

CURRICULUM VITAE

Dr. Ipsita Kumar Sen, M.Sc., Ph.D.
Assistant Professor | Department of Chemistry

Govt. General Degree College, Salboni
Koyma, Bhimpur, Paschim Medinipur -721516

Email: senipsitakumar007@gmail.com

Url: <https://orcid.org/0000-0001-8059-5582>



Personal Details:

Date of Birth: May 19, 1988
Nationality: Indian
Sex: Male
Marital Status: Married
Contact No: 8617498646
Permanent Address: Vill-Alinagar, P.O.-Keshiary,
Dist- Paschim Medinipur, P.I.N.-721133, W.B.

Educational Qualification:

- Ph.D. in Chemistry (2016): Vidyasagar University, Midnapore, W.B.
Supervisor: Prof. Syed Sirajul Islam
- M.Sc. in Chemistry (2010): Vidyasagar University, Midnapore, W.B.
(Organic Chemistry Specialization)
- B.Sc. in Chemistry (2008): Midnapore College, Vidyasagar University, Midnapore, W.B.

Awards:

- Junior Research Fellowship (AIR-40) in CSIR-UGC NET held in June, 2016.
- Silver Medal for securing 2nd rank in M.Sc. from Vidyasagar University in 2010.

Teaching Experience:

- 20th March 2020 to present : Assistant Professor in Chemistry (WBES) at Govt. General Degree College, Salboni.
- 9th October 2017 to 19th March 2020 : Lecturer in Chemistry (WBGs) at Sidhu Kanhu Birsa Polytechnic, Keshiary.

Areas of Research Interest:

- Structural characterization of fungal and bacterial polysaccharides with the help of 2D-NMR spectroscopy and study of their biological activities.
- Synthesis of polysaccharide based nanoparticles and study of their antibacterial activities against multiple drug resistant bacteria.
- Identification and design of Low Molecular Weight Organogelators (LMOGs) and study of their self-assembly properties.

Publications (39 International):

2020

1. Indranil Chakraborty, **Ipsita K. Sen**, Soumitra Mondal, Harekrishna Bar, Abhijit Nayak, Sunil K. Bhanja, Prasenjit Maity, **Journal of Transport and Health, (Accepted for Publication).**
2. Prasenjit Maity, Ashis K. Nandi, Manabendra Pattanayak, Dilip K. Manna, **Ipsita K. Sen**, Indranil Chakraborty, Sunil K. Bhanja, Atish K. Sahoo, Nibha Gupta, Syed S. Islam, **International Journal of Biological Macromolecules** 151 (2020) 305-311.

2019

3. Indranil Chakraborty, **Ipsita K. Sen**, Soumitra Mondal, Dilip Rout, Sunil K. Bhanja, Gajendra Nath Maity, Prasenjit Maity, **Biocatalysis and Agricultural Biotechnology** 22 (2019) 101425.
4. Sudip Some, Onur Bulut, Kinkar Biswas, Anoop Kumar, Anupam Roy, **Ipsita Kumar Sen**, Amitava Mandal, Octavio L. Franco, İkbâl Agah İnce, Kartik Neog, Sandip Das, Sayantan Pradhan, Subhadeep Dutta, Debjoy Bhattacharjya, Soumen Saha, Pradeep K. Das Mohapatra, Anil Bhuimali, B. G. Unni, Ahmet Kati, Amit Kumar Mandal, M. Deniz Yilmaz & Ismail Ocsoy, **Scientific Reports** 9 (2019) 14839.
5. Sandip Das, **Ipsita Kumar Sen**, Ahmet Kati, Sudip Some, Amit Kumar Mandal, Syed Sirajul Islam, Rabindranath Bhattacharyya & Aparna Mukhopadhyay, **International Microbiology** 22 (2019) 91-101.

2018

6. Manabendra Pattanayak, Prasenjit Maity, Surajit Samanta, **Ipsita K. Sen**, Dilip K. Manna, Ashis K. Nandi, Sandipta Ghosh, Krishnendu Acharya, Syed S. Islam, **International Journal of Biological Macromolecules** 107 (2018) 322-331.
7. Sudip Some, **Ipsita Kumar Sen**, Amitava Mandal, Tugrul Aslan, Yakup Ustun, Ebru Şebnem Yilmaz, Ahmet Kati, Ayse Demirbas, Amit Kumar Mandal and Ismail Ocsoy **Materials Research Express** 6 (2019) 012001.

2017

8. Manabendra Pattanayak, Surajit Samanta, Prasenjit Maity, Dilip K. Manna, **Ipsita K. Sen**, Ashis K. Nandi, Bibhash C. Panda, Sourav Chattopadhyay, Somenath Roy, Atish K. Sahoo, Nibha Gupta, Syed S. Islam, **International Journal of Biological Macromolecules** 95 (2017) 1037-1048.
9. Prasenjit Maity, Ashis K. Nandi, Dilip K. Manna, Manabendra Pattanayak, **Ipsita K. Sen**, Sunil K. Bhanja, Surajit Samanta, Bibhash C. Panda, Soumitra Paloi, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Polymers** 157 (2017) 1237-1245.

2015

10. Dilip K. Manna, Amit K. Mandal, **Ipsita K. Sen**, Praloy K. Maji, Soumyananda Chakraborti, Ranadhir Chakraborty, Syed S. Islam, **International Journal of Biological Macromolecules** 80 (2015) 455-459.
11. Surajit Samanta, Ashis K. Nandi, **Ipsita K. Sen**, Prasenjit Maity, Manabendra Pattanayak, K. Sanjana P. Devi, Somanjana Khatua, Tapas K. Maiti, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Research** 413 (2015) 22-29.
12. Manabendra Pattanayak, Surajit Samanta, Prasenjit Maity, **Ipsita K. Sen**, Ashis K. Nandi, Dilip K. Manna, Payel Mitra, Tapas K. Maiti, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Research** 413 (2015) 30-36.
13. Amit K Mandal†, **Ipsita K. Sen**†, Prasenjit Maity, Sourav Chattopadhyay, Ranadhir Chakraborty, Somenath Roy, Syed S. Islam, **International Journal of Biological Macromolecules** 79 (2015) 413-422. († Equal contribution)
14. Prasenjit Maity, **Ipsita K. Sen**, Praloy K. Maji, Soumitra Paloi, K sanjana P. Devi, Krishnendu Acharya, Tapas K. Maiti, Syed S. Islam, **Carbohydrate Polymers** 123 (2015) 350-358.

2014

15. **Ipsita K. Sen**, Amit K. Mandal, Ranadhir Chakraborty, Birendra Behera, Krishna K. Yadav, Tapas K. Maiti, Syed S. Islam, **Carbohydrate Polymers** 101 (2014) 188-195.
16. Prasenjit Maity, Ashis K. Nandi, **Ipsita K. Sen**, Manabendra Pattanayak, Sourav Chattopadhyay, Sandeep Kumar Dash, Somenath Roy, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Polymers** 114 (2014) 157-165.
17. Prasenjit Maity, Manabendra Pattanayak, Saikat Maity, Ashis K. Nandi, **Ipsita K. Sen**, Birendra Behera, Tapas K. Maiti, Pijush Mallick, Samir R. Sikdar, Syed S. Islam, **Carbohydrate Research** 395 (2014) 1-8.
18. Ashis K. Nandi, Surajit Smanta, Saikat Maity, **Ipsita K. Sen**, Somanjana Khatua, K sanjana P. Devi, Krishnendu Acharya, Tapas K. Maiti, Syed S. Islam, **Carbohydrate Polymers** 99 (2014) 774-782.
19. Prasenjit Maity, Surajit Smanta, Ashis K. Nandi, **Ipsita K. Sen**, Soumitra Paloi, Krishnendu Acharya, Syed S. Islam, **International Journal of Biological Macromolecules** 63 (2014) 140-149.

20. Sunil K. Bhanja, Dilip Rout, Pradip Patra, **Ipsita K. Sen**, Chanchal K. Nandan, Syed S. Islam, **Bioactive Carbohydrates and Dietary Fibre** 3 (2014) 52-58.

2013

21. **Ipsita K. Sen**, Praloy K. Maji, Birendra Behera, Tapas K. Maiti, Pijush Mallick, Samir R. Sikdar, Syed S. Islam, **International Journal of Biological Macromolecules** 53 (2013) 127-132.
22. **Ipsita K. Sen**, Praloy K. Maji, Birendra Behera, Tapas K. Maiti, Pijush Mallick, Samir R. Sikdar, Syed S. Islam, **Carbohydrate Research** 371 (2013) 45-51.
23. **Ipsita K. Sen**, Amit Kumar Mandal, Soumyananda Chakraborti, Biswajit Dey, Ranadhir Chakraborty, Syed Sirajul Islam, **International Journal of Biological Macromolecules** 62 (2013) 439-449.
24. **Ipsita K. Sen**, Kousik Maity, Syed S. Islam, **Carbohydrate Polymers** 91 (2013) 518-528.
25. Praloy K. Maji, **Ipsita K. Sen**, K Sanjana P. Devi, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, **Bioactive Carbohydrates and Dietary Fibre** 2 (2013) 73-83.
26. Saikat Maity, Sanjoy K. Bhunia, **Ipsita K. Sen**, Eshita Kar (Mandal), Kousik Maity, Birendra Behera, Tapas K. Maiti, Pijus K. Mallick, Samir R. Sikdar, Syed S. Islam, **Carbohydrate Research** 374 (2013) 89-95.
27. Surajit Samanta, Ashis K. Nandi, **Ipsita K. Sen**, Praloy K. Maji, K. Sanjana P. Devi, Tapas K. Maiti, Syed S. Islam, **International Journal of Biological Macromolecules** 61 (2013) 89– 96.
28. Ashis K. Nandi, Surajit Samanta, **Ipsita K. Sen**, K. Sanjana P. Devi, Tapas K. Maiti, Krishnendu Acharya, and Syed S. Islam, **Carbohydrate Polymers** 94 (2013) 918-926.
29. Praloy K. Maji, **Ipsita K. Sen**, K. Sanjana P. Devi, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, **Carbohydrate Research** 368 (2013) 22-28.
30. Kousik Maity, Surajit Samanta, Sunil K. Bhanja, Saikat Maity, **Ipsita K. Sen**, Swatilekha Maiti, Birendra Behera, Tapas K. Maiti, Samir R. Sikdar, Syed S. Islam, **Fitoterapia** 84 (2013) 15-21.
31. Surajit Samanta, Kousik Maity, Ashis K. Nandi, **Ipsita K. Sen**, K. Sanjana P. Devi, Shreemoyee Mukherjee, Tapas K. Maiti, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Research** 367 (2013) 33-40.

32. Pradip Patra, **Ipsita K. Sen**, Sunil K. Bhanja, Ashis K. Nandi, Surajit Samanta, Debsankar Das, K. Sanjana P. Devi, Tapas K. Maiti, Syed S. Islam, **Carbohydrate Polymers** 92 (2013) 345-352.
33. Amit K. Mandal, Krishna K. Yadav, **Ipsita K. Sen**, Arvind Kumar, Soumyananda Chakraborti, Syed S. Islam, Ranadhir Chakraborty, **Journal of Bioscience and Bioengineering** 115 (2013) 76-81.

2012

34. Ashis K. Nandi, **Ipsita K. Sen**, Surajit Samanta, Kousik Maity, K. Sanjana P. Devi, Shreemoyee Mukherjee, Tapas K. Maiti, Krishnendu Acharya, and Syed S. Islam, **Carbohydrate Research** 363 (2012) 43-50.
35. Ramsankar Sarkar, Chanchal K. Nandan, **Ipsita K. Sen**, Sanjoy K. Bhunia, Birendra Behera, Tapas K. Maiti, Syed S. Islam, **Journal of Carbohydrate Chemistry** 31 (2012) 686–701.
36. Pradip Patra, Sunil K. Bhanja, **Ipsita K. Sen**, Ashis K. Nandi, Surajit Samanta, Debsankar Das, K. Sanjana P. Devi, Tapas K. Maiti, Krishnendu Acharya, Syed S. Islam, **Carbohydrate Research** 362 (2012) 1-7.
37. Krishna K. Yadav†, Amit K. Mandal†, **Ipsita K. Sen†**, Soumyananda Chakraborti, Syed S. Islam, Ranadhir Chakraborty, **Applied Biochemistry and Biotechnology** 168 (2012) 1621–1634. († Equal contribution)
38. Saikat Maity, **Ipsita K. Sen**, Syed S. Islam, **Physica E** 45 (2012) 130-134.
39. Praloy K. Maji, **Ipsita K. Sen**, Birendra Behera, Tapas K. Maiti, Pijush Mallick, Samir R. Sikdar, Syed S. Islam, **Carbohydrate Research**, 358 (2012) 110–115.

Patents Filed:

1. Carbon Nanoparticle composite and the process of manufacture thereof, **IK Sen**, AK Mandal, M Hossain, AK Panda, MD Yilmaz, A Kati, DC Bhattacharya, IN Patent App 201631020500.
2. Biogenic Ag nanoparticulate system involving *Morus indica* L. V1 leaf extract and its method of manufacture, AK Mandal, S Some, A Bhumali, K Biswas, A Kumar, K Neogi, **IK Sen**, A Mandal, S Das, S Pradhan, S Dutta, PK Das Mohapatra, K Tiwary, I Ocoy, OL Franco, MD Yilmaz, IA Ince, A Kati, IN Patent App 201931011330.