

## Publications in International Refereed Journals from Ph.D. Thesis

Sr. No	Publication Details	Impact Factor
1.	<b>Ravi R. Patel</b> , Sundeep Chaurasia, Gayasuddin Khan, Pramila Chaubey, Nagendra Kumar, Brahmeshwar Mishra. Highly water soluble mast cell stabilizer encapsulated solid lipid nanoparticles with enhanced oral bioavailability: Formulation, optimization, <i>in-vitro</i> and <i>in-vivo</i> characterizations. <i>Journal of Microencapsulation</i> , 2016 (Accepted; DOI: 10.3109/02652048.2016.1144819).	1.585
2.	<b>Ravi R. Patel</b> , Sundeep Chaurasia, Gayasuddin Khan, Pramila Chaubey, Nagendra Kumar, Brahmeshwar Mishra. Cromolyn sodium encapsulated PLGA nanoparticles: An attempt to improve intestinal permeation. <i>International Journal of Biological Macromolecules</i> , 2015; 83:249-258.	2.858
3.	<b>Ravi R. Patel</b> , Gayasuddin Khan, Sundeep Chaurasia, Nagendra Kumar, Brahmeshwar Mishra. Rationally developed core-shell polymeric-lipid hybrid nanoparticles as a delivery vehicle for cromolyn sodium: Implications of lipid envelop on <i>in-vitro</i> and <i>in-vivo</i> behaviour of nanoparticles upon oral administration. <i>RSC Advances</i> , 2015; 5 (93): 76491-76506.	3.84
4.	<b>Ravi R. Patel</b> , Nagendra Kumar, Gayasuddin Khan, Sundeep Chaurasia, Brahmeshwar Mishra. Investigation of critical variables of core-shell polymeric lipid hybrid nanoparticles by using plackett-burman screening design. <i>Advanced Science Letters</i> , 2014; 20 (5/6): 923-932.	1.256

## Publications in International Refereed Journals other than Ph.D. Thesis

Sr. No	Publication Details	Impact Factor
1.	Nagendra Kumar, Sundeep Chaurasia, <b>Ravi R. Patel</b> , Vikas Kumar and Brahmeshwar Mishra. Atorvastatin calcium loaded PCL nanoparticles: development, optimization, in-vitro and in-vivo assessments. <i>RSC Advances</i> , 2016; 6 (93): 16520-16532.	3.84
2.	Brahmeshwar Mishra, Ravi Padaliya, <b>Ravi R. Patel</b> . Exemestane Encapsulated Vitamin E-TPGS-Polymeric Nanoparticles: Preparation, Optimization, Characterization and In-vitro Cytotoxicity Assessment. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 (Accepted; 10.3109/21691401.2016.1163714.)	1.01
3.	Sundeep Chaurasia, <b>Ravi R. Patel</b> , Pramila Chaubey, Nagendra Kumar, Gayasuddin Khan, Brahmeshwar Mishra. Lipopolysaccharide based oral nanocarriers for improvement of bioavailability and anticancer efficacy of curcumin. <i>Carbohydrate Polymers</i> , 2015; 130: 9-17.	4.072
4.	Gayasuddin Khan, Sarita Yadav, <b>Ravi R. Patel</b> , Monika Bansal, Gopal Nath, Brahmeshwar Mishra. Development and evaluation of biodegradable chitosan films of metronidazole and levofloxacin for the management of periodontitis. <i>AAPS PharmSciTech</i> . 2015. (Accepted: 10.1208/s12249-015-0466-y).	1.64
5.	Nagendra Kumar, Sundeep Chaurasia, <b>Ravi R. Patel</b> , Vikas Kumar and Brahmeshwar Mishra. Atorvastatin calcium encapsulated eudragit nanoparticles with enhanced oral bioavailability, safety and efficacy profile. <i>Pharmaceutical Development and Technology</i> , 2015 (Accepted: 10.3109/10837450.2015.1108983).	1.202
6.	Balaram Gajra, <b>Ravi R. Patel</b> , Chintan Dalwadi. Formulation, optimization and characterization of cationic polymeric nanoparticles of mast cell stabilizing agent using box behnken experimental design. <i>Drug Development and Industrial Pharmacy</i> , 2015 (Accepted; 10.3109/03639045.2015.1064941).	2.101

7.	Sundeeep Chaurasia, Pramila Chaubey, <b>Ravi R. Patel</b> , Nagendra Kumar, Brahmeshwar Mishra. Curcumin-polymeric nanoparticles against colon-26 tumor-bearing mice: Cytotoxicity, pharmacokinetic and anticancer efficacy studies. <i>Drug Development and Industrial Pharmacy</i> , 2015 (Accepted; 10.3109/03639045.2015.1064941).	2.101
8.	Balaram Gajra, Chintan Dalwadi, <b>Ravi R. Patel</b> . Formulation and optimization of itraconazole polymeric lipid hybrid nanoparticles (lipomer) using box behnken design. <i>Daru Journal of Pharmaceutical Sciences</i> , 2015; (23):3.	1.68
9.	Nagendra Kumar, Sundeeep Chaurasia, <b>Ravi R. Patel</b> , Vikas Kumar and Brahmeshwar Mishra. Development and optimization of atorvastatin calcium loaded oral biodegradable polymeric nanoparticles using central composite design. <i>Advanced Science Letters</i> , 20(5/6), 2014, 984-993.	1.256
10.	Sundeeep Chaurasia, Nagendra Kumar, <b>Ravi R. Patel</b> , Brahmeshwar Mishra. Optimization of parameters for the fabrication of curcumin loaded polymeric nanoparticles using taguchi robust design. <i>Advanced Science Letters</i> , 2014; 20 (5-6): 1028-1038.	1.256
11.	Pramila Chaubey, <b>Ravi R. Patel</b> , Brahmeshwar Mishra. Scale up, optimization and stability analysis of curcumin loaded mannosylated chitosan nanoparticles for treatment of leishmaniasis. <i>Expert Opinion Drug Delivery</i> , 2014;11(8):1163-1181.	4.898
12.	Brahmeshwar Mishra and <b>Ravi R. Patel</b> . Gene Therapy for Treatment of Pancreatic Cancer. <i>Austin Therapeutics</i> , 2014; 1(1), 1-10.	-

**Presentations in International/national Conferences from Ph.D. Thesis**

Sr. No	Presentation Details
1.	<b>Ravi R. Patel</b> , Gayasuddin Khan, Sundeep Chaurasia, Nagendra Kumar, Brahmeshwar Mishra. Oral delivery of cromolyn sodium encapsulated solid-lipid nanoparticles for the treatment of allergic diseases. <i>4<sup>th</sup> Annual International Conference and Exhibition of SPER</i> , organized by SPER at DIT University, Dehradun on 27 <sup>th</sup> -28 <sup>th</sup> February, 2015.
2.	<b>Ravi R. Patel</b> , Sundeep Chaurasia, Gayasuddin Khan, Nagendra Kumar, Brahmeshwar Mishra. Biodegradable core-shell polymeric nanostructures as oral delivery carrier for cromolyn sodium. <i>4<sup>th</sup> International Conference on Nanotek and Expo (Nanotek-2014)</i> , at San Francisco, USA on 1 <sup>st</sup> -3 <sup>rd</sup> , December 2014.
3.	<b>Ravi R. Patel</b> , Sundeep Chaurasia, Gayasuddin Khan, Nagendra Kumar, Pramila Chaubey, Brahmeshwar Mishra. Lipo-polymeric nano hybrids for oral delivery of cromolyn sodium in pancreatic cancer. <i>International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics</i> , organized by IIT-Delhi at New Delhi, India on 27 <sup>th</sup> -30 <sup>th</sup> October, 2014.
4.	<b>Ravi R. Patel</b> , Nagendra Kumar, Gayasuddin Khan, Sundeep Chaurasia, Brahmeshwar Mishra. Investigation of critical variables of core-shell polymer lipid hybrid nanoparticles by using placket-burman screening design. <i>International Conference on Nanoscience and Nanotechnology</i> , organized by BBAU at Lucknow on 18 <sup>th</sup> -20 <sup>th</sup> , November 2013.

**Oral Presentations in International Conference from Ph.D. Thesis**

Sr. No	Oral Presentation Details
1.	<b>Ravi R. Patel</b> , Nagendra Kumar, Gayasuddin Khan, Sundeep Chaurasia, Brahmeshwar Mishra. Modelling of parameters involved in optimization of solid lipid nanoparticles carrying hydrophilic drug by using artificial neural network. <i>International Conference on Surface Science and Nanotechnology (ICON-NANO-2013)</i> , organized by Dharmsinh Desai University at Nadiad, Gujrat, India, on 10 <sup>th</sup> -12 <sup>th</sup> December, 2013.

## **AWARDS**

1. Received “**Best Poster Award**” for presenting the research work entitled as “Biodegradable core-shell polymeric nanostructures as oral delivery carrier for cromolyn sodium” at *4<sup>th</sup> International Conference on Nanotek and Expo (Nanotek-2014), at San Francisco, USA* on 1<sup>st</sup> -3<sup>rd</sup>, December 2014.
2. Selected amongst top 50 students from all over India to participate in the **Novartis Biotechnology Leadership Camp (BioCamp) 2015**, organized by *Novartis India*, at Hyderabad, held on 6<sup>th</sup>-8<sup>th</sup> July, 2015.