Personal Profile

NAME	Dr. Kanika Ghosh
Designation	Assistant Professor
ADDRESS with Email	B. C. COLLEGE SIBDAS GHATAK SARANI, NEAR BUDHA WATER Tank, ASANSOL,WEST BENGAL, 713304 Email: ghosh.kanika7@gmail.com
Highest qualification	Ph D
TEACHING EXPERIENCE	2 years
TOPICS TAUGHT	Organic Chemistry
RESEARCH EXPERIENCE	7 years
REASEARCH AREA	Natural Products, Polysaccharides, Pharmacological Activity, Food technology, Biotechnology;
Award and Recognition (if any)	2012 CSIR-JRF-NET, CSIR, New Delhi 2015 WB-SET, WBCSC, West Bengal 2012 Dr. Sumanta Basu Memorial Medal, Burdwan University 2011 UGC-JRF-NET, CSIR, New Delhi 2011,2015 GATE, IIT, India 2010 Joint Admission test for M. Sc, IIT Madras, Chennai
Membership (if any)	Liife Member, Association of Carbohydrate Chemists & Technologist of India
Other activity (if any)	

List of Publications (chronological order-latest to oldest) (books, book chapters, journal and conference publications)

1. Mukherjee, S., **Ghosh, K.,** Hahn, F., Wangen, C., Strojan, H., Müller, R., Anand, N., Ali, I., Bera, K., Ray, B., Hutterer, C., Marschall, M., Ray S.(2019). Chemically sulfated polysaccharides from natural sources: Assessment of extraction-sulfation efficiencies, structural features and antiviral activities. ***International Journal of Biological Macromolecules***, *136* 521–530.
2. Banerjee, P., Mukherjee, S., Bera, K., **Ghosh, K.,** Ali, I., Khawas, S., Ray, B., & Ray, S. (2019). Polysaccharides from *Thymus vulgaris* leaf: Structural features, antioxidant activity and interaction with bovine serum albumin. ***International Journal of Biological Macromolecules,*** *125*, 580–587.
3. Khawas, S., Nosál'ová, G., Majee, S. K., **Ghosh, K.,** Raja, W., Sivová, V., & Ray, B. (2017). In vivo cough suppressive activity of pectic polysaccharide with arabinogalactan type II side chains of *Piper nigrum* fruits and its synergistic effect with piperine. ***International Journal of Biological Macromolecules***, *99*, 335–342

4. Majee, S. K., Bera, K., Raja, W., **Ghosh, K.,** Ray, S., & Ray, B. (2016). Structural highlights of an antioxidative arabinogalactan protein of *Lannea grandis* gum that stabilizes *β*-Lactoglobulin. ***Food Hydrocolloids,*** doi:10.1016/j.foodhyd.2016.06.016.
5. **Ghosh, K.,** Ray, S., Ghosh, D., & Ray, B. (2015). Chemical structure of the arabinogalactan protein from gum ghatti and its interaction with bovine serum albumin. ***Carbohydrate Polymers***, *117*, 370–376.
6. **Ghosh, K.,** Nosalova, G., Ray, S., Sivova, S., Nosal, S., & Ray, B. (2015). Extracted polysaccharide from *Nyctanthes arbor-tristis* leaves: Chemical and antitussive properties. ***International Journal of Biological Macromolecules****, 75*, 128–132.
7. **Ghosh, K.,** Ray, S., Bera, K., & Ray, B. (2015). Isolation and structural elements of a water-soluble free radical scavenger from *Nyctanthes arbor-tristis* leaves. ***Phytochemistry***, *115*, 20–26.
8. Majee, S. K., Ray, S., **Ghosh, K.,** Micard, V., & Ray, B. (2015). Isolation and structural features of an antiradical polysaccharide of *Capsicum annuum* that interacts with BSA. ***International Journal of Biological Macromolecules***, *75*, 144–151.
9. Raja, W., **Ghosh, K.,** & Ray, B. (2015). Structural element of an antioxidative pectic arabinogalactan from *Solanum virginianum*. ***Planta Medica Letters***, *2*, 57–60.
10. Nosál'ová, G., Majee, S. K., **Ghosh, K.,** Raja, W., Chatterjee, U. R., Jureˇcek, L., & Ray, B. (2014). Antitussive arabinogalactan of *Andrographis paniculata* demonstrates synergistic effect with andrographolide. ***International Journal of Biological Macromolecules****, 69*, 151–157.
11. Raja, W., Nosalova, G., **Ghosh, K.,** Sivova, V., Nosal, S., & Ray, B. (2014). Structural Elements of an Antioxidative Pectic Arabinogalactan from *Solanum virginianum*. ***Journal of Ethnopharmacology***, *156*, 41–46.
12. Chatterjee, U. R., Ray, S., Micard, V., Ghosh, D., **Ghosh, K.,** Bandyopadhyay, S. S., Ray, B., (2014). Interaction with bovine serum albumin of an antioxidative pectic arabinogalactan from *Andrographis paniculata*. ***Carbohydrate Polymers***, *101*, 342–348.
13. Ghosh, D., Ray, S., **Ghosh, K.,** Micard, V., Chatterjee, U. R., Ghosal, P. K., & Ghosh, D. (2013). Antioxidative carbohydrate polymer from *Enhydra fluctuans* and its interaction with bovine serum albumin. ***Biomacromolecules***, *14*, 1761–1768.
14. Ray, B., Hutterer, C., Bandyopadhyay, S. S., **Ghosh, K.,** Chatterjee, U. R., Ray, S., Zeittrager, I., Wagner, S., & Marschall, M. (2013). Chemically engineered sulfated glucans from rice bran exert strong antiviral activity at the stage of viral entry. ***Journal of Natural Product***, *76*, 2180–2188.