

DR. SUDIPTA SAHA

Assistant Professor

M.Sc (Chemistry); PhD (Chemistry)

Academic Background:-

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.

National level examinations qualified:

- i) CSIR- UGC test (NET) in **2007** (December) & **2008** (June)
- ii) GATE in 2008 [**GATE SCORE: 407 ALL INDIA RANK : 364; Percentile: 94.24**]

Date of appointment to the present job: 1st April 2015

Other Academic/ Administrative post:

1. Bursar (02.01.2017 to till date)

(<https://drive.google.com/file/d/1rz-T3-4rDB2FHA4nj0FM3HJWik9DKskD/view?usp=sharing>)

2. NSS Programme Officer (06.08.2015-31.03.2018)

(https://drive.google.com/file/d/1Ne4oNTtADqoHEGgKwFe7QV_nL9lw7V4i/view?usp=sharing)

3. Convener of Pay Packet, Salary & Arrear Posting Committee (02.02.2018 to till date)

(<https://drive.google.com/file/d/1hgZL6adjg8sRxdNEA2IIVDz2aVIGZJnb/view?usp=sharing>)

4. 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/15Ch7BgMXGXSAlxuXBBIrmxsfuYPe8CSW/view?usp=sharing>)

5. IQAC Member (January-2020 onwards)(https://tdbcollege.ac.in/iqac_committee.php)

6. RUSA 2.0 Member (January-2019 onwards)(<https://tdbcollege.ac.in/rusa.php>)

Information about M Phil/Ph D etc.:

PhD Topic:- "Anionic Polysaccharides from Plant Kingdom: Structural Features, Chemical Modifications and Biological Activities". Awarded on: 24/09/2014.

Publications:

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., Auerochs, 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/1fmanAqiDQO3Ade9y4Z05m9wkOyWccIMk/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 drugs in dengue 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>).

Seminars, Webinars and Conferences attended:

Seminar:-

1. **Saha S.**, Oral Presentation at 2nd Regional Science and Technology Congress (Western Region) on "Pharmacological activities of Polysaccharides from natural sources" organized by the University of Burdwan and Department of higher Education, Science and Technology and Biotechnology on 16th to 17th November, 2017.

https://drive.google.com/file/d/1ajSHBXNSlg_uMBAoT_ITmGOLP3LbLvEq/view?usp=sharing

2. **Saha S.**, Oral Presentation of entitled "Study of pharmaceutical activities of Some Metal ion complexes of Flavanoids and Coumarins" at National Seminar on Frontiers in Chemical Sciences organised by Trivenidevi Bhalotia College, Raniganj on 5th to 6th April **2018**.

<https://drive.google.com/file/d/1C7r60Sjc4jypayAAT74e1NHrcBUqF1Fp/view?usp=sharing>

3. **Saha S.**, poster presentation of entitled on "A review on natural product as anti diabetic agents" at two days International Seminar on Advancements in Chemical Sciences: Issues and Challenges" organized by the Department of Chemistry, Bidhan Chandra College, Asansol on 03rd and 04th February **2020**.

<https://drive.google.com/file/d/16eQadpdPhYhwY7ttiYHDrA7hhyqjEqZF/view?usp=sharing>

Webinars:-

Presentation:

1. **Saha S.**, Presentation of an e-Poster in one day International Webinar on "COVID-19, The facts and findings" organized by the Department of Chemistry, Sidho Kanho-Birsha University, Purulia, on 8th June, **2020**.

<https://drive.google.com/file/d/1sokWuQ4AnwZnXiZhO1qyvwx2MaWnkjU/view?usp=sharing>

Participation:

1. **Saha S.**, Presentation/Participation at "Living on the Edge with COVID-19", organized by IQAC, Triveni Devi Bhalotia College, Raniganj, West Bengal, India on 4th June, **2020**.

2. **Saha S.**, Presentation/Participation at 1st International webinar on New horizons of Chemistry organized by Dept Of Chemistry, Asansol B.C. College, on 19th June, **2020**.

3. **Saha S.**, Presentation/Participation 3 Days International Webinar on "Multidisciplinary Perspective on COVID-19 Pandemic" organized by UGC-HRDC, The University of Burdwan, on 8th - 10th June, **2020**.

4. **Saha S.**, Presentation/Participation at State level Webinar on "ADMINISTRATIVE AFFAIRS THRUSTING UPON PROMOTION OF COLLEGE TEACHERS /LIBRARIANS UNDER CAS" organized by IQAC of City College, Kolkata-9 on 11th July, **2020**.

5. **Saha S.**, Presentation/Participation at International Webinar on "Recent trends and prospects of Chemistry" organized by Dept of Chemistry, K.C. College, Hetampur, Birbhum, on 5th July, **2020**.

6. **Saha S.**, Presentation/Participation at one day national level webinar on "Metal-Organic Frameworks (MOFs) for Energy and Environment Related Applications" organised by the Department of Chemistry and IQAC, Mahadevananda Mahavidyalaya on 27th June, **2020**.

7. **Saha S.**, Presentation/Participation at online 3 days- training program "Environment and disaster :Integrated Risk , Resilience and sustainable development organized by National Institute of disaster management, Ministry of Home Affairs, Govt. of India, on 22nd to 24th June, **2020**.

8. **Saha S.**, Presentation/Participation at WEBINAR ON "SCOPE OF VIRTUAL LABS IN UG PHYSICS AND CHEMISTRY TEACHING" organized by IQAC and dept of Physics and Chemistry , Sarojini Naidu College for Women, Kolkata-28 on 30th June **2020**.

9. **Saha S.**, Presentation/Participation at one day International webinar on recent advances of biosensing for Covid-19 Kits and spectroscopic tools for detection of toxic metals, organized by IQAC and Department of Chemistry, Asansol Girls College, on 30th June **2020**.

10. Saha S., Presentation/Participation at one day webinar on Nutrition & Diet Perspective: COVID-19 Pandemic Scenario, organized by IQAC and Department of Chemistry, Asansol Girls College, on 6th June **2020**.

11. Saha S., Presentation/Participation at one day webinar on Pharmaceutical Chemistry, organized by Basanti Devi College in collaboration with UG Board of Studies of The University of Calcutta, on 6th June, **2020**.

12. Saha S., Presentation/Participation at two day International webinar on Current trends in Chemical and Material science organized by Department of Chemistry, Kazi Nazrul University, Asansol, on 3rd and 4th June, **2020**.

13. Saha S., Presentation/Participation at Webinar on RECENT TRENDS IN CHEMICAL SCIENCES: BASICS, APPLICATIONS AND PROSPECTS jointly organized by the Department of Chemistry and the IQAC, Narasinha Dutt College, dated 18th June, **2020**.

14. Saha S., Presentation/Participation at Webinar on "Chemistry and Biology: sustainable progress of Human civilization organized by Dept of Chemistry, P.K. College Contai, on 29th to 30th June, **2020**.

15. Saha S., Presentation/Participation at National Level WEBINAR ON "Environmental Protection through Biodiversity Conservation" organized by IQAC and dept of Zoology, Sarojini Naidu College for Women, Kolkata-28 on 5th June **2020**.

16. Saha S., Presentation/Participation at Internal Webinar on "Recent Advances in Chemistry" organized by dept of Chemistry and IQAC of Vivekananda Mahavidyalaya, Burdwan on 15th July **2020**.

17. Saha S., Presentation/Participation at TWO DAY INTERNATIONAL WEBINAR ON COVID 19: THE BIGGEST THREAT TO HUMAN CIVILIZATION AND MEDICAL SCIENCE organized by Netaji Mahavidyalaya, Arambagh, Hooghly, on 18th and 19th July, **2020**.

18. Saha S., Presentation/Participation at one day Webinar on Application of Radioisotopes and radiation in Human Healthcare, organized by the Heritage College on 29th June **2020**.

https://drive.google.com/file/d/13QRyKH05KkMx_qW0wwF99e_tfOrZ_bj/view?usp=sharing