

## List of Publications

1. Layered double hydroxides as effective carrier for anticancer drugs and tailoring of release rate through interlayer anions; **Sudipta Senapati**, Ravi Thakur, Shiv Prakash Verma, Shivali Duggal, Durga Prasad Mishra, Parimal Das, T. Shripathi, Mohan Kumar, Dipak Rana, Pralay Maiti; **J. Control. Release** **2016**,**224**, **186-198**.
2. Engineered Cellular Uptake and Controlled Drug Delivery Using Two Dimensional Nanoparticle and Polymer for Cancer Treatment  
**Sudipta Senapati**, Arun Kumar Mahanta, Dipak Rana and Pralay Maiti  
(Communicated)
3. Layered Double Hydroxides as an effective Gene delivery carrier; **Sudipta Senapati** and Pralay Maiti (**Manuscript under preparation**).
4. Biodegradable poly ( $\epsilon$ -caprolactone) as controlled drug delivery vehicle of vancomycin for the treatment of MRSA infection; Alok Rai, **Sudipta Senapati**, S K Saraf and Pralay Maiti; **J. Mater. Chem. B** **2016**, **4**, **5151-5160**.
5. Controlled drug release through regulated biodegradation of poly (lactic acid) using inorganic salts; Sunil Kumar, Shikha Singh, **Sudipta Senapati**, Akhand Pratap Singh, Biswajit Ray and Pralay Maiti; **Int. J. Biol. Macromol.** 2017,104, 487-497.
6. Novel shape memory behaviour in IPDI based polyurethanes: Influence of nanoparticle  
Satyam Srivastava, Arpan Biswas, **Sudipta Senapati**, Biswajit Ray, Dipak Rana, VK Aswal and Pralay Maiti; **Polymer** **2017**, **110**, **95-104**.
7. Optical Studies of Poly (9, 9-di-(2-ethylhexyl)-9H-fluorene-2, 7-vinylene) and its Nanocomposites; S Layek, Mihir Ghosh, KS Reddy, **Sudipta Senapati**, P Maiti and Subrata Sinha; **J. Appl. Spectrosc.** **2015**, **82**, **868-874**.

### Book Chapters:

1. Crystal-Melt Phase Change of Food and Biopolymers, Glass Transition and Phase Transitions in Food and Biological Materials; **Sudipta Senapati**, Dipak Rana and Pralay Maiti; **John Wiley & Sons**, March 2017.

**Conference contributions:**

1. APA International Conference on Polymer : Vision & Innovations, APA 2014, Feb. 19-21, 2014 New Delhi, India.
2. International Conference on Recent Advances in Polymer & Rubber Science & Technology (RAPT) -2014, Jan. 22-24, 2014, Calcutta University, Kolkata, India
3. International symposium on Polymer Science and Technology, Macro 2015, Jan.23-26, IACS, Kolkata, India
4. International symposium on Polymer Science and Technology, Macro 2017, Thiruvananthapuram, Kerala, India.