



Dr. Bibek Laha, M.Pharm
Assistant Professor

Dr. Laha is an M.Pharm in Pharmaceutics from WBUT, having 10 years of teaching experience. Earlier he worked as a marketing executive in a pharmaceutical company for 2 years, later he shifted to research field; there he worked as research assistant for more than 3 years. He grabbed twice, first prize in poster presentation in AICTE sponsored national conference held at Gupta College of Technological Sciences, Asansol in the year 2012 & Bengal College of Pharmaceutical Sciences & Research (BCPSR) in collaboration with Association of Pharmacy Teachers of India (APTI), Bengal Branch, Durgapur in the year of 2014 respectively. He is a life member of Indian Science Congress Association (ISCA). He has successfully guided ten postgraduate students and more than 40 graduate students for their project work.

Area of Research: Modification of polysaccharides and development of novel drug delivery devices.

Publication Details:

1. Somasree Ray, Subham Banerjee, Sabyachi Maiti, **Bibek Laha**, Saikat Barik, Biswanath SA and Uttam Kumar Bhattacharya. Novel interpenetrating network microspheres of xanthan gum-poly(vinyl alcohol) for the delivery of diclofenac sodium to the intestine-in vitro and in vivo evaluation. *Drug Delivery* 2010; 17(7): 508-519.
2. Amit Kumar Nayak, **Bibek Laha**, Kalyan Kumar Sen. Development of hydroxyapatite-ciprofloxacin bone-implants using Quality by design. *Acta Pharma*. 61 (2011) 25-36.
3. Sankhadip Bose, **Bibek Laha**, Subhasis Banerjee. Quantification of allicin by HPLC-UV analysis with effect of post-acoustic and microwave radiation on fresh garlic cloves. *Pharmacognosy Magazine* 2014; 10(38): 288-293.
4. Sankhadip Bose, **Bibek Laha**, Subhasis Banerjee. Anti-inflammatory activity of Isolated Allicin from Garlic with Post-Acoustic waves and Microwave Radiation, *Journal of Advanced Pharmacy Education & Research* 2013; 3 (4): 512-515.
5. Bodhisattwa Chakraborty, Uttam Kumar Bhattacharyya, Rana Datta, Manik Boral, **Bibek Laha**, Subhankar Nandy. Anti-inflammatory and anti-asthmatic activities of *Alangium lamarkii* (Alangiaceae). *Journal of Advanced Pharmacy Education & Research* 2013; 3(4):524-530.
6. **Bibek Laha**, Leena Kumari, Arpana Kashyap, Sabyasachi Maiti. Design and evaluation of polyvinyl-gum ghatti self-assembled nanoscale particles for oral delivery of simvastatin. *Nanobio Pharmaceutical Technology Application & Perspectives* 2014; pp.25-30 [ISBN: 978-935-107-293-5].
7. Sabyasachi Maiti, **Bibek Laha**, Leena Kumari. Synthesis of Ca⁺²-Al⁺³-xanthan biopolymer particles and evaluation of in vitro protein release behaviours. *International Journal of Biological Macromolecules* 2015; 75:173-178.
8. Sougata Jana, **Bibek Laha**, Sabyasachi Maiti. Boswellia gum resin/chitosan polymer composites: Controlled delivery vehicles for aceclofenac. *International Journal of Biological Macromolecules* 2015; 77:303-306.

9. Sabyasachi Maiti, **Bibek Laha**, Leena Kumari. Gellan micro-carriers for pH- responsive sustained oral delivery of glipizide. *Farmacia* 2015; 63 (6):913-921.
10. **Bibek Laha**, Mahua Bera, Adwiti Banerjee. In- vitro Characterization of Aceclofenac Loaded Xanthan Gum-Carrageenan Interpenetrating Network Microspheres *Pharma Innovations & Regulatory Considerations* 2016; pp. 15-18 [ISBN: 978-93-5267-071-0].
11. Somasree Ray, Pratyusha Sinha, Bibek Laha, Sabyasachi Maiti, Uttam Kumar Bhattacharyya, Amit Kumar Nayak. Polysorbate 80 coated crosslinked chitosan nanoparticles of ropinirole hydrochloride for brain targeting. *Journal of Drug Delivery Science and Technology*, 48 (2018) 21-29.
12. **Bibek Laha**^a, Rimpa Goswami^a, Sabyasachi Maiti^b, Kalyan Kumar Sen^a. Smart Karaya-Locust Bean Gum Hydrogel Particles for the Treatment of Hypertension: Optimization by Factorial Design and Pre-Clinical Evaluation, *Carbohydrate Polymers* 210 (2019) 274–288.
13. **Bibek Laha**, Sabyasachi Maiti. Design of Core-Shell Stearyl Pullulan Nanostructures for Drug Delivery. *Science Direct Material Today: Proceedings* 11 (2019) 620–627.
14. **Bibek Laha**, Sanjib Das, Sabyasachi Maiti, Kalyan Kumar Sen. Novel propyl karaya gum nanogels for bosentan: *in-vitro* and *in-vivo* drug delivery performance. *Colloids & Surfaces B: Biointerfaces*, 180 (2019) 263-272.

BOOK CHAPTER:

1. Sabyasachi Maiti, Sougata Jana, **Bibek Laha**. Cationic polyelectrolyte–biopolymer complex hydrogel particles for drug delivery., In book: *Design and Development of New Nanocarriers*, January 2018, pp.223-256.
2. **Bibek Laha**, Sabyasachi Maiti, Kalyan Kumar Sen, Subrata Jana. Nanoscale polysaccharide-based particles for the delivery of therapeutic molecules. In book: *Green Synthesis, Characterization and Applications of Nanoparticles*, January 2019, pp.347-368.

Conference Details:

1. One Day Seminar-cum-Workshop on **“Quality Assurance and GMP in Pharmaceuticals”** held on 2nd December, 2010 at Gupta college of Technological Sciences, Ashram More, G.T.Road , Asansol-713301, West Bengal.
2. AICTE Sponsored National Conference on **“Biopolymers, Bioactive agents & Delivery Strategies”** 7&8th April 2012. Venue: AJC BOSE HALL, Gupta college of Technological Sciences, Ashram More, G.T.Road , Asansol-713301, West Bengal.
3. National Seminar on **“21st Century Quality Challenges in Pharma Formulation Sector”** Organised by Dr. B.C.Roy College of Pharmacy and AHS, Durgapur on 21st April 2012.
4. A Seminar on **“High Throughput & Molecular Targeted Screening in Anticancer drug Discovery”** held on 11th November, 2013 at : AJC BOSE HALL, Gupta college of Technological Sciences, Ashram More, G.T.Road , Asansol-713301, West Bengal.
5. **2nd Pharma. Tech. IAPST Intenatoal Conference on “New Insights into Diseases and Recent Therapeutic Approaches”** held on 17th -19th January, 2014. Venue: Jadavpur University, Kolkata, 700032.
6. AICTE Sponsored National Conference on **“Complex diseases, Novel Thraprutic & Delivery Challenges”** on 23rd & 24th January 2014. Venue: AJC BOSE HALL, Gupta college of Technological Sciences, Ashram More, G.T.Road , Asansol-713301, West Bengal.
7. National Seminar on **“Pharmaceutical Profession and Research in India- Present Scenario and Future Perspectives”** Organized by Bengal College of Pharmaceutical Sciences & Research, Durgapur on 30th August 2014.
8. **1st Intenatoal Conference on “Innovations and Future Research Dimensions on Nano Bio-Pharmaceutical Technology”** Department of Pharmaceutical Technology, (Centre for Excellance in Nanobio Translational Research) held on 7th & 8th October, 2014. Venue: Anna University, BIT Campus, Tiruchirappalli-620024, Tamil Nadu, India.
9. **1st Intenatoal Conference on “Emerging Materials: Characterization & Application” EMCA-2014** Organized by National Institute of Technology Durgapur & CSIR- Central Glass and Ceramic Research Institute, held on 4th -6th December, 2014. Venue: Central Glass and Ceramic Research Institute, Kolkata, 700032.
10. National Seminar on **“Pharma Innovations & Regulatory Considerations”** Organized by Gupta College of Technological Sciences, Ashram More, G.T. Road, Asansol on 4th September 2016.
11. **2nd Intenatoal Conference on “Emerging Materials: Characterization & Application” EMCA-2017** Organized by National Institute of Technology Durgapur, held on 15th -17th March, 2017. Venue: Hotel City Residency, City Centre Durgapur.
12. National Seminar on **“Advances in Pharmaceutical Technology & Regulatory Issues”** Organized by Gupta College of Technological Sciences, Ashram More, G.T. Road, Asansol on 21st May 2017.
13. National Seminar on **“Recent Trends in Drug Discovery & Development”** Organized by Gupta College of Technological Sciences, Ashram More, G.T. Road, Asansol on 04st November 2017.
14. A Oneday workshop on **“Seek advice from a qualified healthcare professional before taking antibiotics”**. Antibiotics are a precious resource, so it is important to get the right advice before taking them” Organized by Gupta College of Technological Sciences, Asansol collaboration with Medicines Sans Frontiers on 16th November 2017