

## **Dr. Sanjay Kumar**

### **Journal**

Singh B, Sharma V and Kumar S (2011) Synthesis of Smart Hydrogels By Radiation Polymerization For Use as Slow Drug Delivery Devices *The Canadian Journal of Chemical Engineering* 89(6):1596-1605.

Singh B, Sharma V, Kumar S et.al.(2009) Radiation Cross-linked Polymerization of Methacrylamide and Psyllium to Develop Antibiotic Drug Delivery Device *International Journal of Biological Macromolecules* 45(4):338-347.

Singh B, Chauhan N, Kumar S et.al.(2008) Psyllium and Copolymers of 2-Hydroxyethyl Methacrylate and Acrylamide Based Novel Devices For the Use in Colon Specific Antibiotic Drug Delivery *International Journal of Pharmaceutics* 352(0):74-80.

Kumar S (2008) Radiation Cross-linked Psyllium and Polyacrylic Acid Based Hydrogels For Use in Colon Specific Drug Delivery *Carbohydrate Polymers* 73(3): 446-455.

Singh B and Kumar S (2008) Synthesis and Characterization of Psyllium-NVP Based Drug Delivery System Through Radiation Crosslinking Polymerization *Nuclear Instruments and Methods in Physics Research* 266(15):3417-3430.

Singh B, Chauhan N and Kumar S (2007) Synthesis, Characterization and Swelling Responses of pH Sensitive Psyllium and Polyacrylamide Based Hydrogels For the Use in Drug Delivery (I) *Carbohydrate Polymers* 67(0):190-200.

### **Chapter(s) in Book:**

Kumar S (2015) Psyllium - A Natural Dietary Fibre and Therapeutic Agent *Trends In Physics- Proceedings of Quantum Delhi*: Apple Books.

### **Paper Presentation:**

Kumar S (2014) Food Security, Food Safety and Pesticides. *National Seminar On Food Security In India: Challenges And Ways –Ahead* Govt. college, Ghumarwin, H.P University, Shimla

Kumar S (2011) Synthesis of Smart Hydrogels by Radiation Polymerisation For Use In Slow Release of Insulin *National Symposium on Chemistry Innovations For Human Well Being* H.P University, Shimla.

### **Conference Proceedings:**

Kumar S (2016) Synthesis and Characterization of Radiation Crosslinked Psyllium-NVP Based Hydrogels for Use in Drug Delivery *National Conference in Chemistry: Environment & Harmonious Development* Indian International Centre, Delhi.