

DR. SUDIPTA SAHA

Assistant Professor

M. Sc. (Chemistry), Ph. D.

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» **Overview:**

Dr. Sudipta Saha has completed his Bachelor's degree in Chemistry (Hons) and Master's Degree with specialization of Organic Chemistry from the University of Burdwan in 2006 and 2008 respectively. Then he was actively engaged in research work and obtained his Ph.D. degree in Science entitled "Anionic Polysaccharides from Plant Kingdom: Structural Features, Chemical Modifications and Biological Activities" in 2014 from the University of Burdwan. He has substantial contribution in the field of his research through the publications in several reputed International level journals like Carbohydrate Polymers, International Journal of Biological Macromolecules, Antiviral Chemistry & Chemotherapy, Food Science & Biotechnology. He has also completed his B.Ed. degree in ODL Mode in 2015 from Netaji Subhas Open University.

» **Date of appointment to the present job:**

01/04/2015

» **Other Academic/ Administrative post:**

- Bursar (02.01.2017 to till date) (<https://drive.google.com/file/d/1rz-T3-4rDB2FHA4nj0FM3HJWik9DKskD/view?usp=sharing>)
- NSS Programme Officer (06.08.2015-31.03.2018) (https://drive.google.com/file/d/1Ne4oNTtADqoHEGgKwFe7QV_nL9Iw7V4i/view?usp=sharing)
- Convener of Pay Packet, Salary & Arrear Posting Committee (02.02.2018 to till date) (<https://drive.google.com/file/d/1hgZL6adjg8sRxdNEA2IIVDz2aVIGZJnb/view?usp=sharing>)
- Member of the following committees: I. Tender and Purchase committee, II. Election Committee, III. Environment Awareness Committee. IV. Grievance and Sexual Harassment cell, V. Pay Packet, Salary & Arrear Posting Committee) (<https://drive.google.com/file/d/15Ch7BgMXGXSAI XuXBBlrmsxfuYPe8CSW/view?usp=sharing>)
- IQAC Member (January-2020 onwards) (https://tdbcollege.ac.in/iqac_committee.php)
- RUSA 2.0 Member (January-2019 onwards) (<https://tdbcollege.ac.in/rusa.php>)
- Coordinator of Dept. of Chemistry UG (May 2021 onwards)

» **Academic background:**

Teaching Experience: Organic Chemistry, Chemistry of Nanomaterials, Green Chemistry, Pharmaceutical Chemistry in both Theory and Laboratory in 7.5 Years.
Research Experience: Carbohydrate Chemistry, Sensor, Photochemistry, MOF

» **Professional Qualification:**

- **NET:** December 2007 (CSIR-UGC)
- **NET:** June 2008 (CSIR-UGC)
- **GATE:** March 2008 (IIT-Guwahati)

» **Information about Ph. D.:**

- **Date of Award:** 24/09/2014
- **Title of Thesis:** *Anionic Polysaccharides from Plant Kingdom: Structural Features, Chemical Modifications and Biological Activities.*
- **University Name:** The University of Burdwan

» **Publications in Journals:**

1. Saha, S., Navid, M. H., Bandyopadhyay, S. S., Schnitzler, P., & Ray, B. (2012). Sulfated Polysaccharides from *Laminaria angustata*: Structural features and in vitro antiviral activities. *Carbohydrate polymers*, 87, 123-130. (<https://www.sciencedirect.com/science/article/pii/S0144861711006163>)
2. Saha, S., Nosál'ová, G., Ghosh, D., Flešková, D., Capek, P., & Ray, B. (2011). Structural features and in vivo antitussive activity of the water extracted polymer from *Glycyrrhiza glabra*. *International Journal of Biological Macromolecules*, 48, 634-638. (<https://www.sciencedirect.com/science/article/pii/S0141813011000560>)
3. Saha, S., Galhardi, L. C. F., Yamamoto, K. A., Linhares, R. E. C., Bandyopadhyay, S. S., Sinha, S., Nozawa, C., & Ray, B. (2010). Water-extracted polysaccharides from *Azadirachta indica* leaves: Structural features, chemical modification and anti-bovine herpesvirus type 1 (BoHV-1) activity. *International Journal of Biological Macromolecules*, 47, 640–645. (<https://www.sciencedirect.com/science/article/pii/S014181301000259X>)
4. Chattopadhyay, N., Nosál'ová, G., Saha, S., Bandyopadhyay, S. S., Flešková, D., & Ray, B. (2011). Structural features and antitussive activity of water extracted polysaccharide from *Adhatoda vasica*. *Carbohydrate Polymers*, 83, 1970-1974. (<https://www.sciencedirect.com/science/article/pii/S014486171000888X>)
5. Ghosh, T., Auerchs, S., Saha, S., Ray, B. & Marschall, M. (2010). Anti-cytomegalovirus activity of sulphated glucans generated from a commercial preparation of rice bran. *Antiviral Chemistry and Chemotherapy*, 21, 85-95. (<https://doi.org/10.3851%2FIMP1685>)
6. Sinha, S., Bandyopadhyay, S. S., Ghosh, D., Chatterjee, U. R., Saha, S., Ghosal, P. K., & Ray, B. (2011). Structural Characteristics, Fluorescence Quenching, and Antioxidant Activity of the Arabinogalactan-Protein-rich Fraction from *Senna (Cassia angustifolia)* Leaves. *Food Science Biotechnology*, 20, 1005-1011. (<https://link.springer.com/article/10.1007/s10068-011-0138-y>)
7. Karmakar, P., Ghosh, T., Sinha, S., Saha, S., Mandal, P., Ghosal, P. K., & Ray, B. (2009). Polysaccharides from the brown seaweed *Padina tetrastratica*: Characterization of a sulphated fucan. *Carbohydrate Polymers*, 78, 416–421. (<https://www.sciencedirect.com/science/article/pii/S0144861709002641>)
8. Saha S., Kahar, B., RADICAL SCAVENGING ACTIVITY OF BIOPOLYMERS FROM NATURAL SOURCES, (2016), 7(2), PANCHAKOTESAYS. (<https://drive.google.com/file/d/1fmanAqiD0Q3Ade9y4Z05m9wkOyWcclMk/view?usp=sharing>)
9. Saha S., Anti-cancer agents from natural sources-A review, *International Journal of Scientific Research and Reviews*, (2018), 7(3), 1302-1325. (http://www.ijssr.org/down_1293.php)
10. Saha S., Novel Antitussive Agents from Natural Source-A Review, *International Journal of Scientific Research and Reviews*, (2018), 7(3), 1749-1768. (http://www.ijssr.org/down_1425.php)
11. Saha S., Review on comparative study between synthetic and natural product drug indigenous research, *International Journal of Research and Analytical Reviews*, (2019), 6(2), 489-494. (<http://www.ijrar.org/papers/IJRAR19K8191.pdf>)

12. Saha S., Review on Anti-Malarial Drugs Development from the Nature and Synthetic origin in Malaria Research, Journal of Emerging Technologies and Innovative Research, (2019), 6(5), 1089-1093. (<http://www.jetir.org/papers/JETIR1905S62.pdf>).
13. Kahar, B., Saha S., Recent policies on synthetic drugs, Biological drugs and Natural Products to combat SARS-CoV-2, Journal of Interdisciplinary Cycle Research, (2021), 13 (I), 1536-1555.
14. Saha S., Kahar, B., Effect of micronutrient zinc and boron on the aphid incidence of potato, (2021) International Journal of Entomology Research, 6 (1), 68-71.
15. Saha S., Versatile applications of ionic liquid Journal of Advanced Scientific Research, (2021), 12 (2), 01-07. (<https://sciensage.info/index.php/JASR/article/view/635>)
16. Dey A. K., Saha, S., Kahar, B., Impact of different planting dates on the incidence of plant and tuber damage caused by soil pests on potato, (2021), Advances in Bioresearch, 12 (5), 105-111.
17. Saha S., Bagdi A. K., Visible light-promoted photocatalyst-free activation of persulfates: a promising strategy for C–H functionalization reactions, (2022), Org. Biomol. Chem., 20, 3249-3262. DOI <https://doi.org/10.1039/D2OB00109H>

» **Books and Chapters:**

NA

» **Seminars, Conferences, Webinars and Workshops attended:**

- Seminars/ Webinars Attended: 22

» **Life Membership:**

NA

» **Professional Courses:**

- Orientation Programme/FDP/FIP: 04
- Refresher Course: 03
- Short Term Course: 01
- Workshop: 01