

# *List of Publications*

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Following papers have been published / communicated during Ph.D. work

1. *Influence of graphene on self-assembly of polyurethane and evaluation of its biomedical properties*  
[Dinesh K. Patel](#), Dipak Rana, Vinod K. Aswal, Swati Srivastva, Partha Roy and Pralay Maiti. *Polymer* **65** (2015) 183-192.
2. *Graphene as chain extender of polyurethane for biomedical application*  
[Dinesh K. Patel](#), Rajesh K. Singh, Santosh K. Singh, Vinod K. Aswal, Dipak Rana, Biswajit Ray and Pralay Maiti  
*RSC Advance* **6** (2016) 58628-58640.
3. *Influence of diamine modified graphene on polyurethane properties and its biological applications*  
[Dinesh K. Patel](#), Vivek Gupta Ashish Dwivedi, Sanjeev K. Pandey, Vinod K. Aswal, Dipak Rana, and Pralay Maiti  
**Communicated**
4. *Anti-cancer evaluation of quercetin embedded PLA nanoparticles synthesized by emulsified nanoprecipitation*  
Sanjeev K. Pandey, [Dinesh K. Patel](#), Ravi Thakur, Durga P. Mishra, Pralay Maiti and Chandana Haldar  
*Int. J. Biol. Macromolec.* **75** (2015) 521-529.
5. *Controlled release of drug and better bioavailability using poly(lactic acid-co-glycolic acid) nanoparticles*  
Sanjeev K. Pandey, [Dinesh K. Patel](#), Akhilendra K. Maurya, Ravi Thakur, Durga P. Mishra, Manjula Vinayak, Chandana Haldar and Pralay Maiti  
*Int. J. Biol. Macromolec.* **89** (2016) 99-110
6. *Effect of Isotacticity of Linear Poly(N-isopropylacrylamide) on its Gelation in Benzyl Alcohol*  
Chandra S. Biswas, Kheyath Mitra, Shikha Singh, [Dinesh K. Patel](#), Biswajit Maiti, Pralay Maiti and Biswajit Ray  
*J. Chem. Sci.* **128**, (2016) 941-950.

## **Book Chapters:**

1. *Nanoparticle Induced Phenomena in Polyurethanes, Advances in Polyurethane Biomaterials (February 2016) Woodhead Publishing group,*  
[Dinesh K. Patel](#), Arpan Biswas and Pralay Maiti
2. *Biodegradable polymers for potential delivery systems for therapeutics, Advance in Polymer Science (Elsevier) 2013, 254, 169-202*  
Sanjeev K. Pandey, Chandana Haldar, [Dinesh K. Patel](#) and Pralay Maiti
3. *Polyurethane Nanocomposites With Layered Silicates*  
[Dinesh K. Patel](#), Arun Kumar Mahanta and Pralay Maiti Elsevier in Press

## *International Conferences*

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1. 3<sup>rd</sup> FAPS Polymer Congress and Macro 2013 Conference May 15-18, 2013 IISc Bangalore India.
2. APA International Conference on Polymer: Vision & Innovations, APA 2014, Feb. 19-21, 2014 New Delhi, India.
3. International Conference on Recent Advances in Polymer & Rubber Science & Technology (RAPT) -2014, Jan. 22-24, 2014, Culcutta University, Kolkata, India.
4. International Conference on Polymeric Biomaterials, Bioengineering & Biodiagnostics October 27-30, 2014 New Delhi, India.
5. International symposium on Polymer Science and Technology, Macro 2015, Jan.23-26, IACS, Kolkata, India.
6. Conference on Advancements in Polymer Science & Technology, APA -2015, October 29-31, 2015, Saurashtra University, Rajkot, India.