

## *List of Publications*

### **Research Papers:**

1. **Das, M.**; Solanki, A.; Joshi, A.; Devkar, R.; Seshadri, S.; Thakore, S.  $\beta$ -Cyclodextrin based dual-responsive multifunctional nanotheranostics for cancer cell targeting and dual drug delivery. *Carbohydrate Polymers*, **2019**, *206*, 694-705.
2. **Das, M.**; Nariya, P.; Joshi, A.; Vohra, A.A.; Devkar, R.; Seshadri, S.; Thakore, S. Carbon nanotube embedded cyclodextrin polymer derived injectable nanocarrier: A multiple faceted platform for stimulation of multi drug resistance reversal. *Carbohydrate Polymers*, **2020**, *247*, 116751-116763
3. **Das, M.**; Joshi, A.; Devkar, R.; Seshadri, S.; Thakore, S. Tumor homing dextran and curcumin derived amphiphilic dextran derived functional polymer self-assembling to tubule nanoarchitectures: A strategy for adorning the golden spice (curcumin) for taming the Red Devil (DOX). **(2021-Under review)**
4. **Das, M.**; Joshi, A.; Devkar, R.; Seshadri, S.; Thakore, S. Vitamin-H channeled self-therapeutic P-gp inhibitor nanomicelles for targeting the tumor milieu by pH and enzyme triggered hierarchical disassembly. **(2021-Under review)**

### **Review Articles:**

1. Solanki, A.; **Das, M.**; Thakore, S. A review on carbohydrate embedded polyurethanes: An emerging area in the scope of biomedical applications. *Carbohydrate Polymers*, **2018** *181*, 1003-1016
2. **Das, M.**; Solanki, A.; Ganesh, A.; Thakore, S. Emerging hybrid biomaterials for oxidative stress induced photodynamic therapy. *Photodiagnosis and Photodynamic Therapy*, **2021**, *34*, 102259-102268

## **Book Chapters:**

1. Title of the Chapter: **“Exploring the potential of polymers in cancer management”**

Authors: Sonal Thakore, Archana Solanki, **Manita Das**

Details: **Chapter 4, p 113-133**

Name of the Book: **Materials for Biomedical Engineering: Organic Nano and Micro structures**

ISBN: **978-0-12-919433-2**, Publisher: **Elsevier**

2. Title of the Chapter: **“Carbohydrate derived functional nanomaterials for drug delivery and environmental remediation”**

Authors: **Manita Das**, Falguni Shukla, Sonal Thakore

Details: **Chapter 16**

Name of the Book: Handbook of Functionalized Nanomaterials: Environmental Health and Safety

Publisher: **Elsevier**

Status: **In Press**

### **Poster Presentations**

1. **M. Das** & S. Thakore, Rationally designed carbohydrate derived multifunctional nanocarriers designed for cancer therapy: MDR Reversal and Targeted Drug Delivery, International Conference on Nano Science and Technology (ICONSAT 2020), a conference held at S.N. Bose National Center for Basic Sciences, Salt Lake, Kolkata, West Bengal in **March 2020**.
2. **M. Das** & S. Thakore, Nanotechnology endorsed therapeutic strategy for enhancing bioavailability of bioactive “Curcumin”: A new paradigm in cancer treatment, National Seminar on Advances in Chemistry of Bioactive Molecules (ACBAM-2020), a conference held at Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, in **January 2020**.
3. **M. Das** & S. Thakore, Engineered multifunctional nanoconjugates for photothermal therapy and multi drug delivery, National Seminar on Nano Drug Delivery (SNDD-

2019),, a conference held at Department of Pharmaceutics, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat in **October 2019**.

#### **ORAL PRESENTATIONS**

1. **M. Das & S. Thakore**, Functional polymers for multiple aspects of cancer management (Short Invited Talk), International Online Conference on Macromolecules (ICM 2020), a conference held at Mahatma Gandhi University, PD Hills, P.O Kottayam, Kerala in **November 2020**.
2. **M. Das & S. Thakore**, Functional Nano-formulations for Cancer Abatement via multiple aspects of Oncology Management, MSU Ph.D. Conclave 2020, a conference held at Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat in **February 2020**.
3. **M. Das & S. Thakore**, Studies on application of cyclodextrin in drug delivery, environmental remediation and chemical sensing, National Seminar on Applied Polymer Science and Technology(NSAPST-2019), a conference held at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat in **January 2019**.