

Curriculum Vitae



NAME: Dr. GOURANGA NANDI

Designation Assistant Professor

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Subject Specialization: Pharmaceutics

Academic qualification:

2002: B.Pharm, Jadavpur University, India

2005: M.Pharm, Jadavpur University, India

2010: Ph.D in Pharmacy, Jadavpur University, India

Professional experiences:

Teaching Experience: 14.5 years

August 14, 2006 to October 10, 2018 : BCDA College of Pharmacy & Technology, Hridaypur, Kolkata-700127

October 11, 2018 to till date : Assistant Professor, Department of Pharmaceutical Technology, University of North Bengal, Darjeeling, W.B., India

Areas of Research Interest: Polysaccharide based drug delivery, fabrication of chemically modified polysaccharide in drug delivery, novel sustained release drug delivery

No. of Ph.D. students: (a) Supervised: 02 (b) Ongoing: 03

No. of M.Pharm. students: (a) Supervised: 00 (b) Ongoing: 03.

No. of Publications: (a) Journal(s): 20 (b) Book(s): 00 (c) Book chapter(s): 01

List of Publications:

Research papers:

20. Synthesis, characterization and fabrication of sodium carboxymethyl-okra-gum-grafted-polymethacrylamide into sustained release tablet matrix. Smita Patra, Nripendra Nath Bala,

Gouranga Nandi*. *International Journal of Biological Macromolecules*, 164 (2020) 3885 – 3900. (ISSN: 0141-8130) (**Impact factor 5.162**). (<https://doi.org/10.1016/j.ijbiomac.2020.09.025>).

19. Quality-by-Design approach for development of sustained-release multiple-unit beads of lamotrigine based on ion-cross-linked composite of pectin and okra mucilage: an in vitro appraisal. Soma Das, Ananya Ghosh, Abhijit Changder, **Gouranga Nandi***, L. K. Ghosh. *International Journal of Biological Macromolecules*, (2020), 163, 842 - 853. (ISSN: 0141-8130) (**Impact factor 5.162**). (<https://doi.org/10.1016/j.ijbiomac.2020.07.033>)

18. Formulation of extended-release beads of lamotrigine based on alginate and *Cassia fistula* seed gum by QbD approach. Dixita Jain, Akshay Sodani, Swapnanil Ray, Pranab Ghosh, **Gouranga Nandi***. *Current Drug Delivery*, (2020) 17 (5) 422 – 437. (ISSN: 1875-5704 online) (**Impact factor: 1.645**). DOI: [10.2174/1567201817666200317124022](https://doi.org/10.2174/1567201817666200317124022).

17. Okra and its various applications in drug delivery, food technology, healthcare and pharmacological aspects- a review, Soma Das, **Gouranga Nandi**, L. K. Ghosh, *Journal of Pharmaceutical Sciences and Research* 11 (6) (2019) 2139 – 2147 (ISSN: 0975-1459).

16. Poly (methacrylic acid)-grafted-okra gum: synthesis, characterization and evaluation as mucoadhesive, **Gouranga Nandi**, *Int. J. of Pharm.Sc. and Drug. Res.* (2019) 11(5); 250 -254. (ISSN: 0975-248X)

15. Effects of Viscoelastic Properties and Hydration Kinetic on Drug Release from the Tablet of Diclofenac Sodium Based on Poly (Sodium Acrylate)-Grafted-Gellan Matrix, **Nandi Gouranga**, *Journal of Drug Delivery & Therapeutics*, (2019) 9(5), 1 – 8. (ISSN: 2250-1177).

14. Graft-copolymer of Polyacrylamide-tamarind seed gum: Synthesis, characterization and evaluation of flocculating potential in peroral paracetamol suspension, **Gouranga Nandi***, Abhijit Changder, Lakshmi Kanta Ghosh, *Carbohydrate Polymers*, (2019), 215, 213 – 225. (ISSN: 0144-8617) (**Impact factor 7.182**).

13. Evaluation of stability of Ropinirole hydrochloride and Pramipexole dihydrochloride microspheres at accelerated condition, Koyel Kar, R. N. Pal, N. N. Bala, **Gouranga Nandi**, *International Journal of Applied Pharmaceutics*, (2018) 10 (4), 82 - 86. (ISSN: 0975-7058).

12. Tamarind seed gum-hydrolyzed polymethacrylamide-grafted –gellan beads for extended release of diclofenac sodium using 3² full factorial design, **Gouranga Nandi***, Amit Kumar Nandi, Najim Sarif Khan, Souvik Pal, Sibashish Dey, *International Journal of Biological Macromolecules*, (2018), 114, 214 - 225. (ISSN: 0141-8130) (**Impact factor 5.162**).

11. Sustained release gastroretentive tablet of metformin hydrochloride based on poly (acrylic acid)-grafted-gellan, Debjani Sarkar, **Gouranga Nandi***, Abhijit Changder, Prasenjit Hudati,

Sayani Sarkar & L. K. Ghosh, *International Journal of Biological Macromolecules*, (2017), 96, 137-148. (ISSN: 0141-8130) (**Impact factor 5.162**).

10. Viscoelastic, swelling kinetic and drug release characterization of poly(acrylic acid)-grafted-gellan, **Gouranga Nandi***, Subhankar Mukhopadhyay, N. Mondal, *Indo American Journal of Pharmaceutical Research* 7(01) (2017) 7503 – 7515. (ISSN: 2231-6876).

9. Gastroretentive extended release of metformin from methacrylamide-g-gellan and tamarind seed gum composite matrix, Rosy Priyadarshini, **Gouranga Nandi***, Abhijit Changder, Sailee Chowdhury, Sudipta Chakrabarty, L. K. Ghosh, *Carbohydrate Polymers*, (2016), 137, 100-110. (ISSN: 0144-8617) (**Impact factor 7.182**).

8. An overview of natural polysaccharides and their chemical modifications: application in drug delivery; **Gouranga Nandi**, Sailee Chowdhury, Sudipta Chakroborty, *Asio Journal of Drug Delivery* 1(1) (2015) 37 – 43. (ISSN: 2455-2828) (dids Link: <http://dids.info/didslink/12.2015-37726478/>).

7. Synthesis, characterization and evaluation of methacrylamide grafted gellan as sustained release tablet matrix, **Gouranga Nandi***, Poushali Patra, Rosy Priyadarshini, Santanu Kaity, L. K. Ghosh, *International Journal of Biological Macromolecules*, (2015), 72, 965-974. (ISSN: 0141-8130) (**Impact factor 5.162**).

6. Review on Yarsagumba (*Cordyceps sinensis*) - An Exotic Medicinal Mushroom, Sudipta Chakrobarty, Sailee Chowdhury, **Gouranga Nandi**, *International Journal of Pharmacognosy and Phytochemical Research*, 6(2) (2014) 339 – 346. (ISSN: 0975-4873). (**Impact factor 1.279**).

5. Formulation optimization of a floating once-daily matrix tablet of ofloxacin; N. Mondal, **Gouranga Nandi**, Sudeshna Acharya, B. K. Gupta, *American Journal of PharmTech Research* 4(2) (2014) article no. 70. (ISSN: 2249-3387).

4. Phytosomes- emerging thrust are of drug development technology, Sailee Chowdhury, Sudipta Chakroborty, **Gouranga Nandi**, N. N. Bala, *International Journal of Drug Formulation and Research* 5(1) (2014) 1 – 14. (ISSN: 2229-5054).

3. Stomach specific sustained delivery of metformin hydrochloride from a novel composite matrix, N. Mondal, **Gouranga Nandi**, L. K. Ghosh, B. K. Gupta, *International Journal of Drug Formulation and Research* 5(2) (2014) 140 – 152. (ISSN: 2229-5054).

2. Formulation optimization of a floating extended release matrix tablet of metformin hydrochloride, B. K. Gupta, S. S. Sethy, **Gouranga Nandi**, Debjani Sarkar, L. K. Ghosh, *American Journal of PharmTech Research* 2(4) (2012) article 55. (ISSN: 2249-3387).

1. Formulation and *In Vitro* Evaluation of Sunflower Oil Entrapped Within Buoyant Beads of Furosemide, Rammohan BERA, Bivash MANDAL, Manas BHOWMIK, Hriday BERA, Sanjoy K. DEY, **Gouranga NANDI**, Lakshmi K. GHOSH, *Scientia Pharmaceutica*, (2009), 77, 669-678. (ISSN: 2218-0532).

Book or Book Chapters:

In situ polymeric gels for topical drug delivery; p83-114 (2020).

DOI: https://doi.org/10.1007/978-3-030-46923-8_4

Advanced Biopolymeric Systems for Drug Delivery (Advances in Material Research and Technology book series). Nayak A., Hasnain M. (eds) Springer, Cham ISBN978-3-030-46922-1 (Print); ISBN:978-3-030-46923-8 (online)

Patent: Nil

Research Projects:

Title of the Project	Funding Agency	Year of Sanction and duration	Cost (INR)	PI or Co-PI	Status
Fabrication and in-vitro characterization of okra mucilage (<i>Hibiscus esculentus</i>) nanoparticles loaded with an antidiabetic phytoconstituent apigenin	University of North Bengal	2019-20	1.5 lakh	PI	Completed
Green-fabrication, characterization and evaluation of chemically modified natural polysaccharide based extended release fisetin loaded peroral nanoparticles for enhanced bioavailability, antioxidant and hypoglycemic efficacy	University Grant Commission	2019-2021	10 lakh	PI	Ongoing
Screening of some herbal hydrocolloids from North-Eastern Himalayas to fabricate them as mucoadhesive nasal gels	University of North Bengal	2020-21	1.5 lakh	PI	ongoing

Membership of Learned Societies: Live member of APTI

