

# Curriculum Vitae

**NAME: DR. DIPIKA MANDAL**

**Designation** Assistant Professor

**Mailing Address** Department of Pharmaceutical Technology, University of North Bengal, P.O.- NBU, Dist- Darjeeling, West Bengal, Pin -734013, India.

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**Subject Specialization: Pharmaceutics**

## Academic qualification:

2006: B.Pharm, Jadavpur University, India

2009: M.Pharm, Jadavpur University, India

2019: Ph.D in Pharmacy, Jadavpur University, India

## Professional experiences:

### Teaching Experience: 5 years

October 05, 2009 to July 30, 2011 : Lecturer, College of Pharmaceutical Sciences, Puri, Odisha., India

March 06, 2019 to till date : Assistant Professor, Department of Pharmaceutical Technology, University of North Bengal, Darjeeling, W.B., India

### Research Experience: 7 years

February 16, 2012- February 12, 2019 : Dr. V. Ravi Chandran Endowment Fund, UGC-RGNF

**Areas of Research Interest:** Novel Drug Delivery Systems, Microparticles, Nanoparticles, Nanoliposomes etc.

**No. of Ph.D. students:** (a) Supervised: Nil (b) Ongoing: Nil

**No. of M.Pharm. students:** (a) Supervised: 02 (b) Ongoing: 03.

**No. of Publications:** (a) Journal(s): 04 (b) Book(s): 00 (c) Book chapter(s): 06

## **List of Publications:**

### **Research papers:**

- **Mandal D**, Shaw T K, Dey G, Pal M M, Mukherjee B, Bandyopadhyay A K, Mandal M. Preferential hepatic uptake of paclitaxel-loaded poly-(D-L-lactide-co-glycolide) nanoparticles — A possibility for hepatic drug targeting: Pharmacokinetics and biodistribution. *Int. J. Biol. Macromol*, 2018, 112: 818-830.
- Shaw T K, **Mandal D**, Dey G, Pal M M, Paul P, Chakraborty S, Ali K A, Mukherjee B, Bandyopadhyay A K, Mandal M. Successful delivery of docetaxel to rat brain using experimentally developed nanoliposome: a treatment strategy for brain tumor. *DrugDeliv*, 2017, 24(1): 346-357.
- **Mandal D**, Ojha P K, Nandy B, Ghosh L K. Effect of Carriers on Solid Dispersions of Simvastatin (Sim): Physico-Chemical Characterizations and Dissolution Studies. *Der Pharmacia Lettre*, 2010, 2(4): 47-56.
- Manna S, Mal M, Bhowmik M, **Mandal D**. Therapeutic Agents for COVID-19: An Overview. *Current Drug Therapy*. 2021, 16, 22-44. [DOI:10.2174/1574885515999201111201713](https://doi.org/10.2174/1574885515999201111201713)

### **Book or Book Chapters:**

- Manna, S., Jana, S., **Mandal, D.**, Bhowmik, M., 2022. Marine biopolymer-based oral in situ gel: drug delivery application. *Marine Biomaterials Drug Delivery and Therapeutic Applications*. [https://doi.org/10.1007/978-981-16-4787-1\\_5](https://doi.org/10.1007/978-981-16-4787-1_5)
- Manna, S., Mal, M., Das, S., **Mandal, D.**, Bhowmik, M., 2021. Ionically gelled alginates in drug delivery. *Ionically Gelled Biopolysaccharide Based Systems in Drug Delivery*. [https://doi.org/10.1007/978-981-16-2271-7\\_2](https://doi.org/10.1007/978-981-16-2271-7_2)
- **Mandal, D.**, Paul, P., and Bhowmik, M., 2021. Stimulus-responsive gold nanotheranostic platforms for targeting the tumor microenvironment. *Multifunctional Theranostic Nanomedicines in Cancer*. DOI: <https://doi.org/10.1016/B978-0-12-821712-2.00003-7>
- Paul, P., Mandal, S., Dua, T.K., **Mandal, D.**, and Deepa, R.M., 2021. Smart multifunctional nanosystem: Next-generation drug delivery platform for drug-resistant breast cancer. *Multifunctional Theranostic Nanomedicines in Cancer*. DOI: <https://doi.org/10.1016/B978-0-12-821712-2.00012-8>
- Ojha, P.K., **Mandal, D.** and Roy, K., 2020. QSPR Modeling of Adsorption of Pollutants by Carbon Nanotubes (CNTs). In *Ecotoxicological QSARs* (pp. 477-511). Humana, New York, NY. DOI: [10.1007/978-1-0716-0150-1\\_20](https://doi.org/10.1007/978-1-0716-0150-1_20)
- Mukherjee, B., Chakraborty, S., Mondal, L., Satapathy, B.S., Sengupta, S., Dutta, L., Choudhury, A. and **Mandal, D.**, 2016. Multifunctional drug nanocarriers facilitate more

specific entry of therapeutic payload into tumors and control multiple drug resistance in cancer. In *Nanobiomaterials in Cancer Therapy* (pp. 203-251). William Andrew Publishing.

**Patent: Nil**

**Research Projects: Nil**

**Achievement & Awards:**

- Qualified GATE 2007
- Dr. V. Ravi Chandran Endowment Fund for Doctoral Study
- UGC Fellowship for Doctoral Study

**Membership of Learned Societies: Nil**