



# Prabhat Kumar College, Contai

## CURRICULUM VITAE

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<b>Date of Joining the college</b>	: 17.05.2017	
<b>Area of Teaching:</b>	Stereochemistry, Acidity & Basicity of organic molecules, M.O., Reaction Mechanism, Substitution, Elimination, Addition, Carbohydrate, Aminoacids, Spectroscopy(UV, IR, NMR), Solutions & Colligative properties, Electro Chemistry, Heterocyclic Compounds.	
<b>Area of Specialization:</b>	Organic Chemistry	
<b>Areas of Research Interest:</b>	Structural Characterization and biological activities of Polysaccharides Isolated from Mushroom and Plant. Analysis of two dimensional NMR (DQF-COSY, TOCSY, ROESY, NOESY, HMBC, HSQC, HMQC, DEPT-135, DEPT-90, DEPT-45 etc)	
<b>Research Experience</b>	: Five Years, 2006-2011	
<b>Fellowships / Awards:</b>	CSIR-JRF &SRF	
<b>Publications:</b>	1. <b>Debsankar Das</b> , Swatilekha Maiti, Tapas K. Maiti, and Syed S. Islam, A new arabinoxylan from green leaves of <i>Litsea glutinosa</i> (Lauraeae): Structural and biological studies, <i>Carbohydrate Polymers</i> , 92,	



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2. **Debsankar Das**, Subhas Mondal, Sadhan K. Roy, Debabrata Maiti, Bibhas Bhunia, Tapas K. Maiti, Samir R. Sikdar, and Syed S. Islam, A (1→6)-β-glucan from a somatic hybrid of *Pleurotus florida* and *Volvariella volvacea*, isolation, characterization, and study of immunoenhancing properties, *Carbohydrate Research*, 345, 974–978, 2010.
3. **Debsankar Das**, Subhas Mondal, Debabrata Maiti, Sadhan K. Roy and Syed S. Islam, Structural characterization of dietary fiber of green Chalcumra (*Benincasa hispida*) fruit by NMR spectroscopic analysis, *Natural Product Communications*, 4(4), 547-552, 2009.
4. **Debsankar Das**, Subhas Mondal, Sadhan K. Roy, Debabrata Maiti, Bibhas Bhunia, Tapas K. Maiti, and Syed S. Islam, Isolation and characterization of a heteropolysaccharide from the corm of *Amorphophallus campanulatus*, *Carbohydrate Research*, 344, 2581-2585, 2009.
5. **Debsankar Das**, Debabrata Maiti, Krishnendu Chandra, Subhas Mondal, Arnab K. Ojha, Sadhan K. Roy, Kaushik Ghosh and Syed S. Islam, NMR and MALDI-TOF MS analysis of a heteroglycan isolated from hot water extract of edible mushroom, *Volvariella bombycina*, *Carbohydrate Research*, 343, 2258-2265, 2008.
6. Pradip Patra, **Debsankar Das**, Birendra Behera, Tapas K. Maiti, and Syed S. Islam, Structure elucidation of an immunoenhancing pectic polysaccharide isolated from aqueous extract of pods of green bean (*Phaseolus vulgaris* L.), *Carbohydrate polymers*, 87, 2169-2175, 2012.
7. Subhas Mondal, **Debsankar Das**, Debabrata Maiti, Sadhan K. Roy, and Syed S. Islam, Structural investigation of a heteropolysaccharide isolated from the green fruits of *Capsicum annum*, *Carbohydrate Research*, 344, 1130 □20095
8. Subhas Mondal, **Debsankar Das**, Sadhan K. Roy, and Syed S. Islam, Isolation, purification and structural characterization of an acetylated heteroglycan from the unripe fruits of *Manilkara zapota* L. *Carbohydrate Research*, 354, 74-78, 2012.
9. Sadhan K. Roy, **Debsankar Das**, Subhas Mondal, Debabrata Maiti, Bibhas Bhunia, Tapas K. Maiti, and Syed S. Islam, Structural studies of an immunoenhancing water-soluble glucan isolated from hot water extract of an edible mushroom, *Pleurotus florida*, cultivar Assam florida. *Carbohydrate Research*, 344, 2596-2601, 2009.
10. Sadhan K. Roy, Debabrata Maiti, Subhas Mondal, **Debsankar Das**, Syed S. Islam, Structural analysis of a polysaccharide isolated from the aqueous extract of an edible mushroom, *Pleurotus sajor-caju*, cultivar Black Japan, *Carbohydrate Research*, 343, 1108-1113, 2008.
11. Kousik Maity, Eshita Kar Mandal, Saikat Maity, Sanjoy K Gantait, **Debsankar Das**, Swatilekha Maiti, Tapas K Maiti, Samir R Sikdar, and Syed S Islam, Chemical analysis and study of immunoenhancing



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- and antioxidant property of a glucan isolated from an alkaline extract of a somatic hybrid mushroom of *Pleurotus florida* and *Calocybe indica* variety APK2, *International journal of biological macromolecules*, 49, 555-560, 2011.
12. Kousik Maity, Eshita Kar (Mandal), Saikat Maity, Sanjoy K. Gantait, **Debsankar Das**, Swatilekha Maiti, Tapas K. Maiti, Samir R. Sikdar, and Syed S. Islam, Structural characterization and study of immunoenhancing and antioxidant property of a novel polysaccharide isolated from the aqueous extract of a somatic hybrid mushroom of *Pleurotus florida* and *Calocybe indica* variety APK2, *International Journal of Biological Macromolecules*, 48, 304, 2011.
  13. Krishnendu Chandra, Kaushik Ghosh, Sadhan K. Roy, Subhas Mondal, Debabrata Maiti, Arnab K. Ojha, **Debsankar Das**, Soumitra Mondal and Syed S. Islam, A water-soluble glucan isolated from an edible mushroom *Termitomyces microcarpus*. *Carbohydrate Research*, 342, 2484-2489, 2007.
  14. Sadhan K. Roy, Krishnendu Chandra, Kaushik Ghosh, Subhas Mondal, Debabrata Maiti, Arnab K. Ojha, **Debsankar Das**, Soumitra Mondal, Indranil Chakraborty and Syed S. Islam, Structural investigation of a heteropolysaccharide isolated from the pods (fruits) of *Moringa oleifera* (sajina), *Carbohydrate Research*, 342, 2380-2389, 2007.
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  16. Debabrata Maiti, Krishnendu Chandra, Subhas Mondal, Arnab K. Ojha, **Debsankar Das**, Sadhan K. Roy, Kaushik Ghosh, Indranil Chakraborty and Syed S. Islam, Isolation and characterization of a heteroglycan from the fruits of *Astraeus hygrometricus*. *Carbohydrate Research*, 343, 817-824, 2008.
  17. Kaushik Ghosh, Krishnendu Chandra, Sadhan K. Roy, Subhas Mondal, Debabrata Maiti, **Debsankar Das**, Arnab K. Ojha and Syed S. Islam, Structural investigation of a polysaccharide (Fr. I) isolated from the aqueous extract of an edible mushroom, *Volvariella diplas*. *Carbohydrate Research*, 343, 1071-1078, 2008.
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  20. Soumitra Mandal, Ramsankar Sarkar, Pradip Patra, Chanchal K. Nandan, **Debsankar Das**, Sunil K.



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21. Ramsankar Sarkar, Chanchal K. Nandan, Soumitra Mandal, Pradip Patra, **Debsankar Das**, Syed. S. Islam, Structural characterization of a heteropolysaccharide isolated from hot water extract of the stems of *Amaranthus tricolor* Linn. (*Amaranthus gangeticus* L.) *Carbohydrate Research*, 344, 2412 □2009.
22. Sukesh Patra, Kankan K. Maity, Sanjoy K. Bhunia, Biswajit Dey, **Debsankar Das**, Soumitra Mondal, Bibhas Bhunia, Tapas K. Maiti, and Syed. S. Islam, Structural characterization of an immunoenhancing heteropolysaccharide isolated from hot water extract of the fresh leaves of *Catharanthus rosea*, *Carbohydrate Polymers*, 81, 584 □2010.
23. Kankan K. Maity, Sukesh Patra, Biswajit Dey, Sanjoy K. Bhunia, Soumitra Mandal, **Debsankar Das**, Dibyendu K. Majumdar, Swatilekha Maiti, Tapas K. Maiti, and Syed S. Islam, A heteropolysaccharide from aqueous extract of an edible mushroom, *Pleurotus ostreatus* cultivar: structural and biological studies, *Carbohydrate Research*, 346, 267-272, 2011.
24. Pradip Patra, Sunil K. Bhanja, Ipsita K. Sen, Ashis K. Nandi, Surajit Samanta, **Debsankar Das**, K. Sanjana P. Devi, Tapas K. Maiti, Krishnendu Acharya and Syed S. Islam, Structural and immunological studies of heteropolysaccharide isolated from the alkaline extract of *Tricholoma crassum* (Berk) Sacc, *Carbohydrate Research*, 362, 1-7, 2012.
25. Pradip Patra, Ipsita K. Sen, Sunil K. Bhanja, Ashis K. Nandi, Surajit Samanta, **Debsankar Das**, K. Sanjana P. Devi, Tapas K. Maiti, Krishnendu Acharya and Syed S. Islam, Pectic polysaccharide from immature onion stick (*Allium cepa*): Structural and immunological investigation, *Carbohydrate Polymers*, 92, 345-352, 2013.