

DR. SUNDEEP CHAURASIA

+91-9818576996 | schaurasia@niper.ac.in

ACADEMICIAN & FORMULATION DEVELOPMENT PROFESSIONAL

BIOLOGICAL FORMULATIONS • CONTROLLED DRUG DELIVERY • BIODEGRADABLE FORMULATIONS

Dynamic & results driven Techno-commercial Scientist, Innovation and Pharma R&D professional with over 9.0+ years of experience (Industry & Research) in developing and improving formulations in Biological/Pharmaceutical R&D Division. Extensive experience with various dosage forms including Controlled drug delivery system using biodegradable polymeric materials, Complex Injection (Microspheres, 'STEALTH' Liposomes, Nanoformulations, Nanoemulsions), Oral solutions (Nano-droplet form) and Oral solids. Possesses proven skills to deliver strong R&D performance, lead scalable technology innovations, create winning product portfolios, derive cost control and deliver results within agreed budgets. Moreover, also involves in the presentations, reviewer of several international Journals, visiting lectures, literature search and technical writing skills related to Pharmacy education.

CORE COMPETENCIES

- Product Development
- QbD Approaches
- Technology Transfer
- Innovation-R&D
- Organizational skills
- Trouble shooting
- Teaching learning
- Team Building
- Cross – Functional Leadership
- Project Management
- Maintenance of Technical
- Safety audit of laboratory

PROFESSIONAL EXPERIENCE

- Currently working in Innovation and Pharma R&D Department (Injectable/Ophthalmic) at Ashland Inc., Hyderabad, Telangana, India.
- Past experience in Formulation R&D Department (Injectable/Ophthalmic) at Mankind Research Centre, Gurugram, Haryana, India.
- Past experience in Formulation R&D Department (Injectables/Complex Injectables Formulations and Biological products) at Virchow Biotech (P) Ltd, Gagillapur, RR Distt., Hyderabad, India.
- Past experience in Formulation R&D Department (Injectable) at Vee Excel Drugs and Pharmaceuticals (P) Ltd, Greater Noida (Delhi-NCR), India.

EXPERT SPEAKER/RESOURCE PERSON

Expert Speaker	Delivered a presentation on " <i>Microspheres Technology-From bench to bedside</i> " at 6 th International conference on Pharmacy Practice Clinical Research and Pharmacovigilance Trends (PPCRPV-2019) On 8 th -9 th December 2019 organized by Chitkara College of Pharmacy, Chitkara University, Punjab.
Resource Person	Virtual workshop on "Pharmaceutical dissolution science and applications" and delivered a talk on the topic " <i>Investigation of Dissolution and In vitro release profile of Ophthalmic Drug Delivery Systems</i> " held on 23 rd May, 2020, organized by Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida Campus, INDIA.
Expert Speaker	Delivered a presentation on " <i>Development of ocular dosage forms-Industrial perspectives</i> " at Two days National Webinar on Drug development: From Bench to bedside held on 20 th -21 st June, 2020, organized by Shree Santkrupa College of Pharmacy, Ghogaon, INDIA.
Resource Person	Delivered a presentation on " <i>Application of Biodegradable polymers for drug delivery and medical devices as per industrial perspectives</i> " at Gokaraju Rangaraju College of Pharmacy, GRCP, Webinar Series 2021 held on 27 th February, 2021, Hyderabad, INDIA.

Resource Person	Delivered a lecture on the topic " <i>Recent Advances in Medical Devices and Diagnostics: Material Sciences and Commercial Development as per Industrial Perspectives</i> " in the 05 days Faculty Development Programme on the theme of "Best practices in Innovation, Entrepreneurship and Intellectual Property Rights in Pharmaceutical sector: Prospective Trends" from July 5 th -9 th , 2021 organized by Amity Academic Staff College in Association with Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida Campus, INDIA.
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INDUSTRIAL ACCOMPLISHMENTS

Accomplishments @Ashland

- Certificate & special recognition for outstanding efforts supporting our strategy to achieve sustainable, profitable growth to positioned viatel™ bioresorbable polymers portfolios for drug delivery & medical devices application in south-east Asia region.
- Worked with Ashland's Ireland business development team to successfully executed complex polymeric injectable projects (Viatrix, Gufic, Lupin, cipla, Auxilla, FTF, Jodas & Amaterasu) and positioned Ashland, India as a key region in viatel™ polymers (PLGA/PDLLA) for injectables & ophthalmic service opportunities.
- Worked with Ashland's Ireland business development team to execute & signed two CDA, in-situ depot injection & carboxymethylcellulose based corticosteroids injection (NDA projects)- (Cronus & Clinuvel).
- Worked with Ashland's Korea commercial team to support customer for selection of bioresorbable polymers for injectable dermal fillers medical devices and Blanose™ CMC PH grades as suspending agent in injectables.
- Worked with US technical & business development team for idea generation and INNOVA project and launch, such as viatel™ ultra & vialose™ trehalose for biologic injectable formulations.
- Actively involved in generation of new sales tools as scientific contribution for promotion of viatel™ bioresorbable polymers, vialose™ trehalose and other parenteral excipients through Whitepaper, publications, poster/oral presentations and micro website in the APAC region, research organizations, pharma Industry and academic institutions.
- Worked with APAC team to focus lead applications research programme, customer intimacy and raise Ashland technology profile.
- Played an active role to position Ashland as a quality service provider in injectable, biologic, ophthalmic, medical devices, nasal, inhalation & derma segment.
- CAPEX-Independently established injectable lab @ Ashland R&D, center of excellence, Hyderabad, India

Accomplishments @Mankind and Virchow

- Successfully developed and exhibit batch taken for Injectable formulation of vitamin for US market.
- Successfully developed and Pre-ANDA filing of Otic suspension for US market.
- Successfully developed ophthalmic suspension & solution for US market and planning for EB.
- Successfully developed inhalation formulation for respiratory disorders (MDIs) for US market.
- Successfully developed and launched two polymeric Long-acting biodegradable 'DEPOT' Injections (peptide drugs) for ROW & India market.
- Successfully developed and launched oral Nano-droplets (Nanotechnology-SNEDDS, nano-droplet) of vitamin-based Food supplements for ROW & India market.
- Successfully developed and exhibit batch taken for Injectable formulation of phosphodiesterase-5 (PDE-5) inhibitor for ROW & India market.

Co-supervisor (PhD and M.Pharm students)

1. No. of PhD students-03 (1- submitted and 02-supervised)
2. No. M.Pharm Student-01 (completed)

CAREER ACCOMPLISHMENTS

2007	Received Certificate of Merit from U.P. Technical University, Lucknow India, for securing SIXTH Rank at University level examination in Bachelor of Pharmacy.
2009	Received Certificate of Merit from U.P. Technical University, Lucknow India, for securing FIRST Rank at University level examination in Master of Pharmacy.
2007	GATE Qualified conducted by IIT-Kanpur, UP, India.
2008	GATE Qualified conducted by IISc-Bangalore, Karnataka, India.
2010	Recipient of DST-INSPIRE Fellowship from Ministry of Science and Technology, New Delhi.
2008	3 Days workshop on "Advances in CADD and Design method" held at Department of Pharmaceutical Technology, MIET, Meerut, India, 4-6 Aug, 2008 as an Organization Committee Member.
2008	One day seminar on "PHARM D: A new definition of pharmacist" held at Department of Pharmaceutical Technology, MIET, Meerut, India, 7 th Sep, 2008 as an Organization Committee Member.
2014	Certificate of Honours, in "Spirit 2014", IIT(BHU), Varanasi, UP, India.
2014	International Travel Grant from Department of Science and Technology, New Delhi, Department of Biotechnology, New Delhi and IIT (BHU), Varanasi, India for attending conference in Bangkok, Thailand.
2015	Recipient of SPER Best Student (Ph.D.) Award from "4 th Annual International Conference and Exhibition on "Pharmaceutical Innovations for Global Excellence: Ignite, Invent, Implement" at DIT University, Dehradun, India on Feb 27-28, 2015.
2018	Certificate of Honored for successfully completed the training on "Fire Fighting, Mock Fire Drill and Emergency Handling Training" held at Mankind Research Centre Unit-1, Manesar, Haryana on 10.10.2018.
2019	Certificate of Appreciation for secured 4 th position in "SAFETY CROSS WORD" competition programme held at Mankind Research Centre Unit-1, Manesar, Haryana on 4 th to 10 th March.
2019	Certificate of Appreciation for secured 5 th position in "EASSY" competition programme held at Mankind Research Centre Unit-1, Manesar, Haryana on 4 th to 10 th March.
2019	Certificate of Appreciation in "SLOGAN" programme held at Mankind Research Centre Unit-1, Manesar, Haryana on 4 th to 10 th March.
2020	Certificate of Appreciation in "DHRUV AWARD"-UDAAN (Employee of the month) held at Mankind Research Centre Unit-1, Manesar, Haryana on February, 2020.
2022	Appointed as an "Review Editor" (Editorial Board) in Technological and Methodological Advances in Drug Delivery, Frontiers in Drug Delivery, Lausanne, Switzerland, Since March 31, 2022.
2022	Certificate & special recognition by Ashland Inc., USA for outstanding efforts supporting our strategy to achieve sustainable, profitable growth to positioned "Viatel bioresorbable polymers" portfolios in SEA region.
2023	Certificate of "BEST Oral Presentation Award" in 2nd international conference on current advances in pharmaceutical industry and development held on 17-18 March 2023, jointly organized by APR-JNTUH, Hyd.

PATENTS

1. Sundeep Chaurasia, Vure Prasad, Jakiya Fathima, Murali T. Reddy, Hemanth Nandigala. Pharmaceutical Nanoformulations of Vitamin D₃ for Oral Administration (Status: Published, 2018).
2. Sundeep Chaurasia, Brahmeshwar Mishra, Patel Ravi Rameshbhai. Improved pharmaceutical compositions of naringenin for oral delivery (Status: Published, 2019).
3. Sundeep Chaurasia. Process for preparing Dydrogesterone, (Status: Published, 2018).
4. Sundeep Chaurasia, Satish Chandra Upadhyay, Anil Kumar. Ophthalmic compositions of Bimatoprost (Status: Published in PCT WIPO, 2021).

PUBLICATIONS

1. Pragya Singh, Prashant Pandey, Dilip Arya Kumar, Meraj Anjum, Subramaniam Poonguzhali, Abhishek Kumar, Ravi Gupta, VijayKumar MR, Sanjay Singh, **Sundeep Chaurasia**, Ajay Dantuluri Kumar, Sean McMahan, Rajinikanth PS. Biomimicking dual drug eluting twisted electrospun nanofiber yarns for post-operative wound healing. *Biomedical Materials*, 18(035006), 2023, 1-14.
2. Aanchal Arora, Upendra Nagaich, Dilipkumar Pal, **Sundeep Chaurasia**, Neha Jain. Development and validation of UV-spectrophotometric method towards determination of Ripasudil Hydrochloride hydrate in pure and ophthalmic formulation. *Journal of Applied Spectroscopy*, 90(1), 2023, 1-7.
3. Rahul Hasija, **Sundeep Chaurasia**, Swati Gupta. Formulation design, optimization and in vivo evaluation of oral co-encapsulated resveratrol-humic acid colloidal nanocarriers. *Pharmaceutical development and Technology*, 26(9), 2021, 953-966.
4. **Sundeep Chaurasia**, Ravi R Patel, Prasad Vure, Brahmeshwar Mishra. Potential of cationic-polymeric nanoparticles for oral delivery of naringenin: *In vitro* and *in vivo* investigations. *Journal of Pharmaceutical Sciences*, 107(2), 2018, 706-716.
5. **Sundeep Chaurasia**, Ravi R Patel, Prasad Vure, Brahmeshwar Mishra. Oral naringenin-nanocarriers: Fabrication, optimization, pharmacokinetic and chemotherapeutic efficacy assessments. *Nanomedicine*. 12(11), 2017, 1243-1260.
6. **Sundeep Chaurasia**, Kuchukuntla Mounika, Vasudha Bakshi, Vure Prasad. 3-Month parenteral PLGA microsphere formulations of risperidone: Fabrication, characterization and neuropharmacological assessments. *Material Science and Engineering C*. 75C, 2017, 1496-1505.
7. **Sundeep Chaurasia**, Ravi R. Patel, Pramila Chaubey, Nagendra Kumar, Gayasuddin Khan and Brahmeshwar Mishra. Lipopolysaccharide based oral nanocarriers for improvement of bioavailability and anticancer efficacy of curcumin. *Carbohydrate Polymers*. 130(5), 2015, 9-17.
8. Vure Prasad and **Sundeep Chaurasia**. Performance evaluation of non-ionic surfactant based tazarotene encapsulated proniosomal gel for the treatment of psoriasis. *Material Science and Engineering C*, 79C, 2017, 168-176.
9. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar and Brahmeshwar Mishra. Rationally Developed Core Shell Lipo-Polymeric Hybrid Nanoparticles as a Delivery Vehicle for Cromolyn Sodium: Implications of Lipid Envelop on In vitro and In vivo Behaviour of Nanoparticles upon Oral Administration. *RSC Advances*. 93, 2015, 76491-76506.

10. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar and Brahmeshwar Mishra. Cromolyn sodium encapsulated PLGA nanoparticles: An attempt to Improve Intestinal Permeation. *International Journal of Biological Macromolecules*, 83, 2015, 249-258.
11. Pramila Chaubey, Shyam Lal Mudavath, Ravi R Patel, **Sundeep Chaurasia**, Shyam Sundar and Brahmeshwar Mishra. Mannose-conjugated curcumin-chitosan nanoparticles: Efficacy and toxicity assessments against *Leishmania donovani*. *International Journal of Biological Macromolecules*, 111, 2018, 109-120.
12. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Vikas Kumar, Brahmeshwar Mishra. Atorvastatin calcium loaded PCL nanoparticles: development, optimization, *in vitro* and *in vivo* assessments. *RSC Advances*, 6, 2016, 16520-16532.
13. Gayasudin Khan, Ravi R. Patel, Sarita Yadav, Nagendra Kumar, **Sundeep Chaurasia**, Gufran Ajmal, Pradeep K. Mishra, Brahmeshwar Mishra. Development, optimization and evaluation of tinidazole functionalized electrospun poly (ϵ -caprolactone) nanofiber membrane for the treatment of periodontitis. *RSC Advances*, 6, 2016, 100214-100229.
14. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Vikas Kumar, Brahmeshwar Mishra. Atorvastatin calcium encapsulated eudragit nanoparticles with enhanced oral bioavailability, safety and efficacy profile. *Pharmaceutical Development and Technology*, 22 (2), 2015, 156-167.
15. **Sundeep Chaurasia**, Pramila Chaubey, Ravi R. Patel, Nagendra Kumar and Brahmeshwar Mishra. Curcumin-polymeric nanoparticles against colon-26 tumor-bearing mice: Cytotoxicity, pharmacokinetic and anticancer efficacy studies. *Drug Development and Industrial Pharmacy*, 42(5), 2015, 694-700.
16. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Pramila Chaubey, Nagendra Kumar and Brahmeshwar Mishra. Highly water soluble mast cell stabilizer encapsulated solid lipid nanoparticles with enhanced oral bioavailability. *Journal of microencapsulation*, 33(3), 2016, 209-220.
17. **Sundeep Chaurasia**, Nagendra Kumar, Ravi R. Patel and Brahmeshwar Mishra. Optimization of parameters for the fabrication of curcumin loaded polymeric nanoparticles using taguchi robust design. *Advanced Science Letters*, 20(5/6), 2014, 1028-1038.
18. **Sundeep Chaurasia**, Rahul T. B. Mishra, Giriraj T Kulkarni. Sustained release effect of Piper betle leaves (PBL) extracts loaded chitosan microspheres and anticancer activity on Hep-2 cell lines. *Chinese Journal of Integrative Medicine* (Accepted in press). Impact Factor: 1.978
19. **Sundeep Chaurasia**, G.T. Kulkarni, L.N. Shetty. Phytochemical studies and *in vitro* cytotoxicity screening of *Piper betle* leaves (PBL) extracts. *Middle-East Journal of Scientific Research*, 6(5), 2010, 532-536.
20. **Sundeep Chaurasia**, GT Kulkarni, LN Shetty, Vivek K Pawar. Development and Validation of UV Spectroscopic Method for the Quick Estimation of *Piper betle* leaf (PBL) Extract. *International Journal of Current Pharmaceutical Research*, 3(2), 2011, 57-59.
21. **Sundeep Chaurasia**, Arvind K, Rahul K, UVS Sara, Giriraj T Kulkarni. Chronopharmaceutics: Concept and technologies. *Journal of Chronotherapy and Drug Delivery*, 2(2), 2011, 57-69.
22. **Sundeep Chaurasia**, Brahmeshwar Mishra. An overview on phytosomes: A gimmick or relevant approach to novel herbal drug delivery system. *Pharm Tech Medica*, 2(4), 2013, 309-315.

23. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Vikas Kumar and Brahmeshwar Mishra. Development and Optimization of Atorvastatin Calcium Loaded Oral Biodegradable Polymeric Nanoparticles Using Central Composite Design. *Advanced Science Letters*, 20(5/6), 2014, 984-993.
24. Brahmeshwar Mishra and **Sundeep Chaurasia**. Design of novel chemotherapeutic delivery systems for colon cancer therapy based on oral polymeric nanoparticles. *Therapeutic Delivery*, 8(1), 2017, 29-47.
25. Ravi R. Patel, Nagendra Kumar, Gayasuddin Khan, **Sundeep Chaurasia** and Brahmeshwar Mishra. Investigation of critical variables of core-shell polymer lipid hybrid nanoparticles by using plackett-burman screening design. *Advanced Science Letters*, 20(5/6), 2014, 923-932.
26. Mounika Mettu, Srinivas Dommeti, Jitendra C. Hugar, **Sundeep Chaurasia**, Vure Prasad. Fabrication of Triamcinolone Acetonide Cream and Ointment: Optimization, Evaluation and Pharmacodynamic Assessment. *International Journal of Pharmaceutical Sciences and Nanotechnology*, 10(2), 2017, 3653-3660.
27. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar and Brahmeshwar Mishra. Biodegradable Core-Shell Polymeric Nanostructures as Oral Delivery Carrier for Cromolyn Sodium. *Journal of Nanomedicine & Nanotechnology*. 5 (5), 2014, 251.
28. Vure Prasad and **Sundeep Chaurasia**. Development of effervescent tablet of alendronate sodium: An attempt to improve intestinal permeation. *International Journal of Pharmaceutical Sciences and Nanotechnology*. 11(1), 2018, 3990-3997.
29. Manasa Boda, **Sundeep Chaurasia**, Prasad Vure. Fabrication of topical piroxicam emulgel: *In vitro* and *ex vivo* assessments. *SB Bioequivalence and Bioavailability*. 1 (1), 2017, 1004.
30. Rahul Hasija, **Sundeep Chaurasia**, Swati Gupta. Assessment of polymeric nanoparticles to enhance oral bioavailability and antioxidant activity of resveratrol. *Indian Journal of Pharmaceutical Sciences*. 83(6), 2021, 1114-1128.
31. Vaishali Tawade, **Sundeep Chaurasia**, Saurabh Gupta, Rohan Rastogi, Ajay Dantuluri, Walter Liu, Sean McMahon, Yuji Shimizu. Smart Bioresorbable polymers for pharmaceuticals and medical devices. *Pharm Tech Japan*, 37(14), 2021, 59-64.
32. Bankar Anup Ramprasad, **Sundeep Chaurasia**, Indu Singh. Advanced stability-indicating RP-HPLC method for the quantification of lurasidone hydrochloride in bulk and PLGA-based in situ implant formulation. Available online 30 October 2024 (in press).

BOOKS

1. **Sundeep Chaurasia**. "Development of herbal drug delivery system for anticancer therapy". 2012. LAP LAMBERT Academic Publishing, GmbH & Co., Germany. (ISBN No. 978-3-659-24573-2).
2. Rajesh Verma and **Sundeep Chaurasia**. "Unidirectional, Buccal drug delivery system using natural polymers". LAP LAMBERT Academic Publishing, GmbH & Co., Germany, 2012. (ISBN No. 978-3-659-26518-4).

BOOK CHAPTERS

1. **Chaurasia S**, Tripathi R, Mishra B and Kulkarni GT: 3² Factorial design for formulation of Piper Bettle leaves (PBL) extract loaded chitosan microspheres and its in-vitro cytotoxicity study. In "Recent Advances in Ayuurvedic Pharmaceuticals", Reddy KRC (Ed.); Published by Excel India Publishers, New Delhi. pp: 37-38, 2011.

2. Brahmeshwar Mishra and **Sundeep Chaurasia**. "Nanomedicines for the treatment of respiratory diseases". Nanomedicine and Disease Treatment: Concept to Applications, APPLE Academic Press, Taylor and Francis Group, USA, 2019, Chapter 3, page no. 33-68 (E-Book ISBN: 9780429425714).
3. Manchanda S, Das N, Chandra A, Bandyopadhyay S, and **Chaurasia S**. "Fabrication of advanced Parenteral drug-delivery systems". DRUG DELIVERY SYSTEMS: Advances in Pharmaceutical Product Development and Research Series, Academic Press, Chapter 2, Edition 1st, Elsevier, 2019, page no. 47-84.
4. **Chaurasia S** and Mishra B: Synthetic polymers as biomaterials for the treatment of colon diseases: In " Advanced drug delivery systems for colonic disorders". Elsevier Academic Press, 2023, Chapter 5, pp: 95-120.

POSTER PRESENTATIONS

1. Pahuja V, **Chaurasia S**, Arvind K, kulkarni GT. Physicochemical Micromeritics Characterization of selected natural Hydrogels as pharmaceutical excipients. 60th Indian Pharmaceutical Congress, held at New Delhi, 12-14, Dec, 2008.
2. Chaudhary AS, Parabia MH, Pawar VK, Jakhmola V, **Chaurasia S**. Modification in Pharmacokinetic Parameters of ofloxacin to improve its bioavailability by using herbal ingredients. National conference on Advances in Pharmaceutical Technology and Drug Research, held at Swami Vivekanand College of Pharmacy, Rajpura, Patiala, 18th April, 2009.
3. **Sundeep Chaurasia**, GT Kulkarni, LN Shetty. Piper betle Leaf (PBL) Extract Loaded Sodium Alginate Microspheres for Anticancer Therapy. International Conference on RAPS, held at Department of Pharmaceutics, IT-BHU, Varanasi, 22-23, Dec, 2010.
4. **Chaurasia S**, Kumar N and Mishra B. Development and validation of a simple UV-visible spectrophotometric method for In-vitro determination of curcumin in Nano-phytoformulation dosage form. 82nd NASI, India, held at Department of Zoology, BHU, Varanasi, 29th Nov-1st Dec, 2012.
5. Kumar N, **Chaurasia S**, Patel R and Mishra B. Development of Polymeric oral nanoparticles of statin drug for better efficacy. 82nd NASI, India, held at Department of Zoology, BHU, Varanasi, 29th Nov-1st Dec, 2012.
6. **Chaurasia S**, Kumar N, Patel R and Mishra B. Formulation and optimization of novel Lipid-carbohydrate based nano-carrier system for curcumin by using Taguchi experimental design. 13th International symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, 22nd-23rd Jan, 2013, organized by Controlled release society-Indian Chapter, at Mumbai.
7. Kumar N, **Chaurasia S**, Patel R, Kumar V and Mishra B. Formulation and optimization of polymeric nanoparticles of Atorvastatin calcium by 3² full factorial design. 13th International symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, 22nd-23rd Jan, 2013, organized by Controlled release society-Indian Chapter, at Mumbai.
8. **Sundeep Chaurasia**, Brahmeshwar Mishra. Preparation and Physicochemical Characterization of lipid-carbohydrate based curcumin containing Nanosuspensions. CTDDR-2013, 5th International symposium on Drug Development for orphan/Neglected diseases, 26th-28th February, 2013, organized by CSIR-CDRI, at Lucknow.
9. Ravi R. Patel, 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. ICNN-2013, 18th-20th November, 2013, organized by Department of Applied Physics, BBAU at Lucknow.

10. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar, Brahmeshwar Mishra. Peroral delivery of mast cell stabilizer using PLGA nanoparticles for the treatment of allergic rhinitis: formulation, optimization and characterization. 41st The meeting and Exposition of the controlled release society, 13th to 16th July 2014, the Hilton Chicago, Chicago, USA. (PosterNo.476, <http://www.controlledreleasesociety.org/meetings/annual/abstracts/Pages/2014Abstracts.aspx>).
11. **Sundeep Chaurasia**, Ravi R. Patel, Nagendra Kumar, Pramila Chaubey, Gayasuddin Khan, Brahmeshwar Mishra. Enhanced oral bioavailability and anticancer efficacy of naringenin loaded polymeric nanoparticles in human colorectal cancer. International conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics, October 27-30, 2014, New Delhi, India.
12. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar, Pramila Chaubey, Brahmeshwar Mishra. Lipo-polymeric nano hybrids for oral delivery of cromolyn sodium in pancreatic cancer. International conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics, October 27-30, 2014, New Delhi, India.
13. Gayasuddin Khan, Ravi R. Patel, Nagendra Kumar, **Sundeep Chaurasia**, Pradeep K. Mishra, Brahmeshwar Mishra. Poly-ε-caprolactone electrospun nanofibers for controlled delivery of ciprofloxacin and tinidazole in the treatment of periodontitis. International conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics, October 27-30, 2014, New Delhi, India.
14. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Gayasuddin Khan, Vikas Kumar, Brahmeshwar Mishra. Biodegradable polymeric nanoparticles of rosuvastatin calcium: an attempt to improve oral bioavailability. International conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics, October 27-30, 2014, New Delhi, India.
15. **Sundeep Chaurasia**, Ravi R. Patel, Nagendra Kumar, Gayasuddin Khan, Brahmeshwar Mishra. Naringenin encapsulated lipid-carbohydrate based nanocarrier system to enhance oral bioavailability and in vivo anticancer efficacy. 3rd International conference and exhibition on pharmaceutical, nutraceutical and cosmeceutical technology 2014 (Pharma Tech 2014) 1-2 December, 2014, Bangkok, Thailand.
16. Brahmeshwar Mishra, **Sundeep Chaurasia**, Ravi R. Patel. Comparison of curcumin encapsulated lipid and polymeric nanoparticles against colon cancer: *In-vitro* and *In-vivo* efficacy studies. 3rd International conference and exhibition on pharmaceutical, nutraceutical and cosmeceutical technology 2014 (Pharma Tech 2014) 1-2 December, 2014, Bangkok, Thailand.
17. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Gayasuddin Khan, Vikas Kumar, Brahmeshwar Mishra. Development of atorvastatin calcium encapsulated polymeric nanoparticles using central composite design for the treatment of hyperlipidemia. 3rd International conference and exhibition on pharmaceutical, nutraceutical and cosmeceutical technology 2014 (Pharma Tech 2014) 1-2 December, 2014, Bangkok, Thailand.
18. Ravi R. Patel, **Sundeep Chaurasia**, Gayasuddin Khan, Nagendra Kumar, Brahmeshwar Mishra. Biodegradable core-shell polymeric nanostructures as oral delivery carrier for cromolyn sodium. 4th International conference on Nanotech and Expo, December 1-3, 2014, San Francisco, USA. Proceeding; J. Nanomed. Nanotechnol. 2014, 5:5 (<http://dx.doi.org/10.4172/2157-7439.S1.018>) **(BEST POSTER AWARD)**
19. **Sundeep Chaurasia**, Ravi R. Patel, Nagendra Kumar, Gayasuddin Khan, Brahmeshwar Mishra. Naringenin loaded eudragit E 100 nanoparticles: Optimization, stability and in vivo anticancer efficacy in colorectal cancer. 4th Annual International Conference and Exhibition, Theme:

“Pharmaceuticals Innovations for Global Excellence: Ignite, Invent, Implement” February, 27-28, 2015, DIT University, Dehradun.

20. Ravi R. Patel, Gayasuddin Khan, **Sundeep Chaurasia**, Nagendra Kumar, Brahmeshwar Mishra. Oral Delivery of Cromolyn Sodium encapsulated solid-lipid nanoparticles for the treatment of allergic diseases. 4th Annual International Conference and Exhibition, Theme: “Pharmaceuticals Innovations for Global Excellence: Ignite, Invent, Implement” February, 27-28, 2015, DIT University, Dehradun.
21. Gayasuddin Khan, Ravi R. Patel, Sarita Kumari Yadav, **Sundeep Chaurasia**, Nagendra Kumar, Brahmeshwar Mishra. Optimization of formulation variables involved in fabrication of poly-ε-caprolactone electrospun nanofibers by using central composite design. 4th Annual International Conference and Exhibition, Theme: “Pharmaceuticals Innovations for Global Excellence: Ignite, Invent, Implement” organized by SPER at DIT University, Dehradun, 27th-28th Feb, 2015.
22. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Gayasuddin Khan, Vikas Kumar, Brahmeshwar Mishra. Polymeric nanoparticles of atorvastatin calcium: Assessment of oral bioavailability, safety and efficacy studies. 4th Annual International Conference and Exhibition, Theme: “Pharmaceuticals Innovations for Global Excellence: Ignite, Invent, Implement” organized by SPER at DIT University, Dehradun, 27th-28th Feb, 2015.
23. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Gayasuddin Khan, Vikas Kumar, Brahmeshwar Mishra. Lipid and safety profile assessment of atorvastatin calcium loaded oral biodegradable polymeric nanoparticles in rats. “Proceedings of Pharma Middle East” organized by OMICS International at Dubai, UAE, 02-04 Nov, 2015.
24. Rahul Hasija, **Sundeep Chaurasia**, Swati Gupta. Eudragit based oral polymeric nanoparticles for the improvement of bioavailability and antioxidant activity of resveratrol. AICTE sponsored Two days National e-conference on "An alternatives to animal testing's: Replacement, Reduction, Refinement, Rehabilitation, Reuse and Recreation ('6' Rs) strategies to address current scenario" organized by Laureate Institute of Pharmacy, Kathog, Kangra (H.P.), 13th -14th July, 2020.
25. Rahul Hasija, **Sundeep Chaurasia**, Swati Gupta. Oral co-encapsulation of resveratrol and humic acid in polymeric nanocarriers to improves bioavailability and *in vitro* antioxidant effects at Pharma middle east congress, organized by Plenareno, Istanbul Consulting group, Turkey, 7th -8th December, 2020.
26. Rahul Hasija, **Sundeep Chaurasia**, Swati Gupta. QbD based resveratrol-humic acid co-encapsulated oral polymeric nanocarriers: optimization and *in vivo* bioavailability evaluation at PROF. AMBIKANANDAN MISRA memorial international e-conference on recent advances & trends in novel drug delivery systems organized by MSU Pharmacy alumni association & faculty of Pharmacy, MS University Baroda, held on 24th & 25th September 2021.
27. Aanchal Arora, **Sundeep Chaurasia**, Neha Jain. Analytical method development and validation of UV-spectrophotometric method towards determination of Ripasudil HCL hydrate in bulk and formulation at 11th Annual International Conference and Exhibition (SPER 2022) on “Digital Health Landscape in India- The need of the Hour” is being organized by the Department of Pharmacy, Faculty of Pharmaceutical Science & Nursing, Vivekananda Global University (VGU) Jaipur, in association with SPER on 18th-19th November 2022.
28. Bankar Anup Ramprasad, **Sundeep Chaurasia**, Indu Singh. Development and Validation of Lurasidone Hydrochloride Drug Substance and PLGA based In-situ Depot Forming Drug Product via Stability Indicating RP-HPLC Technique at 2nd International Conference on Current Advances in Pharmaceutical Industry and Development, 16th and 17th March 2023- JNTUH, Telangana, India **(BEST POSTER AWARD)**.

29. Bankar Anup Ramprasad, Sean McMahon, Ajay Kumar Dantuluri, **Sundeep Chaurasia**, Indu Singh. Development, optimization and characterization of 4-months lurasidone HCL loaded intradermal in-situ depot forming formulation at CRS 21st International symposium on Advances in technology and business potential of new drug delivery systems held on 24th & 25th Feb, 2023, at NMIMS campus, Mumbai.
30. Bankar Anup Ramprasad, Sean McMahon, Ajay Kumar dantuluri, **Sundeep Chaurasia**, Indu Singh. Design and development of in-situ forming injectable thermoresponsive hydrogels for extended delivery of lurasidone hydrochloride at SPER 13th Annual international conference & Exhibition (SPER-24) held at JNTUH, hyderabad on 2nd and 3rd Feb 2024. **(BEST POSTER AWARD)**
31. Aanchal Arora, Neha Jain, **Sundeep Chaurasia**. Development and characterization of ocular in-situ gelling system for the treatment of glaucoma at SPER 13th Annual international conference & Exhibition (SPER-24) held at JNTUH, hyderabad on 2nd and 3rd Feb 2024.

ORAL PRESENTATIONS

1. **Sundeep Chaurasia**, Thomas durig, Ajay Dantuluri, Walter Liu. Design, development and optimization of stable lyophilized protein formulations by vialose™ trehalose dihydrate during freeze drying process at 2nd International conference on current advances in pharmaceutical industry and development, organized by Association of pharmaceutical research-JNTUH, Hyderabad held on 16-17 March, 2023. **(BEST ORAL PRESENTATION AWARD)**
2. **S. Chaurasia**, R. Tripathi, B. Mishra and G.T. Kulkarni. 3² Factorial design for formulation of Piper betle Leaves (PBL) extract loaded chitosan microspheres and its in-vitro cytotoxicity study. International Conference on Recent Advances in Ayurvedic Pharmaceutics held at Department of Rasa Shastra, Faculty of Ayurveda, Institute of Medical Sciences, BHU, Varanasi, 14-15, Oct, 2011.
3. **Sundeep Chaurasia**, Nagendra Kumar, Ravi R. Patel, Brahmeshwar Mishra. Optimization of Parameters for the fabrication of curcumin loaded polymeric nanoparticles using taguchi robust design. ICNN-2013, 18th-20th November, 2013, organized by Department of Applied Physics, BBAU at Lucknow.
4. Nagendra Kumar, **Sundeep Chaurasia**, Ravi R. Patel, Vikas Kumar, Brahmeshwar Mishra. Development and Optimization of Atorvastatin calcium loaded oral biodegradable polymeric nanoparticles using central composite design. ICNN-2013, 18th-20th November, 2013, organized by Department of Applied Physics, BBAU at Lucknow.
5. Ravi R. Patel, 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. ICON-NANO-2013, International conference on surface science and nanotechnology. 10th-12th December, 2013, organized by DDU, Nadiad, Gujrat.

CONFERENCE AND WORKSHOP ATTEND

1. 3rd annual conference of Indian hospital Pharmacists Association, held at St. Stephen Hospital, New Delhi, 17th Oct, 2004.
2. 4th national convention of Indian Hospital Pharmacists association, Held at scientific Convection Centre, KGMC, Lucknow, 9th oct, 2005.
3. One day Training on BROOKFIELD Viscometers Ltd, on 18th June, 2008 at MIET, Meerut.
4. 60th Indian Pharmaceutical Congress, held at New Delhi, 12-14 Dec, 2008.

5. Certificate of Appreciation for organizing committee member for outdoor game held during 20th-25th march 2010 at DJ College of Pharmacy, Modinagar, India.
6. Third Science Conclave: A Congregation of Nobel Laureates, (supported by MHRD and DST), held during 08-14 Dec, 2010 at IIT-Allahabad, India.
7. International Conference on RAPS, held during 22-23 Dec, 2010 at Department of Pharmaceutics, IT-BHU, Varanasi, India.
8. Science Academies Lecture workshop Molecular spectroscopy: Theory, Instrumentation and Applications, held during 2-3 March, 2012 at Department of Chemistry, BHU, Varanasi, India.
9. Technology Entrepreneurship Development Programme in Food processing during 3rd august to 1st September, 2012, at IIT (BHU), Varanasi, India.
10. Certificate of Participation in Garuda Boot Camp on National Computational Grid (GBC-2013) held during March 06-07, 2013 at IIT (BHU), Varanasi, India.
11. Author workshop jointly organized by Springer and IIT (BHU), during 10th Feb, 2014 at IIT (BHU), Varanasi, India.
12. Attend a seminar on "Material Characterization Techniques in Pharmaceutical Formulations and Biomaterials" held during Feb, 09, 2015 at Department of Pharmaceutics, IIT (BHU), Varanasi, India.
13. Attend conference cum workshop as delegates on "LYOTALK 2017" held during Feb, 23-24, 2017 at Hotel NOVOTEL AIRPORT, Hyderabad, India.
14. Attend One day seminar as delegates on "EVONIK-Competitive Advantage For Pharma Value Chain" held during SEP, 12, 2017 organized by Evonik India (p) Ltd, Hyderabad, India.
15. Attend One day detailed training on "Operation and Maintenance of IKA high speed homogenizer Model T25" held during 29th June, 2017 at Virchow Biotech (P) Ltd., Hyderabad.

PROFESSIONAL MEMBERSHIP

1. The Indian Hospital Pharmacists Association, Associate Life Member: 50464.
2. Society of Pharmaceutical Education and Research (SPER), Life Member: SPER/LM/UP/054.

COMPUTER PROFICIENCY

1. Windows operating systems and application software like MINI Tab 16.0.
2. Scientific data retrieval from various internet portals like Science Direct, SciFinder, PubMed, IPD analytics, Regulatory bodies portal like USFDA, EMEA, MHRA, ICH, USPTO, Clinical.gov, Drug bank, EMC, WIPO-PCT and Rxlist.

PROFESSIONAL QUALIFICATION

Degree	Subject	University/Institute
Ph.D.	Pharmaceutics	Indian Institute of Technology (Banaras Hindu University), Varanasi
M. Pharm (HONS.)	Pharmaceutics	UP Tech. Univ. Lucknow (MIET, Meerut)
B. Pharm (HONS.)	Pharmacy	UP Tech. Univ. Lucknow (BBDNITM, Lucknow)
DPQCQAM (Corresp.)	QC and QA	IPER, Pune