

CARBO-XXX updates

1. Final Programme
2. List of Posters accepted at CARBO-XXX

SCIENTIFIC PROGRAMME SCHEDULE 30th Carbohydrate Conference (CARBO-XXX)

on

Carbohydrates: Chemistry, Biology & Applications as Green Building Blocks for Bulk Chemicals,
Fuels and Advanced Materials

Organized by Department of Chemistry, Pondicherry University

In association with

Association of Carbohydrate Chemists & Technologists, India

December 29-31, 2015

28th Dec. 2015 Monday	
Venue: Department of Chemistry, Pondicherry University	
14:00 – 16:30 hrs.	Early Registration at Seminar Hall, Dept. of Chemistry, Pondicherry University
16:30 – 17:30 hrs.	ACCT(I) Executive Committee Meeting at the Chamber of HOD Dept. of Chemistry, Pondicherry University
29th Dec. 2015 Tuesday	
Venue: Convention – cum- Cultural Complex, Pondicherry University	
8:00 – 9:30 hrs	Registration at Conference Venue
9.30-10.30 hrs	Inaugural Session
10.30 – 11.00	High Tea and Group Photo Session
Technical Session I: T-1	
Award Lecture Session- I	
Chairs: Prof. K.P.R Kartha, NIPER and Dr. Sanjay V. Modi, Lucid Colloids Ltd. Convener/Rapporteur: Prof. H. Surya Prakash Rao, Pondicherry University	
Award Lecture-1 11:00-11:25 hrs	Life Time Achievement Award: Prof. Naveen Khare , University of Lucknow, Lucknow <i>An Expedition from Naturally Occurring Steroidal Glycosides to Glycobiology</i>
Award Lecture-2 11:25-11:50 hrs	Excellence in Carbohydrates Research Award: Prof. Ashok Kumar Prasad , University of Delhi, Delhi <i>Glucose to Novel Amphiphiles and Macrocycles of Significant Importance</i>
Award Lecture-3 11:50-12:15 hrs	CG Merchant Award: Prof. Bimalendu Ray , University of Burdwan, West Bengal <i>Insight into the Structure of an Antioxidative Arabinogalactan Protein from Anogeissus Latifolia Gum by ESMS Based Approach</i>
Award Lecture-4 12:15-12:40 hrs	N. Roy Award: Prof. Vinod K Tiwari , Banaras Hindu University, Varanasi <i>Synthesis of Diverse Glycoconjugates of Chemotherapeutic Potential</i>
12.40- 13.30 hrs	Lunch Break
Technical Session II: T-2	
Award Lecture Session- II	

Chairs: Dr. Brij Raj Sharma, SHCL, Jodhpur and Prof. Virinder Parmar, University of Delhi Convener/Rapporteur: Prof. K. Anbalagan, Pondicherry University	
Award Lecture-5 13:30-13:55 hrs	TCR Best Paper Award: Prof. Indrapal Singh Aidhen , IIT Madras, Tamil Nadu <i>Building Blocks for the Synthesis of PPAR Agonist and SGLT Inhibitors</i>
Award Lecture-6 13:55-14:20 hrs	H. C. Srivastava Young Scientist: Dr. Mohan Das , Central University of Tamil Nadu <i>Chemistry of Glycohybrid Molecules</i>
Award Lecture-7 14:20-14:45 hrs	Best Ph.D. Thesis 2014-15: Dr. Swati Jadhav , ICT, Mumbai <i>Enzyme-Polysaccharide Interactions: Effects on Enzyme Activity and Stability</i>
14.45- 15.00 hrs	Tea Break
Technical Session III: T-3 Food Technology and Medicinal Application of Carbohydrates Chairs: Dr. A.J Varma, NCL, Pune and Prof. Naveen Khare, University of Lucknow, Lucknow Convener/Rapporteur: Dr. Bala. Manimaran, Pondicherry University	
Invited Talk-1 15:00- 15:25 hrs	Dr. R.P. Tripathi , CDRI, Lucknow <i>Monosaccharide's in Search of New Chemotherapeutics</i>
Invited Talk-2 15:25- 15:50 hrs	Dr. G. Muralikrishna , Central Food Technological Research Institute, Mysore <i>Characterization of Resistant Starch Degrading Enzyme from Lactobacillus Fermentum</i>
Invited Talk-3 15:50- 16:15 hrs	Prof. Vasudeva Singh , University of Mysore, Mysore <i>Physical Properties, Nutrient Composition, Phyto-Chemicals and Anti-Oxidant Activities of De-Husked Rice Before and After Parboiling Pigmented Paddy Varieties by Simple Hot Soaking</i>
Invited Talk-4 16:15- 16:40 hrs	Prof. P.R. Sudhakaran , University of Kerala, Trivandrum <i>VE Cadherin –Catenin Signalling; Implications to Ingiogenesis</i>
16:40- 18:00 hrs	General Body Meeting at Lecture Hall
18:00- 19:00 hrs	Cultural Programme at Auditorium, Pondicherry University
19:30 hrs onwards	Departure for Dinner at Ocean Spray, Bus facility Provided by Organizers
19:30 hrs onwards	Welcome Dinner
21:30 hrs onwards	Return From Hotel - Bus Facility Provided by Organizers
30th December 2015 (Wednesday) Venue: Auditorium, Pondicherry University	
Technical Session IV: T-4 Biomass to Useful Products and Bio-medical Applications Chairs: Dr. P.L. Soni, Editor in Chief, TCR and Dr. Bharat Joshi, Industrial Guar Products Pvt. Ltd. Convener/Rapporteur: Dr. C. Sivasankar, Pondicherry University	
Key Note Address 9:30- 10:05 hrs	Prof. Christophe Len , Sorbonne Universités, France <i>Green Chemical Synthesis and Processing in Water Application to Carbohydrate</i>
Invited Talk -5 10:05- 10:30 hrs	Dr. A.J. Varma , CSIR – National Chemical Laboratory, Pune <i>From Lignocellulosic Biomass to Nanocellulose, Cellulose Biorefinery, Biofuel, and Biodegradable Polymers</i>
Invited Talk-6 10:30- 10:55 hrs	Prof. Sunil Sharma , University of Delhi, Delhi <i>Carbohydrate based Amphiphilic Dendritic Architectures for Bio-Medical and Metal Sensing Applications</i>
Invited Talk-7 10:55- 11:20 hrs	Dr. Sagarika Biswas , Institute of Genomics and Integrative Biology, Delhi <i>Plasma Glycoproteomic Profiling of Rheumatoid Arthritis: An Applications with Case Studies</i>
11.20 – 11.30 hrs	Tea Break
Technical Session V: T-5	

Synthesis of Carbohydrate and Related Materials	
Chairs: Prof. Ashok K. Prasad, University of Delhi and Prof. Vineet Kumar, FRI Convener/Rapporteur: Dr. M. Bathadoss, Pondicherry University	
Invited Talk-8 11:30-11:55 hrs	Prof. K. P. Ravindranathan Kartha , National Institute of Pharmaceutical Education and Research (NIPER), Punjab <i>Mechanochemical Methods Useful in Synthetic Carbohydrate Chemistry</i>
Invited Talk-9 11:55-12:20 hrs	Dr. Asish Kumar Sen , CSIR-Indian Institute of Chemical Biology, Kolkata <i>New Generation Catalyst in Glycosylation Reaction: Introduction of Pd-CNT in Carbohydrate Chemistry</i>
Invited Talk-10 12:20-12:45 hrs	Dr. P. Ramu Sridhar , University of Hyderabad, Hyderabad <i>Stereoselective Synthesis of Oligo Glyco-Amino acids and Septano Oligo-saccharides</i>
Oral Presentation- 1 12:45-13:00 hrs	Dr. Jeyakumar Kandasamy , Indian Institute of Technology (BHU) –Varanasi, <i>Technology Associated Synthesis of Carbohydrates: Automated Synthesis of Glycosaminoglycans</i>
Special Lecture 13:00-13:20 hrs	Dr. Asish Kumar Sen , CSIR-Indian Institute of Chemical Biology, Kolkata <i>Miles to go...</i>
13:20- 14:00 hrs	Lunch Break
14:00- 15:45 hrs	Interaction on Poster Presentations
15:45- 16:00 hrs	Tea Break
Technical Session VI: T-6	
Starch and related Products	
Chairs: Dr. S.N.Moorthy, CFTCRI, Mysuru and Prof. P. R. Sudhakaran, Univ. of Kerala Convener/Rapporteur: Dr. C. R. Ramanathan, Pondicherry University	
Invited Talk -11 16:00- 16:25 hrs	Prof. Kalpana Chauhan , Shoolini University, Solan, <i>Greener and Innovative Method for Sulfur Functionalization of Polysaccharide</i>
Invited Talk -12 16:25- 16:50 hrs	Dr. S.N. Moorthy , Retd. Scientist, CTCRI, Trivandrum, <i>Some Innovative Application of Starch and Starch Derived Products in Pharmaceutical Fields</i>
Invited Talk -13 16:50- 17:15 hrs	Dr. Amit Bhatt , Maya Group of Colleges, Dehra Dun <i>Aloe Vera: Medicinal and Traditional Uses</i>
Oral Presentation- 2 17:15 - 17:30 hrs	Dr. Deenan Santhiya , Delhi Technological University, Delhi <i>Role of Cellulose and its Derivatives in Nanobioactive Glass Synthesis for Bone Regeneration</i>
Oral Presentation- 3 17:30 - 17:45 hrs	Dr. S.N.Chattopadhyay , ICAR- National Institute of Research on Jute & Allied Fibre Technology, Kolkata <i>Use of Guar Gum as a Thickener for Printing of Jute Fabric with Natural Dyes</i>
Oral Presentation- 4 17:45 - 18:00 hrs	Prof. Ritu Mahajan , Chandigarh University, Mohali <i>Synthetic strategies for the preparation of Glyconanomaterials to amplify the glycan mediated interactions</i>
18:00- 19:00 hrs	Open House Discussion on Carbohydrate Moderator: Dr. Ashish Kumar Sen (ICB, Kolkata)
19:00 hrs onwards	Departure for Dinner at Ocean Spray- Bus Facility Provided by Organizers
21:30 hrs onwards	Return From Hotel- Bus Facility Provided by Organizers

31st December 2015 (Thursday)

Venue: Convention – cum- Cultural Complex, Pondicherry University

Technical Session VII: T-7

Poster Award Presentation

Chairs: Prof. Christophe LEN, Sorbonne Université, and G. S. Chauhan, Himachal Pradesh University

Convener/Rapporteur: Dr. S. Sabiah, Pondicherry University

Special Oral Presentation (SOP)	Time	Speaker
SOP - 1	9:00- 9:10 hrs	Selected Poster for Consideration of Award
SOP - 2	9:10- 9:20 hrs	Selected Poster for Consideration of Award
SOP - 3	9:20- 9:30 hrs	Selected Poster for Consideration of Award
SOP - 4	9:30- 9:40 hrs	Selected Poster for Consideration of Award
SOP - 5	9:40- 9:50 hrs	Selected Poster for Consideration of Award
SOP - 6	9:50- 10:00 hrs	Selected Poster for Consideration of Award
SOP - 7	10:00- 10:10 hrs	Selected Poster for Consideration of Award
SOP - 8	10:10- 10:20 hrs	Selected Poster for Consideration of Award
SOP - 9	10:20- 10:30 hrs	Selected Poster for Consideration of Award
SOP - 10	10:30- 10:40 hrs	Selected Poster for Consideration of Award
10:40- 10:55 hrs	Tea Break	
Technical Session VIII: T-8		
Carbohydrates Synthesis		
Chairs: Dr. Anupkumar Bhaskarapillai, IGCAR and Prof. Bimalendu Ray, University of Burdwan		
Convener/Rapporteur: Dr. Binoy Krishna Saha, Pondicherry University		
Invited Talk -14 10:55- 11:30 hrs	Dr. Ramendra Pratap , University of Delhi, North Campus <i>Metal Catalyzed Modification of Nucleosides</i>	
Invited Talk -15 11:30- 11:55 hrs	Dr. Brajendra K. Singh , University of Delhi, North Campus <i>Glucose: A Better Alternative Reductant for Copper (I) Catalyzed Heterocyclic Ring Formation</i>	
Invited Talk -16 11:55- 12:20 hrs	Prof. Rina Ghosh , Jadavpur University, Kolkata <i>My recent synthetic journey with oligosaccharides related to bacteria</i>	
Invited Talk -17 12:20- 12:45 hrs	Dr. Kanwal J. Kaur , National Institute of Immunology, New Delhi <i>Influence of sugar variants on biological activities of peptides</i>	
Oral Presentation- 5 12:45- 13:00 hrs	Dr. Arya Ajay , University of Lucknow, Lucknow <i>Stereoselective Editing of Sweet System</i>	
13:00-13:45 hrs	Lunch Break	
Technical Session: T-9		
Application of Carbohydrate related Natural Products		
Chairs: Prof. Sunil Sharma, University of Delhi and Dr. Subodh Sharma, India Glycols Ltd., Dehradun		
Convener/Rapporteur: Dr. R. Padmanaban, Pondicherry University		
Invited Talk -18 13:45- 14:20 hrs	Dr. Anupkumar Bhaskarapillai , IGCAR Campus, Kalpakkam <i>Can Chitosan be of Any Use to Nuclear Industry?</i>	
Invited Talk -19 14:20- 14:45 hrs	Dr. Amit Kumar , Indian Institute of Technology, Patna <i>Constrained Bicyclic Molecules as Glycosidase Inhibitor</i>	
Oral Presentation- 6 14:45- 15:00 hrs	Dr. Mary Saral , VIT, Vellore Extraction and purification of polysaccharides from the fruits of pithecellobium dulce	
Oral Presentation- 7 15:00- 15:15 hrs	Dr. R. Gopinath , University College Engineering, Tindivanam, Evaluation of mechanical properties of hybrid fiber reinforced vinyl ester composite	

Technical Session X: T-10 Carbohydrate Linked Industries: Status and Scopes Coordinator: Dr. Ashish Kumar Sen, IICB, Kolkata and Dr. Toka Swu, Pondicherry University	
15:00- 15:10 hrs	Opening Remarks by Dr. Ashish Kumar Sen, IICB, Kolkata
15:10- 16:10 hrs	Panel Discussion & Open Interaction Members: Prof. Ashok K. Prasad , University of Delhi Prof. Ghanshyam S. Chauhan , Himachal Pradesh University Dr. Vineet Kumar , Forest Research Institute (FRI), Dehradun Mr. Bharat Joshi , PFP Technologies, USA Dr. Sanjay Modi , Lucid Colloids Ltd., Mumbai Mr. A. Saravanan , Thirumalai Chemicals Ltd. Ranipet Dr. Subodh Sharma , India Glycols Ltd., Dehradun
16:10- 16:25 hrs	Valedictory Session (Coordinator: Prof. K.P.R Kartha, NIPER, Mohali)
16:25- 16:45 hrs	High Tea
18:00 – 24:00 hrs	New Year Party at Ocean Spray; Bus Facility Provided by Organizers

2. Poster Presentations (numbering will be done as per alphabetical order) accepted for CARBO-XXX.

S.No	Name	Name of the title	Presentation
1.	Arya Ajay	Stereoselective Editing of Sweet System	Poster
2.	Ashok Kr. Ranjan	Immunostimulant Fraction of Novel Heptasaccharide from Donkey's Milk	Poster
3.	Balram Singh	Development of Glyco bis-peptide Cationic amphiphiles for Antileishmanial Activity	Poster
4.	Divya Mishra	Synthesis of Cell Wall Oligosaccharide Corresponding to Pathogenic <i>Propionibacterium</i>	Poster
5.	Kanika Ghosh	Structural features of water-soluble antioxidative arabinogalactan from <i>Nyctanthes arbor-tristis</i> L. leaves that interacts with bovine serum albumin	Poster
6.	Kartikey Singh	A Strategy for the Synthesis of Anthraquinone-Based Aryl-C-glycosides	Poster
7.	Kaushik Bera	Polysaccharides from <i>Zingiber officinale</i> Rhizome: Structural features and antitussive activity	Poster
8.	Mukul R. Gupta	A New Acylated Pregnane Glycoside: A Journey with <i>Marsdenia Roylei</i>	Poster
9.	Narender Yadav	Application of ball milling to carbohydrate reactions: One-pot synthesis of triazole glycosides directly from glycosyl bromides	Poster
10.	Raja Rajeswari, J	Shelling, Milling and Tentative Quality Classification of Red Pigmented Paddy/Rice Varieties	Poster
11.	Priyanka Mangla	Chemo-enzymatic access to α -L-LNA monomers	Poster
12.	Rupsi Kharb	Anti-hyperlipidemic effect of plant extract X against coronary artery disease induced by hypercholesterolemia in rats	Poster
13.	Preethi S	Extraction and Purification of Polysaccharides from the fruits of <i>Pithecellobium dulce</i>	Poster

14	Santosh Ramdas Borkar	Synthesis of Neutral Polar Head Amphiphiles based on FTY720 Scaffold and Study of its Aqueous Phase Aggregation	Poster
15	Stuti Gupta	Multicomponent Reaction Involving Carbohydrate Derivatives and Pyrimidine-Fused Heterocycles	Poster
16	Vinod Khatri	Biocatalytic Synthesis of Sugar-PEG Based Polymers for Nanoformulation of Indocyanine Green and Nile Red	Poster
17	Washim Raja	In vitro antioxidative activity of a pectic arabinogalactan from <i>Solanum virginianum</i>	Poster
18	Mana Mohan Mukherjee	Synthesis of the Cap tetrasaccharide related to <i>Leishmania donovani</i> LPS	Poster
19	Sapna I	Development of convenience products from red and black rice on polyphenol characteristics	Poster
20	Sumanta Kumar Ghosh	Multivalent Glyco-nanoparticles from Guar Gum: Synthesis and Cellular Interactions	Poster
21	Ashrafi Hossain	Starch Digestibility of Maize Varieties and Factors Affecting The Digestibility	Poster
22	B. Pallavi	Microwave assisted synthesis of quinoline-4-carboxylic acids and their n-glycoconjugates	Poster
23	Kapil Upadhyaya	Identification of Gallic acid based Glycoconjugates as a novel anti-tumor agents targeting tubulin polymerization	Poster
24	Lalit Sharma	Role of Carbohydrate Moiety in Enhanced Micellar Encapsulation of drug Clofibrate	Poster
25	Neena Khanaa	Synthesis of β -C Glycosides and their Pegylation: Amphiphiles for Drug Delivery Applications	Poster
26	Noorullah Baig	Glucopyranosylamine derived <i>cis</i> -dioxo Mo(VI) complex as an efficient catalyst for the synthesis of bis(indolyl)methanes under solvent free condition	Poster
27	Periyasamy	Synthesis and Properties of Stimuli Responsive Sugar-based Gelators	Poster
28	Pooja kumari	Analysing the impact of Rheumatoid Arthritis	Poster

		associated Mutations on Pysin B30.2 Domain	
29	Seeni Meera	The effect of zinc oxide (ZnO) addition on the physical and morphological properties of cellulose aerogel beads	Poster
30	Soundarajan K	Synthesis of Novel Benzimidazole-Carbazole N-Glycosylamines and Their Self-Assembly into Nanofibers	Poster
31	Vimal Kumar	Selective oxidation of organic sulfides to sulfoxides using sugar derived cis-dioxo molybdenum(VI) complexes, it's kinetic and mechanistic studies	Poster
32	Komal Sharma	Mechanochemical synthesis of alditol-based triazole-linked lipid derivatives	Poster
33	Santosh Kumar	Acyl transfer reactions of carbohydrates, alcohols, phenols, thiols and thiophenols under green reaction conditions	Poster
34	Tanya Adak	Developing Beta Cyclodextrin Based Sensors For Early Detection Of Alzheimer's Disease	Poster
35	Kamalraj	Cardanol-carbohydrate conjugates: synthesis, characterization and gellation	Poster