

Dr. Shekhar Verma (M. Pharm, PhD)
Professor
Department of Pharmacy
Guru Ghasidas Vishwavidalya Bilaspur
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WORK EXPERIENCE:

1. Working as Professor at the Department of Pharmacy Department of Pharmacy Guru Ghasidas Vishwavidalya Bilaspur (A Central University).
2. Worked as a Registrar at the Chhattisgarh State Pharmacy Council, Raipur
3. Worked as Professor & Principal Govt. Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh and CSVTU, Bhilai
4. Worked as Associate Professor at Faculty of Pharmacy, Shri Shankaracharya Group of Institutions, Bhilai (CG)
5. Worked as Assistant Professor at Institute of Pharmacy, Raipur Institute of Technology, Raipur (CG)

PRESENT/PREVIOUS ASSOCIATION

1. Registrar- Chhattisgarh State Pharmacy Council Raipur.
2. Vice -President (Chhattisgarh State Branch)- Association of Pharmaceutical Teachers of India (APTI)
3. State Planning Commission- Member, Chhattisgarh State Planning Commission Raipur
4. Cultural Coordinator-Association of Indian Universities (AIU), New Delhi for Health Science University
5. Nominee of (CPCSEA), New Delhi- Committee for the Control and Supervision of Experimentation on Animal (CPCSEA)
6. Assessor- National Assessment and Accreditation Council (NAAC)
7. Chairman of Board of Study (Pharmacy) Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh, Raipur.
8. Member of Academic Council (Govt. Technical University Nominee) at Shri Shankaracharya Technical Campus-Shri Shankaracharya Group of Institute, Junwani, Bhilai Chhattisgarh.
9. Vice-Chairperson- Institutional Ethical Committee of Chhattisgarh Swami Vivekanand Technical University, Bilaspur
10. Subject Expert-Member of Board of Studies BOS Pharmacy at Shri Ramswaroop Memorial University, Lucknow (UP).
11. Actively involved in Various committee framed by Guru Ghasidas Central University, Bilaspur.
12. Jan Aushadhi Kendra Coordinators for Chhattisgarh State. **Reference No: 14-307/20217-PCI**

EDUCATIONAL QUALIFICATION

1. **Ph.D (Pharmacy)** Awarded in February 2014 from Institute of Pharmacy, Guru Ghasidas Central University Bilaspur Chhattisgarh State.
2. **M. Pharm (Pharmaceutics)** passed in 2005 from B R Nahata College of Pharmacy, Mandsaur, affiliated to Rajeev Gandhi Technical University Bhopal (MP) securing I division.
3. B. Pharm passed in 2001 from GuruGhasidas University Bilaspur (CG) securing I division.
4. HSSC Passed in 1996 from MP Board Bhopal Securing I division.
5. HSC Passed in 1994 from MP Board Bhopal Securing I division.
6. PGDCA (Post Graduate Diploma in Computer Application) with I Division from Guru Ghasidas University Bilaspur.

INTERNATIONAL COLLABORATION/CONSULTANCY (PERSONAL FOR RESEARCH AND PUBLICATION):

1. School of Chemistry and Chemical Engineering, Yulin University, Yulin, 719000, PR China
2. Department of Radiology, Biomedical Research Imaging Centre, University of North Carolina at Chapel Hill, NC 27599, USA
3. School of Material Science and Engineering, Wuhan Institute of Technology, Wuhan, 430073, PR China

INTERNATIONAL EXPOSURE

1. Presented research paper in Dubai International Pharmaceuticals and Technologies Conference and Exhibition, held 22-24th, 2011, Dubai UAE. (Travel grant funded by Chhattisgarh Council of Science and Technology)
2. Attended workshop and training program organized by Society of Hospital Pharmacist of Australia at Dubai, UAE.
3. Presented research paper in International Conference on Food, Biological and Medical Sciences (FBMS-2014) held 28-29th, 2014, Bangkok, Thailand. (Travel grant funded by CICS, Chennai)
4. Presented research paper in 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019. (ICFIRHS 2019) held 14-15th, September 2019, Kuala Lumpur, Malaysia. (Travel grant funded by Ayush University, Raipur)
5. Chaired scientific session on 14 September 2019 in 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019. (ICFIRHS 2019) held 14- 15th, September 2019, Kuala Lumpur, Malaysia.
6. Participated 1st International Research Conference on Healthcare Sciences Liyang 2019 on 21st November 2019 at Tagum City, Davao del Norte, Philippines and awarded certificate of participation on paper Development of Novel Anhydrous Dispersion Systems for Poorly Soluble Drugs.

PATENT/DESIGN PUBLISHED AND GRANTED

1. Shekhar Verma, Tablet Hardness Tester- Reference Number:372892-001- Awarded- The Indian Patent office
2. Shekhar Verma, Dissolution Test Apparatus- Reference Number:372893-001- Awarded:The Indian Patent office
3. Shekhar Verma, Fluid bed Granulator and Bed Dryer Machine for Pharmaceutical Purpose-Reference Number:367100-001- Awarded:The Indian Patent office
4. Shekhar Verma, Herbal composition with antimicrobial activity-Reference Number:202221030119A-Filed/In Process:The Indian Patent office
5. Shekhar Verma, Fast Dissolving Oral Composition of Etodolac and Preparation thereof-Reference Number:202221025666A-Filed/In Process: Indian Patent.
6. Shekhar Verma, Methodology for preparation of transdermal drug delivery system with natural biopolymer matrix- Reference Number-202211020619A-Filed/In Process: Indian Patent.
7. Shekhar Verma, An Integrated System of Image Recognition Along with Artificial Intelligence for Accurate Prediction of Lung Cancer Using Various Medical Modalities- Reference Number:202241020244A-Filed/In Process: Indian Patent
8. Shekhar Verma, Water Cleaning Machine. Design No. 400151-001, Dated-17/11/2023, Date of Issue-18/01/2024
9. Shekhar Verma, Automated Drug Dependence Detection System Based on Egg, Dated-29/10/2024, Issued on 04/12/2024.
10. Shekhar Verma, FTIR-Enabled Device for Analyzing the Chemical Composition of Smaller Particles. 14/11/2024 and Issued on 06/01/2025.

11. Shekhar Verma, Microfluidic Device for In Situ Detection of Impurities in Pharmaceutical Products. 18/01/2025 and Issued on 27/03/2025.

PUBLICATIONS

1. Targeted Therapy for Precision Medicine in Gastrointestinal Cancer: Advancement in Cancer Targeting Strategies R Deshmukh, **S Verma**, PS Yaduwanshi, A Dubey, M Kumari. Current cancer drug targets. **Bentham Science. IF-2.3, 2025**
2. Probing the in-depth analysis of serious adverse drug reactions in a tertiary care hospital of Central India, P Singh, **S Verma**, Y Vaishnav, U Joshi, M Agrawal. Exploratory Research in Clinical and Social Pharmacy. **Elsevier. IF-1.8, 2025**
3. Thiazole–A promising scaffold for antituberculosis agents and structure–activity relationships studies Xuanming Zhao, Jing Di, Dingjie Luo, Rameshwari Verma, Santosh Kumar Verma, **Shekhar Verma**. Bioorganic Chemistry Elsevier. IF: 4.5, 2024
4. Toshita Mishra, **Shekhar Verma**, Vinay Sagar Verma, Achal Mishra, Gunjan Jeswani, Devendra Sahu, Popat Mohite, VijayR Chidrawar, Sudarshan Singh “ In-silico molecular docking and screening of Costus speciosus bioactive compounds as potential herb in management of diabetes mellitus. Vegetos-International Journal of Plant Research and Biotechnology. 2024
5. **Shekhar Verma**, Rameshwari Verma, Sahana Raju, Santosh Kumar Verma, Mohd Sajid Ali, Hamad A Al-Lohedan, Mahesh Padaki, K Pramoda, KothanahallyS Sharath Kumar. “ Nickel Molybdenum Selenide(NiMoSe₂) Nanostructures:ABinaryTransition Metal Dichalcogenide for Regioselective Synthesis of 2,3,5-Tri Substituted Pyrrole Chemistry Select. **Wiley IF-2.1, Volume-09, Issue 37. 2024**
6. Santosh Kumar Verma, Shobith Rangappa, Rameshwari Verma, Fan Xue, **Shekhar Verma**, Kanchugarakoppal S Rangappa “Sulfur (SVI)-containing heterocyclic hybrids as antibacterial agents against methicillin-resistantStaphylococcus aureus (MRSA) and its SAR. Bioorganic Chemistry **Elsevier. IF-5.1, Volume 143, 2024**
7. Xuanming Zhao , Jing Di, Dingjie Luo, Yogesh Vaishnav, Kamal , Nargiza Nuralieva, **Shekhar Verma** “Recent Developments of P-glycoprotein inhibitors and its structure-activity relationship (SAR) studies” Bioorganic Chemistry, **Elsevier. IF-5.1, Volume 143, 2024.**
8. Rameshwari Verma, Santosh Kumar Verma, **Shekar Verma**, Yogesh Vaishnav, Laxmi Banjare, K.P. Rakesh “Azole and chlorine: An effective combination in battle against methicillin-resistance staphylococcus aureus(MRSA) and its SAR studies” Journal of Molecular Structure, **Elsevier. IF- 3.81. Volume 1300, 2024**
9. **Shekhar Verma**, Preeti Singh and Yogesh Vaishnav “Development of pharmacovigilance system in India and paradigm of pharmacovigilance research: an overview”. Current Drug Safety. **Bentham Publication. IF-1.5, Volume-18, 448-464, 2023.**
10. Santosh Kumar Verma , Rameshwari Verma, , **Shekhar Verma** et. al. “Two-dimensional Ti₃C₂TxMXenes as a catalyst support for the synthesis of 1,4-disubstituted-1,2,3-triazoles via azide-nitroalkene oxidative cycloaddition” Journal of Molecular Structure, **Elsevier. IF- 3.81. Volume 1281, 2023**
11. SK Verma, R Verma, YR Girish, F Xue, L Yan, S Verma. Heterogeneous graphitic carbon nitrides in visible-light-initiated organic transformations. Green Chemistry (**Royal Society of Chemistry**) **IF-9.3. 2022**
12. **Shekhar Verma**, Santosh K. Verma, Jia Wang, Jianbo Liu, Bei jing, K.P. Rakesh“ Catalytic pyrolysis of ulvalactuca macroalgae: Effects of mono and bimetallic catalysts and reaction parameters on bio-oil up- gradation” Bioresource Technology, **Elsevier. IF- 11.889, March 2021**
13. Rameshwari Verma, Santosh K.Verma, **Shekhar Verma**, Jia Wang, JianboLiu, Beijing, K.P.Rakesh “Value-addition of wheat straw through acid treatment and pyrolysis of acid treated residues”. Journal of Cleaner Production. **Elsevier. IF- 11.072. Volume 282, February 2021**

14. Santosh Kumar Verma, Rameshwari Verma, **Shekhar Verma**, Yogesh Vaishnav. Anti-tuberculosis activity and its structure-activity relationship (SAR) studies of oxadiazole derivatives: A key review. *European Journal of Medicinal Chemistry*. **Elsevier**. IF- 6.0. Volume 209, January 2021
15. **Shekhar Verma**, Vaibhav Tiwari, Santosh K. Verma, Jawahar S Dangi, "Enhancement of site-specific delivery of diloxanide furoate as an antiamoebic drug". *European Journal of Pharmaceutical Sciences*, Elsevier IF- 5.834. *European Journal of Pharmaceutical Sciences* 86 (2016) 50–57.
16. Vinod Kumar Verma, Md. Kamaruz Zaman, **Shekhar Verma**, Santosh Kumar Verma, Khomendra Kumar Sarwa Role of semi-purified andrographolide from *Andrographis paniculata* extract as nano-phytovesicular carrier for enhancing oral absorption and hypoglycemic activity. *Chinese Herbal Medicine*. Elsevier. IF 3.8 Volume 12, Issue 2, April 2020, Pages 142- 155.
17. **Shekhar Verma**, Yogesh Vaishnav and Dhansay Dewangan "PPAR Gamma Targeted Molecular Docking and Synthesis of Some New Amide and Urea Substituted 1, 3, 4-Thiadiazole Derivative as Antidiabetic Compound". *Journal of Heterocyclic Chemistry* Volume 57, Issue 5 May 2020 Pages 2213-2224 **Wiley Publication**. IF 2.193
18. Santosh Kumar Verma, KallolK. Ghosh, Rameshwari Verma, **Shekhar Verma** Influence of Cationic Surfactants and Inorganic Salts on the Enzymatic Activity of Mucor javanicus Lipase. *International Journal of Chemical Kinetics*, **Wiley Publication 2020 IF 1.462**.
19. Santosh Kumar Verma, KallolK. Ghosh, Rameshwari Verma, **Shekhar Verma**, Girish H.N, Xiujian Zhao "Activity of α chymotrypsin in cationic and non-ionic miscellar media: Ultraviolet and fluorescence spectroscopic approach " *International Journal of Chemical Kinetics*, **Wiley Publication**. Volume 48, Issue 2, published 14 December 2015. IF 1.462
20. Vipin Kumar Wani, Ritesh Jain and Shekhar Verma. Future Directions in Exploring the Synergistic Effects of *Coriandrum sativum*, *Mucuna pruriens* and *juglans nigra*: A poly herbal approach for the treatment of Inflammation. Vol. 25, Issue 3, 2025.
21. Pradeep Jena¹, Dr. Shekhar Verma, Dr. Achal Mishra and Dr. Madhudi Baghel. Recent Development of Nanomaterials for The Management of Immune Thrombocytopenia. *African Journal of Biological Sciences*. Vol 06, Issue 15, 2024.
22. Vipin Kumar Wani¹, Ritesh Jain, Shekhar Verma Harish Rajak. A Review on Potentiation of Polyherbal Formulation for the Treatment of Hyperglycemia and Inflammation. *Frontiers in Health Informatics*. Vol 13, Issue 08, 2024
23. **Shekhar Verma**, Yogesh Vaishnav, Santosh K Verma, Arvind K Jha. Anhydrous Nanoemulsion: An Advanced Drug Delivery System for Poorly Aqueous Soluble Drugs. *Journal of current nanomedicine*. *Current Nanomedicine*, 2016, 6, 1-11. **Bentham Publication**. SCOPUS
24. Santosh Kumar Verma, Bhupendra Kumar Gritlahre, KallolK. Ghosh, Rameshwari Verma, **Shekhar Verma**, Xiujian Zhao. Influence of Amine-Based Cationic Gemini Surfactants on Catalytic Activity of α -Chymotrypsin Received 22 December 2015; revised 4 August 2016; accepted 6 August 2016. Published online in **Wiley Online Library** (wileyonlinelibrary.com). IF 1.462
25. Baghel P, Roy A, **Verma S**, Satapathy T, Bahadur S. Amelioration of lipophilic compounds in regards to bioavailability as self-emulsifying drug delivery system (SEDDS). *Future Journal of Pharmaceutical Sciences*. **Springer**. IF 3.0 2020 Dec; 6:1-1.
26. Pragya Baghel, Amit Roy, **Shekhar Verma**, Trilochan Satapathy & Sanjib Bahadur. Enhancement of solubility of Paclitaxel by Applying Factorial Design", *Current Medicine Research and Practice*. **Elsevier**. Vol 11, Issue 05. September-October 2021. SCOPUS
27. Pragya Baghel, Amit Roy, **Shekhar Verma**, Trilochan Satapathy & Sanjib Bahadur "Formulation of self-emulsifying drug delivery system (SEDDS) of Paclitaxel by utilizing Factorial Design". *International Journal of Pharmaceutical Sciences and Nanotechnology*. SCOPUS.
28. D. Dewangan , Y. Vaishnav , A. Mishra , A.K. Jha , S. Verma , H. Badwaik, Synthesis, molecular docking, and biological evaluation of Schiff base hybrids of 1,2,4-triazole-pyridine as

- dihydrofolate reductase inhibitors. Current research in pharmacology and drug discovery. Volume 2, 2021, 100024. **Elsevier**. SCOPUS
29. Achal Mishra, Yogesh Vaishnav, Arvind Kumar Jha & **Shekhar Verma**, 3D QSAR analysis on quinoxaline derivatives as anti-malarial using K-nearest neighbour molecular field analysis. Indian Journal of Chemistry-Section B, Vol 60 B, May 2021. **NISCAIR. IF 0.588**.
 30. Arpan Kumar Tripathi, Dr. Rupesh Soni, **Dr. Shekhar Verma**., Phytochemical studies on Mimosa Pudica Linn. (Mimosaceae) leaves and root extract., International Journal of Aquatic Science. ISSN: 2008-8019, Vol 12, Issue 02, 2021, Pg 3168-3175. UGC Care List II, Web of Science Indexed Journal.
 31. Yogesh Vaishnav, Arpan Tripathi and **Shekhar Verma** "Formulation and invitro evaluation of electrolyte effervescent tablet" Journal of Medical Pharmaceutical and Allied Sciences. SCOPUS. Paper Accepted.
 32. Rajni Yadav, Yogesh Vaishnav and **Shekhar Verma** "Point of Care Diagnostics-Using Nanomaterials as Detection Probes" Research Journal of Pharmacy and Technology. SCOPUS. Paper Accepted.
 33. Electrolytes effervescent tablets - A review Dr. Yogesh Vaishnav, Arpan Kumar Tripathi, Ms. Isha sonker, Mr. Vinay Sagar Verma, Mr. Ashish Kumar Pandey, **Dr. Shekhar Verma**, Journal of Cardiovascular Disease Research ISSN: 0975-3583, 0976-2833 Vol 12, Issue 03, 2021. SCOPUS
 34. Govind Sharma, Arvind Kumar Jha, Ajazuddin , Yogesh Vaishnav , **Shekhar Verma** , Arpan Kumar Tripathi "3D QSAR analysis on substituted Cyanopyrrolidine derivatives as Dipeptidyl peptidase –IV inhibitors" Journal of Cardiovascular Disease Research ISSN: 0975-3583, 0976-2833 Vol 12, Issue 06, 2021. SCOPUS
 35. **Shekhar Verma**, Govind Sharma, Arvind Kumar Jha , Yogesh Vaishnav , "2D QSAR analysis on substituted pyrrolidine derivatives as dipeptidyl peptidase- IV inhibitors" Journal of Cardiovascular Disease Research ISSN: 0975-3583, 0976-2833, page 2039-2053. Vol 12, Issue 06, 2021. SCOPUS
 36. Computational Method on Hydroxychloroquine and Azithromycin for SARS- CoV-2: Binding Affinity Studies. Research Journal of Pharmacy and Technology. Vol.:15, Issue:8, August, 2022. SCOPUS
 37. Shiba S Morris, Jeyabalan G, A K Jha, **Shekhar Verma**, Yashwant Swarnkar "Phytochemical Screening and TLC Studies of Trachyspermum ammi and Carum carvi Seeds Extract". Inventi Rapid: Planta. 2017, Issue 1.
 38. Yogesh Vaishnav, Arvind Kumar Jha, **Shekhar Verma**, Pranita Kashyap, Chanchal Deep Kaur "A Review on Antidiabetic Activity of Substituted 1, 3, 4 –Thiadiazole Derivatives. Research J. Pharm. and Tech. 10(12): December 2017. SCOPUS
 39. Shiba S. Morris, Jeyabalan G, A. K. Jha, **Shekhar Verma**, Yashwant Swarnkar "Phytochemical Screening and In-vitro Anthelmintic activity of Seed Extracts of Plants Carum carvi of Family Apiaceae". Asian J. Res. Pharm. Sci. 2016; Vol. 6: Issue 4.
 40. **Shekhar Verma**, J.S. Dangi, Surfactant Properties of Non Aqueous Microemulsions Pharmbit Vol. XXIII & XXIV, No. 1 & 2, Jan - Jun & Jul - Dec, 2011
 41. **Shekhar Verma** and J.S. Dangi, Formulation and Evaluation of Indomethacin Loaded Anhydrous Microemulsions. Research J. Pharm. and Tech. 4(9): Sept. 2011
 42. **Shekhar Verma** and J.S. Dangi, Formulation Development and Evaluation of Cimetidine Containing Nonaqueous Microemulsions. Research J. Pharm. and Tech. 4(11): Nov. 2011
 43. **Verma Shekhar** and Dangi J.S. "Non Aqueous Microemulsions: Novel Approach for delivery of poorly soluble drugs". Verma S et al. IRJP 1 (1) 2010 51-56.
 44. **S. Verma**, J.S. Dangi, Effect of Temperature on Non Aqueous Microemulsion, Indian Journal of Pharmaceutical Sciences (IJPS), 64 (1), 2009.
 45. **Shekhar Verma**, Anurekha Jain and V.B. Gupta, Synergistic and sustained anti-inflammatory activity of guggul with ibuprofen: A preliminary study. International Journal Pharma and Bio Science (IJPBS), V1(2) 2010.

46. **Verma Shekhar**, K.P. Namdev, Bodakhe S.H., Shrivastava S.K. and Dangi J.S., Chemical Investigation of Honey: A multiactive component of herbal therapeutic agent. International journal of research in Aavurveda and pharmacy (IJRAP), 2010, 1 (1) 85-89.
47. **S. Verma**, R. Gendle, B. Kaushik, R. Patel, S.K. Singh and K.P. Namdev, Formulation and Evaluation of Sustained Release Matrix Tablet of Tramadol HCl, International Journal of Chem. Tech Research, Vol 2, No. 1, 04-10, Jan-March 2010.
48. B. Kaushik, **S. Verma**, R. Gendle, R. Patel. L. Verma, Keloids and Hypertrophic Scars, e- Journal on Pharmainfo.net, Vo. 6, Issue 5, 2008.
49. B.Kaushik, R.Gendle, **S. Verma**, R. Patel, P. Dewangan and L. Verma, DNA Microarrays Technique: Application In Pharmacy, , e-Journal on Pharmainfo.net, Vo. 7, Issue 4, 2009.
50. Jain A, Sangtani P, **Verma S**, Jain A., Gupta A., Gupta V.B. Spectrophotometric estimation of ziprasidone from formulation. Indian Drugs 43 (11) November 2006.
51. Anurekha Jain, Sushma B, Imran K.M., **Shekhar Verma**, Avijit Jain and Arun Gupta. In- Vitro Evaluation of marketed Indomethcin Capsule. The Indian Pharmacist 65-66, 2007.
52. Dubey RD, **Verma S**, Rane D, Wani VK, Pandey AK and Paroha S. Comparative Studies of Anthelmintic Activity of Zingiberofficinale and Cassia tora. International Journal of chemical and Pharmaceutical Sciences. 2010, Aug., Vol.1 (1)
53. Alok Pandey, **Shekhar Verma**, Ravindra Dhar Dubey, DhansayDewangan, Vidyanand Patel and Keshav Deshmukh. Synthesis, Analgesic and Anti-Inflammatory Activities of Novel Schiff Bases., Asian J. Research Chem. 4(1): Jan. - Feb. 2011.
54. Dubey R.D., Paroha S., Wani V.K., Pandey A.K., Sahu P.K., **Verma S.**, and In Vitro Comparative Studies of Anthelmintic Activity of Allium sativum and Ficus religiosa., Research J. Science and Tech. 2010; 2(4): 84-86.
55. Dubey R.D., Ahmad A.R., Paroha S., Sahu P.K., **Verma S.**, Prasad Reddy S.L.N. and Qureshi M. S., A new profile of therapeutic potential and toxicities of Antineoplastic Drugs, Research Journal of Pharmacology and Pharmacodynamics; 2(6): 2010; 370-375

PUBLISHED CHAPTER

1. **Shekhar Verma**, Nagendra Kumar Chandrawanshi and Vishal Jain “Surfactant -based anhydrous nano carrier system for poorly aqueous soluble anti -cancer drugs (Chapter-14)” published in the “Handbook of Research on Advancements in Cancer Therapeutics”, United States of America by IGI Global, medical information science information (an imprint of IGI Global).
2. Ashish Kumar Pandey, Achal Mishra and **Shekhar Verma**. Recent Trends and Pharmaceutical Applications for 3D Printing in Dermal Drug Delivery. CRS Press. eBook ISBN 9781032690926. 2024
3. Shekhar Verma. Ligand Based Approaches for Target-Specific Drug Delivery. Elsevier. 2025
4. Nagendra Kumar Chandrawanshi and **Shekhar Verma** “Recent research and development in stem cell therapy for cancer treatment: Promising future and challenges (Chapter 18)”published in the “Handbook of Research on Advancement in Cancer Therapeutics”, United States of America by IGI Global, medical information science information (an imprint of IGI Global).
5. Koushlesh Kumar Mishra and **Shekhar Verma** “Transethosomes and Nanoethosomes: Recent Approach on Transdermal Drug Delivery System (Chapter 02)” Published by Intech Open Limited, 5 princes gate court, London. DOI:10.5772/intechopen.815772/intechopen152.
6. **Shekhar Verma**, Sonam Soni, Nagendra Chandrawanshi and Shivendra Singh Dewhare “Sources and raw material of essential oil (Chapter 03)” In the series De Gruyter STEM <https://doi.org/10.1515/9783110791600>
7. Shivendra Singh Dewhare, Nagendra Kumar Chandrawanshi, **Shekhar Verma**, Sonam Soni and Pramod Kumar Mahish “ Extraction, production and encapsulation of essential oil (Chapter 06). In the series De Gruyter STEM <https://doi.org/10.1515/9783110791600>

8. Nagendra Kumar Chandrawanshi, Deepali, Anjali Kosre, Shivendra Singh Dewhare, **Shekhar Verma**, Pramod Kumar Mahish and Ashish Kumar “ Bioactive of essential oil anti-cancer, anti HIV, anti parasitic, anti inflammatory and other activities.

INVITED TALK/SPEAKER/CHAired SCIENTIFIC SESSION

1. Shekhar Verma delivered a lecture as a speaker in Faculty Development Program on Indian Knowledge System at Govt. Lahiri P.G. College, Chirmiri on 12th April 2025.
2. Chairperson in Department of Biotechnology (DBT) sponsored two days National Seminar on 1st & 2nd August 2025, organized by Sri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg (CG). Theme: Biopharmaceutical: Bridging the gap between Pharmacy & Biotechnology.
3. Session Chair, in NABARD sponsored International Conference on AI-Driven in Engineering, Health Sciences & Sustainability on 29th June 2025. Organized by Rungta College of Engineering and Technology, Bhilai (CG)
4. Shekhar Verma delivered a lecture as a speaker in National Seminar Organized by IES University, Bhopal on 20th December 2024 on theme Herbal approach for novel drug delivery system.
5. Chairperson in AERB Sponsored International Conference on Regulatory and safety considerations in the development of Nuclear Medicine, organized by Anjaneya University, Raipur on 22nd February 2025
6. International-e-conference on “Recent Advances in Biological Sciences & Opportunities in Entrepreneurship, 7th -8th January” 2022. Organized by Pt. Ravishankar Shukla University and Pt. Deendayal Upadhyay Memorial and Health Sciences and Ayush University of Chhattisgarh, Raipur
7. Shekhar Verma delivered a lecture as a speaker in Biyani Sikshan Samiti Jaipur, Rajasthan, India, on 15th December 2021.
8. Shekhar Verma delivered a lecture as a speaker in a AICTE - ATAL academy sponsored Faculty Development Program on “Drug engineering: Challenges and Innovations” at I.T.S College of Pharmacy Ghaziabad, on 17th September 2021.
9. Shekhar Verma delivered a lecture as a guest speaker on “Approaches to teaching and self - efficacy beliefs” in AICTE sponsored short term training program at Columbia Institute of Pharmacy, Tekari, Raipur, (C.G.), INDIA on May 22nd, 2021.
10. Shekhar Verma delivered a lecture as a guest speaker on “Future trends in research methodology for drug discovery & development” in AICTE sponsored short term training program at Columbia Institute of Pharmacy, Tekari, Raipur, (C.G.), INDIA on April 7th ,2021.
11. Shekhar Verma chaired scientific session on 1st February 2020 in Pharmacy Council of India (PCI) Sponsored 3rd International Conference (Frontiers in Pharmaceutical Sciences and Research- PharmaSci-2020), Theme entitled “Integrating Pharmaceutical Technology with other branch of Sciences for Health Management” organized by Columbia Institute of Pharmacy, Raipur, Chhattisgarh, India.
12. Shekhar Verma Chaired a Technical Session on 11th January 2020 in a UGC sponsored national conference on Recent Advances & Trends in Biotechnology at SOS in Biotechnology organized by Pt. Ravishankar Shukla University, Raipur, Chhattisgarh and Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh.
13. Shekhar Verma delivered a lecture as a key note speaker on Atomic Energy Regulatory Board, Mumbai (AERB) sponsored National Seminar on 28th November 2019 at SSTC-Shri Shankaracharya Group of Institutions-Faculty of Pharmaceutical Sciences, Junwani, Bhilai on theme Nuclear Technology in Pharmaceutical Sciences
14. Shekhar Verma chaired scientific session on 28th March 2019 in Continuing Education Program (CEP) on “Effective Teaching Learning in Pharmacy Education” held on 27-29th March 2019, at Rungta College of Pharmaceutical Sciences and Research, Bhilai, Chhattisgarh. Sponsored by Pharmacy Council of India (PCI), New Delhi.

15. Shekhar Verma chaired scientific session on 27th April 2019 in National Seminar on "Recent Advancements and Hazards of Radiopharmaceuticals in Disease Management" held on 26-27th April 2019, at Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg. Sponsored by Atomic Energy Regulatory Board (AERB).
16. Shekhar Verma Delivered key note lecture about Herbal Nutraceuticals on 30th March 2019 in National Conference on Role of Ethnomedicine in Health Science held 29-30th, March 2019, ITM University, Gwalior, M.P.
17. Shekhar Verma chaired scientific session on 23rd February 2019 in National Science Day on "Communication Science for All" held on 23rd February 2019, at SSTC-Shri Shankaracharya Group of Institutions-Faculty of Pharmaceutical Sciences, Junwani, Bhilai. Sponsored by Chhattisgarh Council of Science and Technology, Raipur Chhattisgarh.
18. Shekhar Verma chaired scientific session on 20th January 2019 in International Conference on Fostering Interdisciplinary Research in Medicines 2019 held 19-21st, January 2019, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
19. Shekhar Verma chaired scientific session on 30th March 2019 in National Conference on Role of Ethnomedicine in Health Science held 29-30th, March 2019, ITM University, Gwalior, M.P.
20. Shekhar Verma chaired scientific session on 14 September 2019 in 2nd International Conference on Fostering Interdisciplinary Research in Health Sciences 2019. (ICFIRHS 2019) held 14-15th, September 2019, Kuala Lumpur, Malaysia.
21. Shekhar Verma chaired scientific session of ICMR, SERB-DST, CCOST sponsored International Seminar on "Advances in Development, Delivery Systems and Clinical Monitoring of Drugs". Dated 23rd to 24th September 2017 at Columbia Institute of Pharmacy, Raipur, Chhattisgarh.
22. Shekhar Verma delivered a talk as a keynote speaker on "Rationale of preclinical toxicology animal model" in ICMR sponsored national seminar at Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg (CG) on 05/04/2017.
23. Shekhar Verma chaired scientific session of DST sponsored APTI Central Zone National Seminar on "Treat to Target Approaches for Dermal Disorders: Newer Perspectives and Challenges". Dated 24th to 26th March 2017 at UIOP, Pt Ravishankar Shukla University, Raipur CG.
24. Shekhar Verma chaired scientific session of CCOST sponsored national Seminar on "Traditional Knowledge and Biodiversity of Chhattisgarh". Dated 4th February 2016 at Royal College of Pharmacy, Raipur.
25. Shekhar Verma chaired scientific session of CCOST sponsored national workshop on "Development of Analytical Techniques for Indigenous Drugs of CG". Dated 27th February 2016 at Columbia Institute of Pharmacy, Raipur.
26. Shekhar Verma chaired scientific session of CGCOST sponsored national seminar on "Recent Trends in green therapies for diseases prevalent in Chhattisgarh state." Dated 17 October 2015 at Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg (CG).
27. Shekhar Verma chaired scientific session on CGCOST Sponsored National Seminar on "Newer Dimensions in the delivery of Phytopharmaceuticals" 18-19 February 2015 at Rungta College of Pharmaceutical Sciences and Research, Bhilai, Chhattisgarh.
28. Shekhar Verma chaired scientific session of "Advancements in Pharmacological Studies for Evaluating Targeted Drug Delivery Systems" on ICMR sponsored national workshop, dated 8-9 January 2015 at Shri Rawatpura Sarkar College of Pharmacy, Kumhari, Bhilai.
29. Shekhar Verma chaired scientific session of "Advances and avenues in novel drug delivery system for the therapeutically effective plant actives" on AICTE sponsored National Seminar at UIOP, Pt Ravishankar Shukla University, Raipur CG. 29-30 October 2014.

30. Shekhar Verma presented lecture on "Herbal approach for novel drug delivery system: Guggulusomesin AICTE sponsored staff development program organized by Columbia Institute of Pharmacy, Raipur. (February 10, 2013)
31. Shekhar Verma, delivered talk in UGC sponsored national workshop on HPLC-Separation tool for phytoconstituents organized by University Institute of Pharmacy, Pt Ravishankar University, Raipur CG. (March 14-16, 2013)
32. Shekhar Verma "Key note speaker on Nanotechnology based drug delivery system organized by University Institute of Pharmacy, Pt Ravishankar University, Raipur CG. (April 28-30, 2014)
33. Shekhar Verma, delivered talk in UGC Sponsored National Workshop on "Chromatographic and spectroscopic analysis for phytoconstituents" 14-16 March 2013. Organized by University Institute of Pharmacy, Pt Ravishankar University, Raipur CG.
34. S. Verma "Modern manufacturing techniques and drug delivery systems" organized by Govt. of India, ministry of micro small and medium enterprises. (21st and 22nd October 2010)
35. S. Verma "Recent advances in novel drug delivery technology" in Shri Ram College of Pharmacy, Jabalpur (MP), winter 2009.
36. Shekhar Verma delivered talk as a keynote speaker on Sustainable development of drugs. National Science Day. Shri Shankaracharya College of Pharmacy, Bhilai.
37. Shekhar Verma delivered talk on Herbal Nutraceuticals on 30th March 2019 in National Conference on Role of Ethnomedicine in Health Science held 29-30th, March 2019, ITM University, Gwalior, M.P.
38. Presented paper in DST and ICMR Sponsored National Conference on "Emerging Trends in Computational Drug Discovery" ETCDD-2018 on Merging towards essential needs of computational technology. Held on 16-17th August 2018 at KIET School of Pharmacy, Ghaziabad.
39. 69th Indian Pharmaceutical Congress 2017, Chandigarh (IPC)-Resource person (For Poster Evaluator) on 24th December 2017.
40. ICMR sponsored national seminar on "recent advances in novel drug delivery system for herbal formulations against neuro degenerative diseases", February 17-18, 2017 at School of Pharmaceutical Sciences, Siksha 'O' Anusandhan University, Bhubaneswar (Odisha).
41. Shekhar Verma chaired scientific session of CCOST sponsored national Seminar on "Traditional Knowledge and Biodiversity of Chhattisgarh". Dated 4th February 2016 at Royal College of Pharmacy, Raipur.
42. CCOST Sponsored National Seminar on "Rules and Precincts of IPR and Regulatory Affairs for Indian Drugs". 29-30 September 2013. Organized by Columbia Institute of Pharmacy, Raipur.
43. DBT Sponsored National Seminar on "Advances in Molecular Pharmaceutics, Nanomedicine, Nanobiotechnology and Drug Research". 17th March 2013. Organized by Columbia Institute of Pharmacy, Raipur.
44. DST Sponsored National Seminar on "Investigation of ethano-medicinal plants used by ethnic group of Chhattisgarh. 19-20 October 2013. Organized by Columbia Institute of Pharmacy, Raipur. AICTE Sponsored National Seminar on "Emerging trends and innovations in drug delivery and pharmaceutical sciences" 20th October 2013. Organized by Columbia Institute of Pharmacy, Raipur.
45. UGC Sponsored National Workshop on "Chromatographic and spectroscopic analysis for phytoconstituents" 14-16 March 2013. Organized by University Institute of Pharmacy, Pt Ravishankar University, Raipur CG.
46. UGC Sponsored National Seminar on: Standardization of Herbal Formulations: A Holistic Goal. February 25-26, 2012. Organized by SLT Institute of Pharmaceutical Sciences. Guru Ghasidas Central University, Bilaspur (CG).
47. UGC Sponsored National Seminar on Advances in Pharmaceutical Research, January 28-30, 2011 at Pt. Ravishankar University, Raipur (CG)
48. AICTE Sponsored Programme on Pharmaceutical Entrepreneurship Awareness Programme, December 3-5, 2009 at Guru Ghasidas University, Bilaspur (CG).

49. AICTE Sponsored National Seminar on Advances in Drug Discovery and Development, January 18-19, 2008 at Guru Ghasidas University, Bilaspur (CG).
50. APTI- 13th Annual National Convention- 2008 on Needs of Quality Education for Changing Pharma-world, October 03-04, 2008 at S.L.T. Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur (CG).
51. AICTE Sponsored National Seminar on Quality Perspective of Herbal Cosmetics, September 08-09, 2007 at Pt. Ravishankar University, Raipur (CG)
52. Chhattisgarh Council of Science and Technology Sponsored 5th Chhattisgarh Young Scientist Congress, February 28th – March 1st, 2007 at Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG).
53. AICTE Sponsored National Seminar on Emerging Trends in Pharma Research, November 17-18, 2006 at Guru Ghasidas University, Bilaspur (CG).
54. AICTE Sponsored National Seminar on Recent Trends in Herbal Therapy, March 27-28, 2006 at S.L.T. Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur (CG).
55. PCI Sponsored Academia- Industry Seminar, November 26th, 2005 at B.R. Nahata College of Pharmacy, Mandsaur (MP)
56. National Seminar and Intellectual Property fair on Green Pharmacy, April 24-25, 2005 at B.R. Nahata College of Pharmacy, Mandsaur in Collaboration with Rajasthan Ayurved University.
57. Small Industries Services Sponsored workshop on Challenges and Opportunities for Indian Pharma Industries, February 20-21, 2005 at B.R. Nahata College of Pharmacy, Mandsaur (MP)
58. Toshvin Analytical Conducted workshop on Chromatographic Technique. 13 December 2011 at Pt. Ravishankar University, Raipur (CG)
59. Speaker in national webinar on “Rising demand of global pharmacy workforce” organized by ARKA JAIN university Jamshedpur on 16th May 2020.
60. Speaker in national webinar on “How to maintain academic activity during lockdown period” organized by SSTC-SSGI-Faculty of pharmaceutical sciences, Junwani Bhilai CG on 12th May 2020.
61. Speaker in international summit via webinar on “Pharmaceutical Learning and Collaboration” organized by Guru Ghasidas Alumni Association, Bilaspur on 23rd May 2020.
62. Speaker in national webinar on “Anhydrous Emulsion as a Latest Formulation” organized by SAGE university Indore on 18th May 2020.
63. Speaker in national webinar on “Pharmaceutical Colloidal Dispersion System” organized by Nagaji Institute of Pharmaceutical Sciences Gwalior (MP) on 19th May 2020.
64. Speaker in national webinar on “Post Covid-19 Impact and Strategies for Pharma Professionals” organized by M J College of Pharmacy Bhilai on 06th June 2020.
65. Speaker in national webinar on “Alternatives Therapies to treat COVID-19 Pandemic Outburst” organized by Vivekanand Global University Jaipur on 11th June 2020.
66. Speaker in national webinar on “Educational Resources During Pandemic Time” organized by B.R. Nahata College of Pharmacy Mandsaur under IQAC cell, Mandsaur University on 27th July 2020.
67. Speaker in national webinar on “Effectiveness of Herbal Drugs on COVID-19” organized by MATS University Raipur under IQAC cell on 28th July 2020.
68. Speaker in National Webinar Under Faculty Development Programme on “Surfactant Based Non-Aqueous Dispersion: Versatile Vehicle for Drug Delivery” organized by Rajarambapu College of Pharmacy, Kasegaon, TalWalwa, Dist. Sangli(MH) on 14th August 2020.
69. Speaker in national webinar on “Developing Entrepreneurship in Young Pharmacist” organized by Shri Balaji Book Distributors New Delhi on 03rd July 2020.
70. Delivered lecture on “Transforming Global Health-World Pharmacist Day” Organized by Azad College of Pharmacy and Research, Lucknow on 25th September 2020.
71. Delivered lecture on “Creating Indian Pharma, A Global R&D Leader: Opportunities and Challenges” at India-Japan fest, Bicon-2020 Industry-Academia Alliance in the Post COVID-19 Era. Organized by Biyani Sikshan Samiti Jaipur, Rajasthan, India, on 17th December 2020.

72. Delivered lecture in Power Finance Corporation, New Delhi Sponsored National seminar on "Making Indian Pharma-A Global Leader: Opportunities and Challenges" at Devsthali Vidyapeeth College of Pharmacy, Rudrapur (Uttarakhand) dated 19th January 2021.

Administrative Experience

1. Served as a Registrar- Chhattisgarh State Pharmacy Council Raipur.
2. Worked as Deputy Registrar at Pt. Deendayal Upadhyay Health Science and Ayush University of Chhattisgarh, Raipur (CG)
3. Worked as Exam Centre Superintendent at Guru Ghasida Vishwavidyalya, Bilaspur (CG) (Social Science Building)
4. Worked as Exam Centre Superintendent at Pt. Deendayal Upadhyay Health Science and Ayush University of Chhattisgarh, Raipur (CG)
5. Worked as Exam Centre Superintendent at Chhattisgarh Swami Vivekanand Technical University, Bhilai, (CG)
6. Observer for Final examination of Chhattisgarh Swami Vivekanand Technical University, Bhilai, (CG)
7. Involved as member of Chhattisgarh State Planning Commission, Raipur.

RECOGNITION/HONORS AND AWARD

1. Chhattisgarh Council of Science and Technology sanctioned 100 % International Travel Grant for Dubai international Pharmaceutical Conference and workshop.
2. Mini Research Project (5 Lac) granted by Chhattisgarh Council of Science and Technology.
3. Seminar Grant received from Indian Council of medical research
4. Seminar Grant received from Chhattisgarh Council of Science and Technology
5. International travel grant received from Centre for International Co-operation in Science (CICS), Chennai for International Conference on Food, Biological and Medical Sciences (FBMS-2014) held 28-29th, 2014, Bangkok, Thailand
6. International travel grant received from Chhattisgarh Council of Science and Technology
7. International travel grant received from Pt. Deendayal Upadhyay Memorial Health Science and Ayush University of Chhattisgarh Raipur for International Conference on Fostering Interdisciplinary Research in Health Sciences 2019. (ICFIRHS 2019) held 14-15th, September 2019, Kuala Lumpur, Malaysia
8. Young Teacher award by premier publishing house Nirali Publication, New Delhi.
9. Mahadev Lal Shroff honor by JCI Club Raipur for outstanding work in the field of pharmacy.

MY COLUMN IN VARIOUS NEWS PAPER

1. "Educational Resources in Pandemic Time" on 09th April 2020, Thursday. The Hitvada Raipur.
2. "India Pharmaceutical Industry during Covid-19 Pandemic on 22 April 2020, Wednesday. Central Chronicle Raipur.
3. "Pharmacy Professional: A key player to fight against Covid-19 pandemic" on 27th April 2020, Monday. The Hitvada Raipur.
4. "Research and development in Pharmaceuticals can boost the economy" on 22 December 2020, Tuesday. Central Chronicle Raipur.

PUBLISHED BOOK

S. N o.	Name of the Authors	Title book/chapter	ISBN No.	Publisher	Year
1	Shekhar Verma & Preeti Singh	A Comprehensive Book of Pharmacovigilance by Nirali Publication India	978-93-6109-894-9	National	2025
2	Pragya Baghe & Shekhar Verma	Challenges and Elucidation of Drug Solubility	978-1-0364-4780-9	International	2025
3	Prachi Achal Sahu, Shekhar Verma, & Yogesh Vaishnav	Pharmaceutical Marketing Management	978-93-94919-58-7	National	2024
4	Shekhar Verma & Sonam Soni	Social and Preventive Pharmacy	978-93-94919-91-8	National	2023
5	Shekhar Verma	Industrial Pharmacy-II	978-93-94919-06-8	National	2022
6	Shekhar Verma & Preeti Singh	A Comprehensive Book of Pharmacovigilance: Theory & Practice by Dr P K Education Publication India	978-93-94919-09-9	National	2023
7	Shekhar Verma & Santosh Verma	Advancements in Controlled Drug Delivery Systems	2327-7033 2327-7041	International	2022
8	Ashish Kumar Pandey, Achal Mishra & Shekhar Verma	Recent trends and pharmaceutical applications for 3D printing in dermal drug delivery	9781032690926	International	2024
9.	Shivendra Singh Dewhare, Nagendra Kumar Chandrawanshi, Shekhar Verma, Sonam Soni	<u>Extraction, production, and encapsulation of essential oils</u>	9783110791594	International	2023
10	Shekhar Verma, Sonam Soni, Nagendra Chandrawanshi, Shivendra Singh Dewhare	<u>Sources and raw materials of essential oils</u>	9783110791594	International	2023
11	Shekhar Verma, Rupesh Soni, Arpan Tripathi	Advanced Pharmaceutics	978-93-5850-166-7	National	2023

I hereby declare that the above information is true to best of my knowledge


Shekhar Verma