

**Mr. Birender Singh**

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**Publications (07)****Research Papers: (07)**

1. **Birender Singh\***, Devender Chauhan, Sangeet Kumar Sharma, Naveen. Development and Validation of a RP-HPLC Method for Simultaneous Estimation of Domperidone and Naproxen Sodium in a Bulk and in Tablet Dosage Form. International Journal of Pharmaceutical Research and Applications. 2023; 8(1):1655-1685. ISSN: 2249-7781.
2. Reetu Rani, Devender Chauhan, **Birender Singh**, Vineet Vashisth, Sunil K. Batra. Formulation and Evaluation of Microspheres of Diclofenac Sodium. International Journal of Pharmaceutical Research and Applications. 2023 ;8(1) 2292-2329. ISSN : 2249-7781.
3. Arun, Dr. Reena Sheoran, Devender Chauhan, **Birender Singh**, Himanshu Gupta. Nutraceutical Products in COVID-19 Management and Regulatory Aspects In INDIA, USA And JAPAN. International Journal of Creative Research Thoughts. 2023; 11(5): M476-494. ISSN: 2320-2882.
4. Ramya Gollamudi, Mukesh Bansal, Anjali Bharadwaj, **Birender Singh**, Sachin Sharma. Role Of Cholesterol Content In Enhancing The Stability Of Liposomal Drug Carriers Journal of Population Therapeutics & Clinical Pharmacology 2023; Vol.30 No. 19 JPTCP (01-07). ISSN:2561-8741.
5. **Birender Singh\*** Devender Chauhan. Development And Validation Of RP-HPLC Method For Simultaneous Estimation Of Tamulosin And Dutasteride In A Bulk And Tablet Dosage Form. International Journal of Pharmaceutical Sciences and Research. 2025; Vol. 16(7): 1000-20. E-ISSN: 0975-8232; P-ISSN: 2320-5148.
6. Benito Johnson, Patibandla Jahnavi, Shital Vijay Nehere, Diksha Thakur, Monika, Hemant Tawale, **Birender Singh**, Nayyar Parvezs “Phytochemical Profiling and Pharmacological Evaluation of Ethanolic Extract of Moringa oleifera Leaves Loaded in Solid Lipid Nanoparticles for Antidiabetic Activity”.Journal of Neonatal Surgery Vol. 14, Issue 19s (2025) ISSN: 2226-0439.
7. Rahul Sharma, Devender Chauhan, Birender Singh, Seema Rohilla “Preparation and Characterizations of Zinc oxide Nanoparticles For Anti-bacterial Activity”.International Journal of Pharmaceutical Research. 2025: vol.17, Issue 2, ISSN 0795-2366.

**Patent-03**

1. Mr. Mukesh Suniya , Dr Sunil Mistry, Dr.A. Julliyani Dilleban, Dr. S. Thenraja, Aiswarya. Y, **Birender Singh**, Susmitha. P. Dr. Manish Kumar Shakya, Dr. Manju shree P. S., Moidul Islam Judder: A Patent on “Electro Convulsio Meter For Detecting Anticonvulsant Activity In Mice” Application Number: 442810-001, 02 Jan 2025.

2. Sunil B. Baile, Dr. Karthika Selvam, Ruchi Khare Shrivastava, Dr. Vikrant Jain, Arvind Shankar Lal Srivastava, Azmin Mahervan Mogal, **Birender Singh**, Abu Md Ashif Iqbal, Rabin Debnath, Kondreddy Vinod Kumar : A Patent on “Portable HPLC for Phytochemical Analysis of Synthetic Compounds” Application Number: 456963-001,28 April 2025.
3. Talib Hussain, Preet Kaur, Dr. Abhishek Kumar, Somendra Kumar .Dr. Ashutosh Kumar, Md Ali Mujtaba, Arun Kumar, Dr,Umme Hani, **Birender Singh**, Nihar Ranjan Samantra : A Patent On “Drug Delivery System Using Phytoconstituents For Treatment Of Diabetic Neuropathy” Application Number: 6464879,13 August 2025.

#### Books Publication-01

1. **Mr. Birender Singh**, Dr. Sachin Sharma, Ms. Swati Sh in MATarma, Mr. Devender Chauhan: A Book on “Pharmaceutical Organic Chemistry” B.Pharmacy Third Semester Chyren publication book reference no:486.

#### Research Topic

Worked on the Project- Development and Validation of a RP-HPLC Method for Simultaneous Estimation of Domperidone Maleate and Naproxen Sodium in a Bulk and Tablet Dosage Form.

#### CADD Workshops-03

1. Attended Forteen Day Online Hands On Workshop cum FDP Titled “**Molecular Docking, Virtual Screening andComputational Biology**” Coducted by Hindu Collgee of Pharmacy on 23 June – 07 July, 2025.
2. Attended Seven Day Online Hands On Workshop Titled “**Molecular Docking Hybrid Workshop**” Coducted by Discovery Boulevard on 24 May – 30 May, 2025.
3. Attended One Day Online Hands On Workshop Titled “**Admet Profiling: From Theory To Practice**” Coducted by Discovery Boulevard On 20 May, 2025.

#### FDP Attended-09

1. Attended two days Faculty Development Programme on “**Emerging Trends in: Artificial Intelligence A Study of Applications Across Various Education**” organized by Advanced Educational Institutions from 26 April 2025 to 27 April 2025.
2. Attended one week Outcome-Based Faculty Development Programme on “**Empowering Faculty Through Enhancing Teaching Skills In Pharmaceutical Education**” organized by ISF College of Pharmacy Moga Punjab in collaboration with IKGPTU, Jalandar, APTI & IQAC-ISFCP from 02 January 2025 to 08 January 2024.

3. Attended one week Faculty Development Programme on **Enhancing The Pharmacist Skills-The AI Advantage**” organized by Narasaraopeta Institute Of Pharmaceutical Sciences (NIPS), Palnadu Dist. Pradesh from 16 December 2024 to 21 December 2024.
4. Attended International Faculty Development Programme on **“Emerging Trends And Techniques In Research Paper Writing And Conferring Intellectual Property Rights”** organized by Galgotias University, Greater Noida Uttar Pradesh from 06 August 2024 to 10 August 2024.
5. Attended Faculty Development Programme on **“Innovation, Learning and Research Scenerio in Pharmaceutical Sector: A Changeover”** organized by Galgotias College of Pharmacy, Greater Noida Uttar Pradesh 15 July 2024 to 19 July 2024.
6. Attended one week Faculty Development Programme on **“Enhancing The Pharmacist Skills-The AI Advantage”** organized by Narasaraopeta Institute Of Pharmaceutical Sciences (NIPS), Palnadu Dist. Pradesh 16 December 2024 to 21 December 2024.
7. Attended Faculty Development Programme on **“Latest Pedagogy Tools for Teaching and Innovative Research in Pharmacy”** organized by Himalayan Institute of Pharmacy, Kala-Amb, Himachal Pradesh 04 April 2022 to 06 April 2022.
8. Attended Faculty Development Programme on **“Innovation and New Paradigm in Herbal Drug Research”** organized by School of Pharmacy, Chitkara University, Himachal Pradesh 21 March 2022 to 25 March 2022.
9. Attended Faculty Development Programme on **“Student induction programme (SIP-19)”** organized by DCRUST Murthal from 25 June 2019 to 01 July 2019.

#### Conferences and Seminars Attended-28

1. Participated in National Conference on “Advancing Pharmaceutical Research: Methodologies in Innovative Drug Delivery, Phytopharmaceuticals and Healthcare Policy Integration” Organized by Guru Gobind Singh College Of Pharmacy, Yamunanagar A.S.B.A.S.J.S.M. College Of Pharmacy, Bela Punjab on March 21, 2025.
2. Attended “Financial Awareness Program” organized by Centre for Investment Education And Learning in Association with BSE Investor Protection Fund on 10 march 2025.
3. Attended National Webinar on the theme “Nano Formulations In Pharmaceutical On The Scientistic Era Platform for the Life Science and Pharmaceutical Sector” On 09 March 2025 Organized By Scientific Era.
4. Attended IP awareness/training programme under “National Intellectual Property Awareness Mission” organized by Intellectual Property Office, India on 24 Febuary 2025.
5. Participated and Poster Presented (03) in National Conference on “Role Of Biosciences In Integrative Medicine And Holistic Health” Organized by Arihant College Of Pharmacy, Haridwar In Association With IPGA Uttarakhand and Awarded as **Resource Person** with trophy & certificate on October 26, 2024.
6. Attended International Webinar on “Natural Based Polymeric Delivery System: Enhancing Therapeutic Efficacy Pharmaceutical Science” on 27 October 2024 organized by Society of Pharmaceutical Sciences and Research (SPSR).
7. Attended Elite Expertise Webinar in collaboration with IPGA on “Global Career Opportunities” for Pharmacists on 19 October 2024 organized by Society of Pharmaceutical Sciences and Research (SPSR).

8. Participated and Poster Presented (03) in National Conference on “Role Of Biosciences In Integrative Medicine And Holistic Health” Organized by Arihant College Of Pharmacy, Haridwar In Association With IPGA Uttarakhand and Awarded as Resource Person with trophy & certificate on March 26, 2024.
9. Attended International Webinar on “Natural Based Polymeric Delivery System: Enhancing Therapeutic Efficacy Pharmaceutical Science” on 27 October 2024 organized by Society of Pharmaceutical Sciences and Research (SPSR).
10. Attended Webinar on “Solid Shall be Alternate Source to Replace Harmful `Organic Solvent in Future (Mixed Solvency Concept)” on 06 August 2023 organized by Society of Pharmaceutical Sciences and Research (SPSR).
11. Participated and Poster Presented (01) in National Conference on “Remedies And Challenges in Post COVID ERA: Opportunities For A Pharmacist” Organized by Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, Bela (Ropar), Punjab on March 11, 2023.
12. Participated in Lloyds International Conference on “National Education Policy- Transformational Reforms in Higher Education (NEP-TRHE): Making a Global Impact” Organized by Lloyd Institute of Management & Technology(Pharm.) Greater Noida on 17-18 December, 2021.
13. Attended Webinar on “Vital Deficiency vs Life making Hormone” on 21Nov 2021 organized by Society of Pharmaceutical Sciences and Research (SPSR).
14. Attended webinar on "Drug Discovery and Devlopment" organized by SGT univesity on 30 July 2021.
15. Attended webinar on "Introduction to FMCG Research and Devlopment" organized by RV Northland college of Pharmacy on 10July 2021.
16. Attended National Webinar on “Pharma Parrer Voyage Paving the Way Ahead” on 27 December 2020 organized by Society of Pharmaceutical Sciences and Research (SPSR).
17. Attended webinar on “Fundamental Aspects of Research Protocol Design and Alternative to Animal Experimentation” on 29 November 2020 organized by ISF College of Pharmacy Punjab.
18. Attended webinar on “Quality Assurance” on 27 June 2020 organized by Pharma tutor Edu. Labs.
19. Attended International Pharma Webinar on" What is plagiarism and Why should it be avoided” organized by MNR college of pharmacy on 19 June 2020.
20. Attended webinar on “Stress management in Difficult Situation" organized by ISF college of Pharmacy, Moga Punjab on 18 June 2020.
21. Attended Webinar on “Pandemic v/s Academic”organized by Samnvya:The information management system Right consultancy, Jaipur on 17 June 2020.
22. Attended webinar on "Interprofeessional Education” organized by JSS academy of higher education and research, Mysuru in association with Pharmacy council of India on 13 June 2020.
23. Participated in three days National conference “ Colloquium-2020" on the theme Innovations in Pharmacy and Green chemistry in Post covid-19 Era from 11th-13th June 2020 organized by department of Pharmaceutical Technology,Biotechnology and Chemistry, JIS University Kolkata.
24. Attended Webinar on “Virtual visit to Research and Development facilities”organised by SGT college of Pharmacy Gurgaon Haryana on 9June 2020.
25. Attended Seminar on Continuing Pharmacy Education Programme “ Pharmacist role in patient care” Organised by Haryana State Pharmacy Council, Panchkula on 21January 2018.

26. Attended Seminar on Continuing Pharmacy Education Programme on “Role of Medicines” Organised by Haryana State Pharmacy Council, Panchkula on 03 July 2016.
27. Attended Seminar on Continuing Pharmacy Education Programme on “Pharmacist role in India” Organised by Haryana State Pharmacy Council, Panchkula on 12 April 2015.
28. Participated in the 52nd National Pharmacy Week held from 17 November to November 2013 at New Delhi in association with Indian Pharmaceutical Association.