

## Curriculum Vitae

### Dr. Amber Vyas

M. Pharm. (Pharmaceutics), Ph. D.  
UGC Raman International Fellow, University of Minnesota, USA  
Associate Professor, University Institute of Pharmacy  
Pt. Ravishankar Shukla University, Raipur (C.G.)  
President, Association of Pharmaceutical Teachers of India, C.G.

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H. No-03 Lokmanya GhraNirman Society, Neal Goal  
Chowk Rohinipuram, Raipur (C.G.)-492010

### Academic Qualifications

<b>Post- Doc</b>	Univ. of Minnesota, Minneapolis, Minnesota, USA	2017
<b>Ph.D.</b>	Univ. Inst. of Pharmacy, Pt. R.S.U. Raipur (C.G.)	2011
<b>M.Pharm.</b>	KLE's College of Pharmacy, Belagavi affiliated to RGUHS, Bengaluru, K.A.	2006
<b>GATE</b>	Qualified (80.34 percentile) IIT, Madras, Chennai	2003
<b>B.Pharm.</b>	B.R.N.C.P, Mandasour (M.P.)	2002
<b>Intermediate</b>	M.P. Board, Bhopal (M.P.)	1997

### Ph.D.

#### **“Development and Characterization of Cyclodextrin Complexed Novel Drug Delivery System of Some Drugs”**

In the work undertaken a new approach was designed which simultaneously implement the cyclodextrin drug complexation power (improved drug aqueous solubility and permeability) and the inherent properties (improved permeability) of polymeric carriers (nanocarriers, microspheres) in a unique delivery system known as cyclodextrin complexed (nanocarriers, microspheres) novel drug delivery system. This new approach was thought to be capable of circumventing bioavailability problems related to both the BCS classes (II & IV) of drugs. The complexation with the cyclodextrin permits the solubilization as well as the protection for sensitive drugs, whereas the entrapment in the polymeric carrier's network is expected to facilitate their absorption.

### M. Pharm (Pharmaceutics)

#### **“Magnetically modulated biodegradable microspheres-A novel parenteral drug carrier for Cisplatin”**

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BSA microspheres incorporating cisplatin and magnetite were fabricated for parenteral delivery in cancer patient. The prepared magnetic microspheres were evaluated for their potential to localized or retain under influence of externally applied magnetic field.

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### *Academic & Research Experience:*

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- Total Teaching Experience: 19 Years 4 months
- Worked as Lecturer at Bajiraoji Karanjekar college of Pharmacy, Sakoli, Dist. Bhandara (Maharashtra) from 18<sup>th</sup> October 2005 to 21 June 2006.
- Working as a Lecturer (Temporary Post/ contract) at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 22 June 2006 to 13 October 2008.
- Working as Assistant Professor (Permanent Post) at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 14 October 2008 to 21 December 2020.
- Working as Associate Professor (Permanent Post) at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 21 December 2020 to till date.
- Research Experience: 5 Years
- One Year: During M.Pharm
- Four Years during Ph.D.
- Research Guidance
- Approved Ph.D. Guide at Pt. Ravishankar Shukla University, Raipur (C.G.)
- Students enrolled- 04
- Ph.D awarded- 2 (July 2016, July 2022)
- M.Pharm Students Guided- 20

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### *Administrative & Professional Credentials*

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- President Chhattisgarh State APTI (The association of Pharmaceutical teachers of India).

- Appointed as “Expert”, “Content writer” and “Presenter” in Subject of Pharmaceutical Sciences to develop E-Content for NME-ICT Phase-I and II in a project of UGC, in association with Educational Multimedia Research Centre, Dr. Hari Singh Gour University, Sagar, Madhya Pradesh, India.
- Member, Board of Studies University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India.
- Member, Board of Studies and Syllabus designing Committee, for Pharmacy, Agency, Directorate of Technical Education, Chhattisgarh, India.
- Approved Ph.D. Guide in Pharmacy under faculty of technology at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India.
- Warden, Azad Hostel, Pt. Ravishankar Shukla University (2014- 2017) (application/ date: 19.11.2014)
- Warden, Gandhi Hostel, Pt. Ravishankar Shukla University (2017-2020) (application/ date: 1.7.2020)
- Member of Annual Quality Assurance Report Committee (AQAR), Pt. Ravishankar Shukla University (3953/ date: 03.12.2019)
- Member of Placement cell, Pt. Ravishankar Shukla University (7974/ date: 31.12.2013)
- Member of transportation committee for zonal conference of Association of Indian Universities in Pt. Ravishankar Shukla University (7602/ date : 6.12.2013)
- Member of scientific committee, INSPIRE Internship camp, Pt. Ravishankar Shukla University (2173/ date: 28.5.2011)
- Member of internal complain committee for sexual harassment prevention cell (2712/ date: 17.7.2018)
- Observer in DRDO Recruitment Exam of Ministry of Defence, Government of India, in Pt. Ravishankar Shukla University, Raipur (C.G.) (2809/ date: 26.9.2019)
- Member of disciplinary committee, Pt. Ravishankar Shukla University (2321/ date:8.6.2018)
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- Appointed for preparing action plan for commercial use of various buildings located on the University campus of Pt. Ravishankar Shukla University (501/ date:19.6.2017)
  - Appointed as Nodal officer Consultancy Services, Pt. Ravishankar Shukla University (2771/ date:25.7.2017)
  - Member of Staff Profile Verification Committee, Pt. Ravishankar Shukla University (1721/ date:16.12.2019)
  - Member of Development and Embellishment Committee, Pt. Ravishankar Shukla University (3967/ date:3.12.2019)
  - Member of Food Committee in 3 days national Conference on “Aadhunik Bharat Ke Liye Gandhi ”, Pt. Ravishankar Shukla University (361/ date:6.9.2019)
  - Member of poster preparation and presentation committee for Rajyaotsav of C.G. State from Pt. Ravishankar Shukla University (4480/ date:21.10.2010)
  - Member of state universities ordinance & statute evaluation committee of Directorate, Higher Education C.G (99/ date: 21.1.2020)
  - Nominate member of university in governing body of affiliated college (1897/1.4.21)
  - Zonal coordinator central zone DRPI (An International Dissolution Research Presentations)
  - Departmental practical exam in charge
  - Member, M. Pharm program committee (as per PCI, New Delhi) of UIOP, Pt. RSU, Raipur
  - Member, board of studies Pharmacy, Sant Gahira Guru Vishwavidyalaya, sarguja (C.G.) (549/ date:5.4.22)
  - In charge departmental central instrumental facility
  - In charge departmental purchase committee
  - Subject Expert in selection committee for appointment of faculty in Pharmacy at Shri Rawatpura Sarkar University, Raipur (letter/ date: 13.9.22)

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- Member, M. Pharm program committee (as per PCI, New Delhi) of UIOP, Pt. RSU, Raipur
  - Coordinator Start up Activity, ARIIA(ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS) under Institution's Innovation Council (IIC) of Pt. Ravishankar Shukla University
  - Member document verification for admission in B. Pharmacy at UIOP, Pt. RSU, Raipur
  - Member, in University ordinance, statute & regulation amendment compilation and final draft preparation committee.
  - Member, board of studies, faculty of tech., Pharmacy, Pt. RSU, Raipur
  - Participated as judge in university annual cultural & sports festival
  - Invited member in University Institution innovation council, Pt. RSU, Raipur
  - Member departmental Placement Committee
  - Member departmental sport & Co-curricular committee
  - Observer in AIEEE and JEE-Mains organized by CBSE [Central Board of Secondary Education], INDIA.
  - Examiner and paper setter in Chhattisgarh Swami Vivekananda technical University, Bhilai (C.G.)
  - Examiner and paper setter in Pt. Ravishankar Shukla University, Raipur (C.G.)
  - Examiner and paper setter in Jiwaji University, Gwalior (M.P.)
  - Examiner and paper setter in Vikram University, Ujjain (M.P.)
  - Examiner in Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal (M.P.)
  - Assistant Controller in University Examinations, Pt. R. S. S. U, Raipur (C.G.).

### *Awards & Honors & Fellowships*

- Among the top 2% of scientists across the world in the field of Pharmacy and Pharmacology in a survey conducted by Stanford University, United States for consecutive 2 years (2023, 2024).
- Received Best poster presentation (First position) in Annual National Convention of the Association of Pharmaceutical Teachers of India-2023 (APTICON-2023), PSIT (Pharmacy), Kanpur, 2<sup>nd</sup> to 3<sup>rd</sup> September 2023.
- Received Best Academician Award in Pharma Meet2.0 on 21<sup>st</sup> March 2021 at Hotel Solitaire, Raipur (C.G.) organized by Chhattisgarh Society of Pharmaceutical Science and Indian Pharmaceutical Association.
- UGC RAMAN FELLOWSHIP 2016 for carrying out research at University of Minnesota, U.S.A.
- Recommended for UGC-Research Award in year 2013-14 and 2014-15.
- Received International travel grant from Grant Cell of UGC, Pt. R. S. U and from ICMR for presenting research work in International Conference at Italy, Pisa in year 2013.
- Head, Drug information Center, Raipur, Run by Chhattisgarh State Pharmacy council and funded by WHO India country office via. Karnataka State Pharmacy Council.
- Recipient of Young scientist award-2011 (Best oral presentation) in National conference “Impact of nanotechnology on drug discovery and development” on 25-27 June 2011 at Koi Resort, Shimla (H.P.) organized by Pharmanext and medixfora.
- Recipient of Young scientist award-2010 (Medical sciences including Pharmaceutical Science) in 8<sup>th</sup> Chhattisgarh young scientists congress of C.G. council of science and technology.
- Qualified National Level Test GATE-2003 conducted by Indian Institute of Technology Madras, Chennai with 80.34 percentile. All India rank 1257.
- Received AICTE-JRF Scholarship for pursuing M.Pharm

### *Publications*

<b>Publication Summary</b>	
International Papers	: 38
National Papers	: 35
Book	: 07
Book Chapter	: 21
Web publications	: 02

## Citation Analysis

	Google Scholar
H- index	21
Total Citation	3249
Google i10	31

## PUBLICATION STATISTICS :Publication with Impact Factor

Journal Title	Publisher	Impact Factor	No. of papers
Current Pharmaceutical Design	Bentham Sciences	2.832	02
Anticancer agents in medicinal chemistry	Bentham Sciences	2.505	02
Particulate Science and Technology	Taylor & Francis	1.081	01
Journal of Inclusion Phenomena and Macrocyclic Chemistry	Springer	2.832	05
Research Journal of Pharmacy and Technology	A&V Publication	-	08
Artificial Cells, Nanomedicine, and Biotechnology	Taylor & Francis	5.6	05
Pharmaceutical Development and Technology	Taylor & Francis	2.374	01
Journal of Drug Delivery Science and Technology	Elsevier	3.981	01
Journal of Pharmaceutical and Biomedical Analysis	Elsevier	2.8	01
Molecular Pharmaceutics	American Chemical Society	4.556	01
International Journal of Biological macromolecules	Elsevier	2.7	01
Journal of Bioactives and Compatible polymers	SAGE publications	2.60	01
BioMed research international	Hindawi Publishing Corporation	1.70	01
Drug Development and Industrial Pharmacy	Taylor & Francis	2.367	01
The Scientific World Journal	Hindawi Publications	1.7	01
Colloids and Surfaces: Biointerface	Elsevier	3.5	01

## TOP SIX FEATURED PUBLISHED ARTICLES

Publication Details	Citation
Cyclodextrin based novel drug delivery systems. Journal of inclusion phenomena and macrocyclic chemistry 62 (1-2), 23-42	568
A Comprehensive review on Cyclodextrin- based Carriers for Delivery of Chemotherapeutic Cytotoxic Anticancer drugs. BioMed Research International 2015	511

Nanostructured lipid carriers and their current application in targeted drug delivery. <i>Artificial cells, nanomedicine, and biotechnology</i> , 44(1), 27-40.	326
Microwave assisted extraction for phytoconstituents- an overview. <i>Asian Journal of Research in Chemistry</i> 2(1), 19-25	280
Quantum Dots: Prospectives, toxicity, advances and Application. <i>Journal of Drug Delivery Science and Technology</i> , 61, 102308.	263
Synthesis, Characterization and application of epichlorhydrin- $\beta$ -cyclodextrin polymer. <i>Colloids and Surfaces B: Biointerfaces</i> 114, 130-137.	238

### *Research Projects Awarded*

S. No	Principal Investigator	Title	Sponsoring Agency	Amount (Lakhs)	Status
1.	Dr. Amber Vyas	Development and Characterization of lipid carrier for improved co-delivery of drugs for atopic dermatitis	Chhattisgarh Council of Science and Technology, Raipur	4,85,000.00	Ongoing
2.	Dr. Amber Vyas	Formulation, Optimization and Evaluation of Topical Delivery System Loaded with Nanolipid Carriers of Cyclodextrin Complexed Anticancer Drug in Combination with Natural Triterpenoids for Treatment of Skin Cancer	Department of Science and Technology (DST), New Delhi, Under DST-Nanomission-Nanotechnology Scheme Sanction letter no.DST/MN/NT/2018/ 20(G), dated 11/02/2019	81,98,200.00	Completed

3.	Dr. Amber Vyas	Preparation and characterization of cyclodextrin based nanostructured lipid carriers for poorly soluble alkylating agent	<b>University Grants Commission, Delhi,</b> Sanction letter no UGC/MRP- F. No. 42-706/2013(SR)	11,07,500.00	Completed
4.	Dr. Amber Vyas	Development and Characterization of supramolecular system of drug-cyclodextrin complexes encapsulated in Rosin microspheres	<b>Chhattisgarh Council of Science &amp; Technology, Raipur (C.G.),[CGCOS T] Sanction letter no. CCOST/MRP/ 2012/2012 Endt. No. 1926</b>	3, 55,000.00	Completed

#### *Academic Visits Abroad:*

- **AIMST University Sungai Petani, Malaysia, 2019.**
- Presented research paper entitled Preparation and Characterization of binary inclusion complex of ursolic acid with polymerized hydrophilic beta cyclodextrin in 17<sup>th</sup> Annual International Conference on the Science of botanicals organized by **University of Mississippi.**
- Presented research poster in “3<sup>rd</sup>Conference on Innovation in Drug Delivery: Advances in Local Drug Delivery” organized by ADRITELF (Associazione Docentie Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche), ITALY, and APCI (Association de Pharmacie Galénique Industrielle – International Society of Drug Delivery Sciences and Technology), France on, Preparation, Evaluation and Optimization of Nanostructured Lipid Carriers for Topical Delivery of Anti-Cancer Drug, dated 22 - 25 September, 2013 PISA, **ITALY.**

### *Registrations and Memberships:*

#### **A. Registration**

- Registered Pharmacist - M.P. State Pharmacy Council Reg. No. 15689

#### **B. Life Membership of National Professional Bodies**

1. Life member of **IPA** Indian pharmaceutical association from January 2001 onwards Membership no. MP/MAN/LM/0024
2. Life member of **APTI** (The association of Pharmaceutical teachers of India) from August 2006 onwards. Membership no. C.G./LM-025
3. Treasurer in APTI Chhattisgarh State Branch.

### *Research Area:*

- Cyclodextrin complexation
- Novel drug delivery system
- Nano crystallization
- Pharmaceutics

### *Equipment Exposure:*

HPLC Shimadzu, UV Spectrophotometer (Shimadzu pharma SPEC 1700), FTIR (Shimadzu 8400S), Viscometer (Brookfield), Stability Chamber (Remi), Lyophilizer (ThermoHeto), Tablet Machine (Shakti 12 station), Tablet Dissolution Apparatus (Electro Lab), Bulk Density Apparatus (Electro Lab), Abbes Refractometer, Metabolic shaker, Continuous shaker, Rota evaporator, Malvern Zeta Sizer

### *Association with Scientific Journals:*

- Reviewer in Journal: Molecular Pharmaceutics (ACS Publication) (ISI Impact Factor of 3.500 in 2007, as reported in the 2007 Journal Citation Reports® by Thomson Reuters)
- Reviewer in Journal of Drug Delivery Science and Technology, December 2019.
- Guest Editor Current Pharmaceutical Design 2020.

### *Associated with Universities in different Capacity*

- Chhattisgarh Swami Vivekananda Technical University, Bilai (C.G.)

- Jiwaji University, Gwalior (M.P.)
- Vikram University, Ujjain (M.P.)
- Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.)

### *Seminar/ Workshop/Conferences Organized*

- **Organizing Secretary** in webinar on “Role of Teachers in National Education Policy 2020” organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) on 3<sup>rd</sup> April 2021.
- **Organizing Secretary** in Golden Jubilee National Conference on Nanotechnology: Advances, Pitfalls and future challenges organized by University Institute of Pharmacy, Pt. R. S.S.U, Raipur (C.G.) from 28<sup>th</sup> – 30<sup>th</sup> April 2014.
- **Treasurer** in U.G.C.-S.A.P sponsored National Seminar on ”Advances and Avenues in the Development of Cargoes for Bioactives” organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India on 31 Jan- 02 Feb. 2013.
- **Coordinator** in National conference on “Comparative Analysis between Conventional”& Current Research Trends in Pharmacy” organized by Invertis Institute of Pharmacy, Invertis University, Bareilly, on 16<sup>th</sup> September, 2012.
- **Member** Local organizing committee in U.G.C sponsored national seminar “Advances in pharmaceutical research” organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India. On 28-30 Jan. 2011.
- **Member** Local organizing committee in U.G.C. Sponsored seminar on “Recent advances in novel and cosmetic technology” organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India; 19-20 March 2007.

### *Personal Details*

Father's Name	:	Shri Jagdishchandra Ojha
Mother's Name	:	Smt. Krishna Ojha
Spouse Name	:	Dr. Veenu Joshi

### *Address*

#### **Office:**

University Institute of Pharmacy  
Pt. Ravishankar Shukla University  
Raipur, 492010 Chhattisgarh, India,

#### **Residence:**

03, Lokmanya Society  
Rohinipuram Gol Chowk, DD Nagar  
Raipur, 492010 Chhattisgarh, India

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*List of Ph.D. Awarded under the Supervision:*

1. Bina Gidwani (2016)

Preparation and characterization of cyclodextrin based nanocarriers for delivery of anticancer drugs Bendamustine and Altretamine.

2. Atul Tripathi (2022)

Formulation, Characterization and Pharmacological Evaluation of Dual Drug Loaded Novel Drug Delivery System for Treatment of Visceral Leishmaniasis.

*List of Publications:*

2024

1. Phytospholipid complex vesicles: A Revolutionary Approach for Enhancing Bioavailability and Optimizing Therapeutic Potential in Herbal Medicine. Journal of Ravishankar University (PART-B). Ruchika Chandrakar; Vishal Jain; Amber Vyas; Narendra Kumar; Umakant Sahu. 2024.
2. Regulatory Frameworks for Integrated Medicine Management in USA, Europe, Japan, and China. International Journal of Drug Regulatory Affairs, Sanyam Gandhi, Omvir Singh, Akhilesh Tiwari, Prafulla Apshingekar, Sachin Jain, Vikas Jain, Pradeep Pal, Amber Vyas. 2024; 12(2): 37-45.
3. Formulation and characterization of Liposomal Fluconazole Transdermal Patch. Journal of Chemical Health Risks. Amol Chandekar, Bindesh Thakkar, Amber Vyas, Vishal Jain, Mohan Kale, Kshitij Thorat, Shweta Shelke, Saniya Nachan, Gautami Telang, Atul Tripathi. 2024; 14(3), 588-597.

2023

4. Optimization of Variables and assessment of invitro and in-vivo antihyperlipidemic activity of Eudragit RS nanoparticles containing simvastatin. Paticuology. 2023. IF 3.5
5. A Review on digital medicine and its implications in drug development process. Asian Journal of Pharmacy and Technology. 2023; 13(4),263-269.
6. Recent Updates On Nanocarriers For Drug Delivery In Posterior Segment Diseases With Emphasis On Diabetic Retinopathy. Current Diabetes Reviews. 2023. IF 3.3
7. Quorum Sensing in Gram-Negative Bacteria: Strategies to Overcome Antibiotic Resistance in Ocular Infections. Sakshi Tiwari, Bina Gidwani, Amber Vyas. Current molecular medicine. (2023). IF 2.616
8. Potential of Bioactive Compounds for Atopic Dermatitis. Ankita Sahu<sup>1</sup>; Manju Singh<sup>1</sup>; Vishal Jain<sup>1</sup>; Veenu Joshi<sup>2</sup>; Amber Vyas<sup>1\*</sup>. Journal of Ravishankar University (PART-B) (2023).
9. UV- Spectrophotometric technique – based method development and validation for simultaneous estimation of Ciprofloxacin HCl and Quercetin in bulk powder. International journal of Technology. (2023)
10. HPTLC method development and quantification of marker compound Gallic acid and Piperin in Ayurvedic polyherbal formulations: Avipattikar Churna. International journal of Technology. (2023)

11. Drug Phospholipid complex: A novel strategy for Lymphatic Filariasis Treatment. International journal of Technology. (2023)
12. Luliconazole promising drug for Dermatophytes: A review. International journal of Technology. (2023)
13. A review on digital medicine and its implications in drug development process. Amber Vyas, Tanu Bhargava, Vishal Jain, Darshan Dubey. Asian Journal of Pharmacy and Technology, 13(4): October – December, 2023. DOI: 10.52711/2231-5713.2023.00047
14. Picroside-1-Phytovesicle: A novel approach for Antihepatotoxic activity. Amber Vyas, Nagendra Singh Chauhan, Tripti Jain, A.K. Singhai, Vishal Jain. Research J. Pharm. And Tech. 16(5): May 2023.

## 2022

15. Experimental animal models: tools to investigate antidiabetic activity. Rashmi Madhariya, Bhupendra Dixena, Alpana Ram, Amber Vyas, Akhlesh jain. Current Pharmaceutical Design (2022).
16. Therapeutic potential and novel formulations of Ursolic Acid and its Derivatives: An updated review" by Namdeo, Priya; GIDWANI, BINA; Tiwari, Sakshi; Jain, Vishal ; Vyas, Amber, 2022.
17. Tripti Jain, Amber Vyas, Darshan Dubey, Kamlesh Dashora, Vishal Jain. Development of Fingerprinting Method for Estimation Glycyrrhizinic acid in Ayurvedic formulation Eladi Gutika: A HPTLC approach. Asian Journal of Research in Pharmaceutical Sciences. 2022; 12(4):277-0. doi: [10.52711/2231-5659.2022.00047](https://doi.org/10.52711/2231-5659.2022.00047)
18. Tripti Jain, Amber Vyas, Darshan Dubey, Kamlesh Dashora, Vishal Jain. Development of HPLC Fingerprinting Method via Estimation of Piperine for Unani Formulation Hab-e-Azarakhi. Asian Journal of Pharmaceutical Analysis. 2022; 12(4):258-0. doi: [10.52711/2231-5675.2022.00042](https://doi.org/10.52711/2231-5675.2022.00042)
19. Recent Advancement of Polymersomes as Drug Delivery Carrier. Current Pharmaceutical Design (2022). Kuldeep Singh, Avadh Biharee, Amber Vyas, Suresh Thareja and Akhlesh Kumar Jain. [Impact factor – 2.208]

## 2021

20. In-vitro evaluation of nano-liposomal formulation of Fluconazole and Amphotericin B against visceral leishmaniasis. Research Journal of Pharmacy and Technology (2021). Atul Tripathi, Amber Vyas.

21. Novel Suberoylanilide hydroxamic acid analogs inhibit angiogenesis and induce apoptosis in breast cancer cells. *Anti-cancer Agents in Medicinal Chemistry* (2021). GopikrishnaMoku, Swathi Vangala, VenuYakati, Chaitanya ChakravarthiGali, SoumenSaha, Vijay Sagar Madamsetty, Amber Vyas. [Impact factor- 2.505]  
DOI: <https://doi.org/10.2174/1871520621666210901102425>
22. Quantum dots: Prospectives, toxicity, advances and applications. *Journal of Drug Delivery Science and Technology* (2021) 61. Bina Gidwani, Varsha Sahu, Shiv Shankar Shukla, Ravindra Pandey, Veenu Joshi, Vikas Kumar Jain, Amber Vyas. DOI: <https://doi.org/10.1016/j.jddst.2020.102308> [Impact factor: 3.981]

## 2020

23. Recent advances in lipid-based nanodrug delivery systems in cancer therapy. *Current Pharmaceutical Design* (2020) 26: 1. BuddhadevLayek, BeenaGidwani, Sakshi Tiwari, Veenu Joshi, Vishal Jain and Amber Vyas. [Impact factor – 2.208]<https://doi.org/10.2174/1381612826666200622133407>
24. Phytochemical and pharmacological screening of leaf of *Lanneacoromandelicalinn*. *Research J. Pharm. and Tech* 2020; 13(6): 2815-2818. Tekeshwar Kumar, Amber Vyas, Vishal Jain. DOI: 10.5958/0974-360X.2020.00501.6
25. Aromatase Inhibitors for the Treatment of Breast Cancer: A Journey from the Scratch. *Anti-Cancer Agents in Medicinal Chemistry*, *Anti-Cancer Agents in Medicinal Chemistry* (2020) 20: 1. Pooja Ratre, Keerti Mishra, Amit Dubey, Amber Vyas, Akhlesh Jain and Suresh Thareja. [Impact factor – 2.049](<https://doi.org/10.2174/1871520620666200627204105>)
26. Investigation of Effect of Phytoconstituents Aloe Emodin and Quercetin on Bioavailability of Albendazole. *Indian Journal of Pharmaceutical Education and Research* (2020) 54:4. Harsh Verma, Ravindra Kumar Pandey, Shiv Shankar Shukla, Bina Gidwani, Amber Vyas. DOI: 10.5530/ijper.54.4.193
27. Bora Rice: Natural Polysaccharide polymer for drug Delivery in Pharmaceutics. *Research Journal of Pharmacy and Technology* (2020) 13:12. Amber Vyas. DOI: 10.5958/0974-360x.2020.01091.4

28. Regulatory Framework of Herbal Medicine In Mexico. European Journal of Molecular and Clinical Medicine (2020) 7:11. Sanyam Gandhi, Akhilesh Tiwari, Amber Vyas, Megha Joshi. ISSN: 2515-8260

**2019**

29. Cytotoxicity and pharmacokinetics study of nanostructured lipid carriers of mechlorethamine: preparation, optimization, and characterization. Particulate Science and technology. Taylor & Francis, 2019: 1-12. Bina Gidwani, Amber Vyas & Chanchal Deep Kaur [Impact factor – **1.081**] (DOI:10.1080/02726351.2018.1536685)

**2018**

30. Investigation of inclusion behaviour of gefitinib with epichlorohydrin- $\beta$ -cyclodextrin polymer: Preparation of binary complex, stoichiometric determination and characterization. Journal of Pharmaceutical and Biomedical Analysis 160 (2018) 31–37. Bina Gidwani, Amber Vyas & Chanchal Deep Kaur [Impact factor – 2.8]

**2017**

31. Mechanistic Insight into Caffeine-Oxalic Cocrystal Dissociation in Formulations: Role of Excipients. Mol. Pharmaceutics 2017, 14, 3879-3888. Naga Kiran Duggirala, Amber Vyas, Joseph F. Krzyzaniak, Kapildev K. Arora, Raj Suryanarayanan [Impact factor –4.556]
32. Investigating the phase-solubility and compatibility study of anticancer drug complexed with  $\beta$ -cyclodextrin and HP- $\beta$ -cyclodextrin. International J of Adv in Pharmaceutical Sciences 9 (2017) 69-74. Preeti Dhurve, Atul Tripathi, Bina Gidwani, Amber Vyas.
33. Preliminary screening of *Waltheria indica* (L.) plant for its anti-inflammatory activity. International J of Adv in Pharmaceutical Sciences 9 (2017) 69-74. 275-278. **Amol Chandekar, Amber Vyas, Neeraj Upamanyu, Atul Tripathi, Surendra Agrawal.**

34. Evaluation of hepatoprotective effect of *Waltheria indica* against various NSAIDs-induced hepatic damage in rats. International Journal of Phytomedicine 9 (2017) 157-166. **Amol Chandekar, Neeraj Upamanyu, Amber Vyas, Atul Tripathi, Surendra Agrawal, DeenanathJhade.**
35. Antioxidant and Antiulcer Potential on leaves of *Brassica nigra L.* against Gastric Ulcer. International Journal of Phytomedicine 9 (2017)144-150. Atul Tripathi, Rakesh Punekar, Vishal Jain, Chandra Kishore Tyagi, Amol Chandekar, Amber Vyas.
36. Formulation and Evaluation of gel containing nanostructured lipid carriers of tretinoin-Epi- $\beta$ -CD binary complex for topical delivery. Journal of Inclusion Phenomenon and Macrocyclic chemistry. 2017, 1-9. Bina Gidwani, Piyush Jaiswal, Amber Vyas.
37. Application of nanocarrier-based drug delivery system in treatment of oral cancer. Artificial Cells, Nanomedicine, and Biotechnology. 2017; volume 45; Issue 6; Pages 1-8. Abhishek K. Sah, Amber Vyas, Preeti K. Suresh, Bina Gidwani. [Impact factor – 5.6]
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## 2016

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## 2015

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43. A Schematic Overview on Computational Methodologies for Designing Synthetically Biological Products. Current Synthetic and Systems Biology. **2015**; 3 (2): 1-4.
44. A Comprehensive Review on Cyclodextrin-Based Carriers for Delivery of Chemotherapeutic Cytotoxic Anticancer Drugs. Hindawi Publishing Corporation, BioMed Research International, Article ID 198268; **2015** pages 1-16. [Impact factor – 1.70]
45. Inclusion complexes of bendamustine with  $\beta$ -CD, HP- $\beta$ -CD and Epi- $\beta$ -CD: *In-vitro* and *in-vivo* evaluation.” Drug development and Industrial Pharmacy. 2015; 1- 11 [Impact factor – 2.006]
46. UV-Spectrophotometric method for estimation of Altretamine in bulk and pharmaceutical solid dosage form. Journal of atoms and molecules. 2015; 5 (1): 860-871.

## 2014

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49. “Nanostructured Lipid Carriers (NLCs) and their current application in targeted drug delivery.” Artificial Cell, nanomedicine and biotechnology. March 2014; 1-14. Informa (Impact factor – 0.85)
50. “Carrier based drug delivery system for acne.” The Scientific world Journal. Hindawi Publication. Volume 2014 (February), Article ID 276260, 14 pages. (Impact Factor – 1.7)

51. "Synthesis, characterization and application of epichlorohydrin- $\beta$ -cyclodextrin polymer." *Colloids and Surfaces: Biointerface*. 2014: Vol. 114: 130-137. (Impact Factor- 3.5)

## 2013

52. "The Potentials of Nanotechnology based drug delivery system for treatment of ovarian cancer." *Artificial Cell, nanomedicine and biotechnology*. 2013: 1-7. Informa (Impact factor – 0.85)
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56. "Preparation, characterization and pharmacodynamic activity of supramolecular and colloidal systems of rosuvastatin–cyclodextrin complexes." *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, Volume 66, 2012, 251-259. (Impact Factor- 1.251).
57. "Chervil: A Multifunctional Miraculous Nutritional Herb." *Asian Journal of Plant Science* 2012; 11 (4): 163-171. (Indexed in Thomson Reuter)
58. "Importance of Pharmacovigilance in Indian Pharmaceutical Industry." *Asian Journal of Research in Pharmaceutical Sciences*. 2012; 1(1): 04-08.
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61. Development and Validation of Spectrophotometric Method for Estimation of Cephalexin in Bulk and Tablet Dosage Forms." *Oriental Journal of Chemistry*, 2011, Vol. 27, No. (1): Pg. 359-362 (Indexed in Thomson Reuter)

62. Evaluation of Antipyretic Potential of *Aegle marmelos* (L.) Correa leaves."Oriental Journal of Chemistry, 2011, Vol. 27, No. (1): Pg. 253-257 (Indexed in Thomson Reuter)
63. Acute and Chronic Effect of *Hibiscus rosa sinensis* Flower Extract on Anxiety Induced Exploratory and Locomotor Activity in Mice." Journal of Plant Sciences 6(2): 2011, 102-107.

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65. TLC Densitometric methods for quantification of gallic acid in Triphalachurna for routine quality control."Research J. of Pharm. And Tech, 3(4): 2010, 230-233.
66. HPLC determination of Piperine in 'TrikatuChurna' a potent Ayurvedic Formulation for routine quality control." Asian J. Research Chem 3(4): 2010, 183-186.

## 2009

67. Supercritical Fluid Technology in Pharmaceuticals: An overview." Research Journal of Pharmacy and Technology, Volume 02, Issue 01, Jan–March, 2009 Page no. 65-71.
68. Microwave assisted extraction for phytoconstituents – An overview."Asian Journal of Research in Chemistry, Volume2 (1): Jan.-March, 2009 page no. 19-25.

## 2008

69. Biological Screening Procedures for Anti-Drugs." <http://www.pharmainfo.net> on 06/07/2008
70. Cyclodextrin based novel drug delivery systems." Journal of Inclusion Phenomena and Macrocyclic Chemistry, Volume 62, Numbers 1-2 / October, 2008, 23-42.  
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71. Nocturia: Prevalence and therapeutic strategies."Research Journal of Pharmacy and Technology, Volume 01, Issue 04, October- December, 2008 Page no. 324-327.

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**2007**

72. *Pharma Profession: Opportunities ahead*” Published in <http://www.pharmainfo.net> On 19<sup>th</sup> January 2007.

**2006**

73. *Protein Nanotechnology- An Overview*” The Pharmaceutical Magazine, Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (Dec 2006).

### *List of Book Chapters*

- 1) Application of Microfluidics in Dermal Drug Delivery System. 3D Printing and Microfluidics in Dermatology, 2024.
- 2) Recent Strategies Inhibiting Quorum Sensing and Biofilm Formation in Bacteria to Combat Antibacterial Drug Resistance. Contemporary Approaches to Mitigating Antibacterial Drug Resistance, 2024.
- 3) Traditional Herbal Medicines: A prospective panacea for SARS- CoV2. Practice and re-emergence of Herbal medicine, 25-52, 2023.
- 4) Plant cardenolides : multifunctional medicinal agents. Steroids and their medicinal potential, 149-174, 2023.
- 5) Herbal drug interaction and effects on phyto-pharmaceuticals. Phytopharmaceuticals and Herbal Drugs: Prospects and Safety Issues in the Delivery of Natural Products. Elsevier Page no. 249-264, 2023.
- 6) Introduction to Magnetic Quantum Dots. Magnetic Quantum Dots for Bioimaging, Page no. 1-26, 2023.
- 7) Magnetic Quantum Dots for in vivo imaging. Magnetic Quantum Dots for Bioimaging, Page no. 227-240, 2023.
- 8) Signaling crosstalk between cytokinins and abscisic acid in plant defense, growth, and development. Hormonal Cross-Talk, Plant Defense and Development, Page no. 149-170, 2023.
- 9) Use of plant-defense hormones against pathogen diseases. Hormonal Cross-Talk, Plant Defense and Development, Page no. 305-334, 2023.
- 10) Inflammatory Mediators and Cytokines involved in Rheumatoid Arthritis. Natural Products for the Management of Arthritic Disorders, Page no. 117-133, 2022.
- 11) Polymeric Nanoparticles as drug delivery system: Basic concepts and applications. Nanoparticle and Nanocarriers based Formulations, Bentham Science., 2022.
- 12) Nanocarriers for Drug targeting. Nanoparticles and Nanocarriers based Formulations, Bentham Science. 2022.
- 13) Lipoidal Carrier as drug delivery system. Nanoparticle and Nanocarriers based Formulations, Bentham Science. 2022.

- 14) Pathogenesis-related proteins: Role in plant defence. *Biocontrol Agents and Secondary Metabolites*. Page no- 573-590, 2021. DOI: <https://doi.org/10.1016/B978-0-12-822919-4.00025-9>
- 15) Zoopharmacognosy (Plant-Animal Interaction). *Evidence Based Validation of Traditional Medicines*; Springer; Page no-727-741, 2021.
- 16) Importance of Chromatography Techniques in Phytomedicines Research. *Evidence Based Validation of Traditional Medicines*; Springer; Page no- 279-297, 2021.
- 17) Standardization and Quality Evaluation of Botanicals with Special Reference to Marker Components. *Evidence Based Validation of Traditional Medicines*; Springer; Page no- 405-426, 2021.
- 18) Piper longum- An Ayurvedic Remedy as Antihyperlipidemic. *Recent Progress in Medicinal Plants. Metabolic Disorders: Hyperlipidemia Vol.47*; Studium Press; Page no- 1-21, 2018.
- 19) Modified Polysaccharides: Its Needs, Approaches and Applications in Drug Delivery. *Natural Products: Research Reviews Vol. 4; 2015 pages 341-378*.
- 20) Utilization of Cyclodextrin and its Derivatives in Novel Delivery of Herbal Constituents and Bioactives. *Bioactive Phytochemicals: Perspectives for Modern Medicine Vol.2*; Daya Publishing House, New Delhi, Page no- 471-498, 2014. [ ISBN: 9788170359111]
- 21) *Zanthoxylum Alatum*: A Miraculous Species from Genus *Zanthoxylum*. *Bioactive Phytochemicals: Perspectives for Modern Medicine Vol.2*; Daya Publishing House, New Delhi; Page no- 381-397, 2014. [ ISBN: 9788170359111]

### *List of Books Authored*

- Drug Delivery Systems, PharmaMed Press / BSP Books. **ISBN: 9788197181887**; 2024.
- Pharmacy Exams- Expert Cracker, PharmaMed Press An imprint of BSP Books Pvt. Ltd. **ISBN: 978-93-9191-061-7**; 2022. Swati Pandey, Monika Bhairam, Amber Vyas, Ravindra Kumar Pandey, Shiv Shankar Shukla
- Textbook of Social and Preventive Pharmacy, 1<sup>st</sup> Edition, published by, Vallabh Prakashan, New Delhi, 2022, **ISBN 978-93-85529-43-6**
- Fingerprinting Analysis and Quality Control Methods of Herbal Medicines, 1st Edition, Published by, CRC Press Taylor & Francis Group, 6000 BROKEN SOUND PARKWAY NW, STE 300, BOCA RATON, FL 33487-2742 USA, Published on July 3, 2018, **ISBN 9781138036949**
- Techniques for preparation of host – guest inclusion complexes. Lambert Academic Publishing 12/05/2016. **ISBN (978-3-659-88118-3)**.
- Practicals in Medicinal Chemistry, First Edition 2015, Published by A & V Publications RJPT House, Rohanipuram, Raipur 492 010. (CG) India. **ISBN: 978-93-85525-05-6**.
- CVS Biomarker used as Diagnostic Tool, First Edition 2015, Published by A & V Publications RJPT House, Rohanipuram, Raipur 492 010.(CG) India. **ISBN: 978-93-85525-04-9**.

### *Training/ Workshops/Staff Development program attended*

- Core SC Co-ordinator - Central Zone and evaluator in DISSO RESEARCH PRESENTATIONS INDIA 2022-ONLINE (DRPI 2022) event organized by Society for Pharmaceutical Dissolution Science (SPDS), 9<sup>th</sup>-10<sup>th</sup> July, 2022.
- Evaluator in DISSO RESEARCH PRESENTATIONS INDIA 2020-ONLINE (DRPI 2020) event organized by Society for Pharmaceutical Dissolution Science (SPDS) from 4<sup>th</sup> to 7<sup>th</sup> June, 2020.
- **E-shodhsindhu web of science certification series**, 15 June 2020.
- Attended UGC sponsored short term course “ARPIT” (Annual refresher program in teaching) organized by HRDC department, Pt. Ravishankar Shukla University, Raipur from 03.02.2020 to 08.02.2020.
- Attended UGC sponsored short term course “Workshop on MOOCs, e-Content Development and Open Education Resources (STC) organized by HRDC department, Pt. Ravishankar Shukla University, Raipur from 19-24 August 2019.
- **AICTE Sponsored Staff Development Programme** on “Recent Advances in Designing of novel formulation for plant actives and 111 extracts.” at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) from 03<sup>rd</sup>– 17<sup>th</sup> December 2013.
- 3-days **UGC Sponsored National Workshop** on Chromatographic and Spectroscopic analysis for phytoconstituents held at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur from 14<sup>th</sup> - 16<sup>th</sup> March 2013.
- **Workshop** on “Chromatographic techniques” at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur (C.G.), India on 13<sup>th</sup> December 2011.
- **UGC-Sponsored Workshop** on “Science citation index, social science index, impact factor, citation index and h- index of research publications” organized by UGC- Academic staff college Pt. Ravishankar Shukla University Raipur (C.G.), India on 10/09/2011.
- **AICTE Sponsored SDP (Staff Development Programme)** held at Gayatri college of Pharmacy, Sambalpur (ORRISA), India from 26<sup>th</sup> April – 01<sup>st</sup> May, 2010. [Theme Recent advancements in pharmaceutical quality control techniques]

- **AICTE Sponsored SDP (Staff Development Programme)** held at Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur (C.G.), India from 24<sup>th</sup>Feb – 10<sup>th</sup>March, 2006. [Theme Current Trends in Pharmaceutical analytical techniques]
- Five - days training on “**Drug Information**” at Bangalore under project title “**Setting up of drug information center in selected states in India**” funded by **WHO India country office** at Karnataka State Pharmacy Council 2006.

### *Resource Person in National and International Seminars/ Conferences*

- A Hands-on Training Program on Formulation Development Aspects of Nanotechnology-Based Drug Delivery Systems organized by STUTI, Department of Science and Technology, India, 18<sup>th</sup>-24<sup>th</sup> August, 2022.
- Faculty Development Programme on “Emerging Trends in Life Science and Nanomedicine Research” organized by Kalinga University, Raipur (C.G.), 24<sup>th</sup> June 2022.
- National seminar on “Exploring Novel Drug Delivery Approaches and Emerging Trends in Pharmaceutical Research” organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.), 13<sup>th</sup> -14<sup>th</sup> May, 2022.
- International E-Conference On Natural and Novel Pharmaceutical Research organized by School Of Pharmacy, ARKA JAIN University, Jharkhand, India & Pharmacy Department, San Pedro College, Philippines 18th-20th November 2021.
- AICTE sponsored STTP on Scientific Research Paper, patents and Research Proposal Writing for grants and an Ethics, 25-30 May 2021.
- AICTE sponsored National level Teacher's Training Programme on NBA Accreditation and Processes, 24-29 May 2021.
- Short term training program (STTP) on Future Trends in Research methodology for Drug Discovery and Development, 2021.
- Refresher course for registered pharmacist sponsored by Gujrat state pharmacy council and shreeNaranjibhai Lal bhai Patel college of pharmacy, Gujrat- 31<sup>st</sup> Oct. 2020-1<sup>st</sup> Nov. 2020.
- ETI Training Workshop. Organised by Pt. Ravishankar Shukla University, Raipur, 2020.

- Webinar on X-Ray Diffraction Technology and applications in pharmaceuticals sciences, 15 June, 2020.
- Webinar on COVID-19 and the role of Natural Products, 2020.
- Live webinar on How to Publish in High Impact Journals. Organized by People's college of Dental Sciences and Research Centre, Bhopal, 01 June, 2020.
- Live webinar on Biomedical Applications of 3-D printing. Organized by School of pharmacy and Technology, SVKM'S, Hyderabad, 6<sup>th</sup> June 2020.
- Webinar on The jumping species: Novel Corona Virus 2019: Replication cycle and molecular target for developing antivirals and vaccines, 29<sup>th</sup> May 2020.
- Live webinar on Role of Accreditations and Rankings in Higher Education. Organized by School of Pharmacy and Technology, SVKM'S, Hyderabad, 30<sup>th</sup> May 2020.
- Guest lecture on Overseas learning: Prospects and path for pharmacy graduates by Priyadarshini J.L. College of pharmacy, Nagpur 14<sup>th</sup> August 2020.
- International webinar on COVID-19: Challenges and opportunities for pharmaceutical education and industry organized by Apex Institute pharmacy, Chunar, Mirzapur, U.P. 17<sup>TH</sup> May 2020.
- 2<sup>nd</sup> International Conference on Fostering Interdisciplinary Research In Health Sciences, AIMST University, Malaysia. 14<sup>th</sup>-15<sup>th</sup> September 2019.
- International seminar on Entrepreneurship opportunities in cultivation of Aromatic and medicinal plants sponsored by IJPLS and Rishabh Pharmaceuticals Pvt. Ltd. 11<sup>th</sup> Nov. 2019.
- National seminar on- Recent advancement and hazards of Radiopharmaceuticals in disease management by- Shri Rawatpura Sarkar Institute of pharmacy, Kumhari- 26<sup>th</sup> -27<sup>th</sup> April 2019.
- Three days short term training certificate course (STTCC) on drug discovery designing and development organized by- Dr. A.P.J. Abdul Kalam University- 28<sup>th</sup> Feb.- 2<sup>nd</sup> March 2019.
- PCI Sponsored continuing education program (CEP) held at Rungta college of Pharmacy -27<sup>th</sup> - 29<sup>th</sup> March 2019.
- National workshop on- Hands on training on working with cancer cell lines for preliminary screening of chemopreventive agents – by Columbia Institute of pharmacy, Raipur- 20<sup>th</sup>-21<sup>st</sup> July 2018.

- Lecture on- Cyclodextrin based novel delivery system for faculty member and PG students- SDPC, Kim, Gujrat- 24<sup>th</sup> Sept. 2018.
- PCI sponsored continuing education programme (CEP) on transforming the faculty organized by Columbia institute of pharmacy on 15<sup>th</sup> -17<sup>th</sup> Dec. 2018.
- CG-COST Sponsored National Conference on Pulsatile Drug Delivery System: A promising approach towards chronobiological diseases. Organized by Columbia College of Pharmacy, from 23-24 August 2014.
- AICTE Sponsored Staff Development Programme on “Emerging trends in herbal and novel drug delivery systems” Organized by Gondia educational societies Manohar bhai Patel Institute of Pharmacy, Gondia, Maharashtra on 05<sup>th</sup> June 2012.
- AICTE Sponsored Staff Development Programme on “Development Valuation & Standardization of Classic Indian Formulations” Organized by Columbia Institute of Pharmacy Raipur, (C.G) India from 06<sup>th</sup> - 17<sup>th</sup> May 2012.
- AICTE sponsored National seminar on “Phytomedicine avenues and challenges in formulation development” organized by Gondia educational societies Manohar bhai patel Institute of Pharmacy, Gondia, Maharashtra; on 7<sup>th</sup> January 2012.
- U.G.C sponsored national seminar “Advances in pharmaceutical research” organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India from 28<sup>th</sup> -30<sup>th</sup> January 2011.
- P.C.I. sponsored one day Orientation programme “Advances in pharmaceutical research and technology” organized by Columbia College of pharmacy, Tekari, Raipur (C.G.) India on 24<sup>th</sup> Feb. 2008
- U.G.C. Sponsored seminar on “Recent advances in novel and cosmetic technology” organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India from 19<sup>th</sup> -20<sup>th</sup> March 2007.

### *Chairperson in National and International Seminars/ Conferences*

- National seminar on National Science Day 2022, 23-24 February 2022 at Rungta Institute of Pharmaceutical Sciences, Bhilai (C.G.).
- International e-Conference on “ Recent Advances in Biological Sciences & Opportunities in Entrepreneurship”, 7th-8th January 2022 at School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, India.
- Faculty Development Program on “Computer aided Drug Design for Pharmaceutical Research and Development from 31<sup>st</sup> August- 4<sup>th</sup> September 2021 organized by SoMAS, GD Goenka University, Gurugram, India.
- 2<sup>nd</sup> International Conference on “ Unlocking Challenges, Innovations and Global Opportunities in Research Amidst COVID-19 Pandemic”, 14<sup>th</sup>-16<sup>th</sup> Dec. 2020 at Shri Rawatpura Sarkar University, Raipur (C.G.).
- 3<sup>rd</sup> International Conference on “Frontiers in Pharmaceutical Sciences and Research”, 1-2 February 2020, organized by Columbia Institute of Pharmacy, Raipur (C.G.).

### *Research Papers presented/accepted in Seminars& Conferences*

- ✚ Presented poster in Annual National Convention of the Association of Pharmaceutical Teachers of India-2023 (APTICON-2023), PSIT Pharmacy, Kanpur, 2<sup>nd</sup> to 3<sup>rd</sup> September 2023.
- ✚ 2<sup>nd</sup> International Conference on Unlocking challenges, Innovations and Global Opportunities in Research Amidst COVID-19 Pandemic, 14-16 December 2020.
- ✚ Conference on Fostering Interdisciplinary Research in Health Sciences, 14-15 September 2019.
- ✚ Presented Poster in APP 7<sup>th</sup> INDO- US Conference, 5<sup>th</sup> December 2019.
- ✚ Presented Poster in 11th Indo- Malaysian Conference, 3<sup>rd</sup> September 2019.
- ✚ Presented Poster in APP INDO-AFRICAN CONFERENCE on Trends and Scenario of Pharmaceutical Sciences and Research, IMA hall, Bareilly, U.P. 30<sup>th</sup> Nov. 2019.

- ✚ Presented Poster in 69<sup>th</sup> Indian Pharmaceutical Congress held at Chitkara University, Rajpura, Chandigarh, 22<sup>nd</sup> – 24<sup>th</sup> December 2017.
- ✚ Presented research paper entitled “Formulation and Evaluation of topical gel loaded with nanolipid carriers of cyclodextrin complexed anticancer drug for treatment of skin cancer.” On theme Inculcating collaborative research between different branches of pharmacy and allied sciences; organized by Sri Rawatpura Sarkar College of Pharmacy, Kumhari, Durg from 2<sup>nd</sup> – 4<sup>th</sup> September 2014.
- ✚ Presented research poster entitled “Preparation and characterization of lipid based delivery system for topical treatment of acne.” in 65<sup>th</sup> Indian Pharmaceutical Congress held at New Delhi, Amity University 20<sup>th</sup> – 22<sup>nd</sup> December 2013.
- ✚ Oral presentation in National conference on “Comparative Analysis between Conventional” & Current Research Trends in Pharmacy” organized by Invertis Institute of Pharmacy, Invertis University, Bareilly, on 16<sup>th</sup> September, 2012.
- ✚ Presented research poster in 1<sup>st</sup> Annual National Convention of Association of Pharmacy Professionals based on *Theme: Quality Pharmaceutical education and research-need of hour* on “Development And Characterization Of Cyclodextrin Nanosponges: A Novel Drug Delivery System For Delivery Of Poorly Soluble Drug.” held at Hotel Surendra Vilas, Bhopal (MP) on 7<sup>th</sup> April, 2012
- ✚ Presented research poster in 63<sup>rd</sup> Indian Pharmaceutical Congress organized by IPA held at Bangalore on 16-18 December, 2011.
- ✚ Presented research poster in 62 Indian Pharmaceutical Congress organized by IPA held at Manipal University, Manipal (Karnataka) on 17-19 December, 2010.
- ✚ Presented research poster in National Seminar “Advance approaches in drug designing and drug targeting” organized by GRY Institute of pharmacy Borawan (Khargone) MP on 31<sup>st</sup> March 2009
- ✚ Presented research poster in “59<sup>th</sup> Indian Pharmaceutical Congress” organized by “59<sup>th</sup> Indian Pharmaceutical Congress association held at Banaras Hindu University, Varansi” from 20-23 December, 2007.
- ✚ Presented research poster in AICTE sponsored national “Quality perspectives of herbal cosmetics” organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India held on 8-9 Sept 2007.

- ✚ Presented research poster in national conference on “Current trends of nanotechnology in advanced drug delivery” organized by Rungta College of Pharmaceutical Sciences and Research, Bhilai, (C.G) India on 30<sup>th</sup> March 2007.
- ✚ ✚ Presented research poster in “Biohorizon-07” joint Indo Korean symposium on biochemical Engineering and Biotechnology organized by “Indian Institute of technology, Delhi” held at biochemical engineering & biotechnology department, IIT Delhi, India held on 22- 24 Feb. 2007.
- ✚ Presented research poster in CCOST sponsored “5<sup>th</sup> Chhattisgarh young scientist congress, 2007” organized by Chhattisgarh swami Vivekananda technical university Bhilai, (C.G) India held on 28 Feb.-1 March 2007.
- ✚ Research paper accepted in "Controlled & Targeted Drug Delivery Nanotechnology" organized by Department of Pharmaceutical Sciences Dr. H. S Gour University Sagar (M.P) India held on 17<sup>th</sup> & 18<sup>th</sup> March 2007.
- ✚ Presented research poster in U.G.C. sponsored seminar on “Recent advances in novel and cosmetic technology” organized by Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, (C.G) India held on 19-20 march 2007.
- ✚ Research paper accepted in “APTI-11<sup>th</sup> Annual National Convention” held at, Bangalore (K.A) India held on 1-3 September 2006.
- ✚ Attended as delegate 58<sup>th</sup> Indian Pharmaceutical Congress organized by IPA held at Bombay exhibition center, Goregaon, Mumbai (Maharashtra) India held on 1-3 December 2006.
- ✚ Presented research poster in 2<sup>nd</sup> International Symposium on drug discovery and process research” held at KLES’s college of pharmacy, Belgaum (K.A) India held on 10-12 February 2006.
- ✚ Presented research poster in U.G.C. sponsored Seminar “Current advances in Phytopharmaceuticals” organized by “Indian Society of Pharmacognosy”, held at Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G) India held on 11-12 March 2006.

- ✚ Presented research poster in Sixth international symposium on “Advances in technology and business potential of new drug delivery systems” organized by controlled release society-Indian chapter at Mumbai India held on 18-19 Feb. 2005.
- ✚ Attended as delegate 2<sup>nd</sup> global congress on cosmetic technologies, organized by Indian Cosmetic Technologist Association held at K.L.E.S’s College of pharmacy, Belgaum (Karnataka) India held on 13<sup>th</sup>-15<sup>th</sup> February 2004.
- ✚ Presented Research poster in “International conference for recent advances in biomedical science and therapeutic systems (ICRABTS)” held at Bundelkhand University, Kanpur Road, Jhansi (U.P) India held on 13-15 Jan 2004.

### Patents

<b>Application No. &amp; Date</b>	202311048500 A dated 11/08/2023
<b>Title of Invention</b>	FORMULATION AND SYNTHESIS OF MUCOADHESIVE TABLETS CONTAINING SCHIFF BASE COMPOUNDS
<b>Design No. &amp; Date</b>	388224-001 dated 13/06/2023
<b>Title of the Patent</b>	CHEMICAL SPILL SUCTION PUMP
<b>Design No. &amp; Date</b>	434290-001 dated 14/10/2024
<b>Title of the Patent</b>	DEVICE FOR JOINT PAIN RELIEF
<b>Design No. &amp; Date</b>	433084001 dated 07/10/2024
<b>Title of the Patent</b>	BRONCHOHALER FOR INSTANT RELIEF IN ASTHMA

I hereby declare that all the information in my resume is true to the best of my knowledge.

**Date:**

**Place:** Raipur (C.G)



**Dr. Amber Vyas**





