 February, 2017				
29	S.Nath, S.K. Pathak, A. S. Achalkumar	Columnar Self Assembly of Luminescent Star shaped and Polycatenars: Structure property correlation	20th CRSI National Symposium in Chemistry, Gauhati University	2-5 February, 2017				
30	M. K.Mondal, C. Mukherjee	SOLID STATE VALANCE TAUTOMERISM IN AN OCTAHEDRAL CoCOMPLEX	SABIC 2017, Kolkata, India	7-11 January, 2017				
31	B.Phukan, C. Mukherjee	A Water-Soluble, Bis(Aquated) and High RelaxivityGd(III) Complex for High Field (14.1 T) MRI Study	FICS 2016, IIT Guwahati	6th-8th December 2016				
32		Synthesis of Gd(III) Complex for High Field (14.1 T) MRI Study	ACS on Campus, IIT Guwahati	16 th Jan,17				
33		Synthesis of Water-Soluble and Water-Coordinated Mn(II) and Gd(III) Complexes for High Field (14.1 T) MRI Study	11 th CRSI-RSC symposium, Gauhati University, Guwahati	February 2, 2017.				
34	P. Barman, G. Mukherjee, C. V. Sastri,	Influence of Ligand Architecture in Tuning Reaction Bifurcation Pathways for Chlorite Oxidation by Non-Heme Iron Complexes	National Seminar on Recent Developments inSynthesis and Catalysis, Dibrugarh University	10th -11th March, 2017,				
35	P. Barman, C. V. Sastri,	Long-Range Electron Transfer Triggers Mechanistic Differences between Iron(IV)-Oxo and Iron(IV)-Imido Oxidants.	20th CRSI National Symposium in Chemistry, Gauhati	3rd -5th February, 2017				

			University					
36		Grab the Hydrogen First: Deformylation Reaction by a Non-heme Manganese(III)-Peroxo Complex	SABIC-2017, Kolkata	7th -11th January, 2017				
37		Deformylation Reaction by a Non-heme Manganese(III)- Peroxo Complex via Initial Hydrogen Atom Abstraction	FICS – 2016, IIT Guwahati	8th - 10th December, 2016,				
38	S. Boris, B. Li, L. Chao, A. Kumar, A. S. Goldman, F.E.Celik	Flow-through heterogeneous transfer alkane dehydrogenation effected by pincer-ligated iridium catalysts	252 nd ACS National Meeting & Exposition, Philadelphia, PA, USA	August 21-25, 2016	CATL 226	-	-	-
38	B. Li, T. Zhou, T. Emge, A.Kumar, F.Celik, K. Krogh-Jespersen, A.S. Goldman	Tail-to-tail dimerization of styrene via dehydrogenative coupling of styrene C-H bonds by a pincer iridium complex	252 nd ACS National Meeting & Exposition, Philadelphia, PA, USA	August 21-25, 2016	INOR-549	-	-	-
39	A. S.Patra, M. Qureshi	Graphene oxide coupled ruthenium doped lanthanum manganites for efficient oxygen production from photocatalytic water oxidation	ICANN-2016, Jamia Millia Islamia, New Delhi	4-5th Nov' 2016				
40		Robust oxygen production by ruthenium doped lanthanum manganite from photocatalytic water oxidation	FICS-2016, IIT Guwahati	8-10 th Dec' 2017				
41	M. S. Ansari, M. Qureshi	Graphitic carbon nitride as a photovoltaic booster in quantum dot sensitized solar cells: a synergistic approach for enhanced charge separation and injection	FICS-2016, IIT Guwahati	8-10 th Dec' 2017				
42		Rational design of hierarchical ZnO Super structures for efficient charge transfer: mechanistic and photo voltaic studies of hollow, mesoporous, cage-like nanostructures with compacted 1D building blocks	CRSI-2017, Gauhati University / Research Conclave 2017, IIT Guwahati	2-5 th Feb' 2017, 17-19 th March 2017				
42		Ethyl Cellulose and Cetrimonium Bromide Assisted Synthesis of Mesoporous, Hexagon Shaped ZnO Nanodisks with Exposed $\pm\{0001\}$ Polar Facets for Enhanced Photo-voltaic Performance in Quantum Dot Sensitized Solar Cells	Reflux 2017, IIT Guwahati	24-26 th March 2017				
43	G.Gogoi, M. Qureshi	A Noble Metal Free Approach in Integrating g-C ₃ N ₄ And MoS ₂ on Cd _{0.5} Zn _{0.5} S as an Efficient System For Enhanced Photocatalytic Activity	ICANN-2016, Jamia Millia Islamia, New Delhi	4-5th Nov' 2016				

44		MoS ₂ loaded Quarternary Cu ₂ ZnSnS ₄ Semiconductor for Enhanced Photocatalytic Activity	FICS-2016, IIT Guwahati, CRSI-2017, IIT Guwahati	8-10 th Dec' / 2-5 th Feb'17				
45	A.Banik, M. Qureshi	Understanding the role of silica nanospheres withtheir light scattering and energy barrier propertiesin enhancing the photovoltaic performance ofZnO based solar cells	FICS-2016, IIT Guwahati and CRSI-2017, IIT Guwahati	8-10 th Dec' 2017, 2-5 th Feb 2017				
46		Dual Function of SiO ₂ nanospheres in enhancing the photovoltaic performance of ZnO based solar cell	Research Conclave 2017, IIT Guwahati	17-19 th March 2017				
47	S. Mahato, A. Singh, L.Rangan, C. K. Jana	Synthesis, <i>in silico</i> studies and <i>in vitro</i> evaluation for antioxidant and antibacterial properties of diarylmethylamines: A novel class of structurally simple and highly potent pharmacophore	Flow Application on Basic, Applied and Clinical Biology (FABACTCS2016) organized by BSBE, IIT Guwahati/BBCI	November 3-5, 2016				
48	D. Mahanta, S. Dutta	Pinning of 3D chemical waves to highly branched heterogeneities	Hands-on research in complex systems school 2016", ICTP, Trieste, Italy	July 18-29, 2016.				
49	S. R. Sahu, S. Dutta	Complexity and Non-linear dynamics inbiological systems	GIAN workshop, NIT Durgapur	12-16 Sep' 2016				
50	B. Das	Screening of Multicomponent crystals of L-Tryptophan with different isomers of PDAs	44 th National Seminar on Crystallography, IISER Pune	10 th -13 th July, 2016				