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**Dr. Preeti K. Suresh**

**Professor and Director  
University Institute of Pharmacy  
Pt. Ravishankar Shukla University,  
Raipur (CG) INDIA**

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**Academic  
Qualifications**

**Postdoctorate**, 2005, from Kobe-Gakuin University, Kobe, Japan.

**Ph.D.** 2002, from Dr. H. S. Gour Vishwavidyalaya, Sagar (M.P.).

**M. Pharm. (Pharmaceutics)**: Passed with 66.9% in 1996, 7<sup>th</sup> position in the order of merit, Dr. H. S. Gour Vishwavidyalaya, Sagar (M.P.)

**B. Pharm.:** Passed with 65.7% in 1994, 8<sup>th</sup> position in the order of merit, Dr. H. S. Gour Vishwavidyalaya, Sagar (M.P.)

**Higher Secondary**: Passed with 76.9% in 1990 from M.P. Board.

**Area of Specialization**

Novel Drug Delivery Systems, Nanocarriers for drug delivery applications

**Projects Undertaken**

1. Studies on nano-sized hydrogels for oral peptide delivery
2. Development and characterization of delivery systems for oral administration of some peptidal drugs
3. Fatty acylated systems for oral delivery of peptidal drugs: Development and characterization
4. Development and characterization of corticosteroid loaded topical nanocolloidal carriers for treatment of inflammatory ocular disorders.

**Teaching Experience**

19 years in undergraduate and post-graduate classes

- 9 years: University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur
- 6 years: Institute of Pharmacy, GG University, Bilaspur
- 9 months: Institute of Pharmacy, Jiwaji University, Gwalior
- 3 years : Department of Pharmaceutical Sciences, Dr. H.S. Gour Vishwavidyalaya, Sagar

**Research Experience**

21 years

- Postgraduate: 1 year
- Doctoral: 5 years
- Post-doctoral: 17 years

<b>Research Guidance</b>	11 years (Supervising Ph.D. and M. Pharm. students for their dissertation) PhD.: Awarded – 01; Pursuing – 02 M.Pharm.: Completed – 20 ; Pursuing – 03
<b>Registered Pharmacist Number</b>	Chhattisgarh State Pharmacy Council: 10516
<b>Current Position</b>	Professor and Director, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, since 27 Nov. 2014
<b>Previous Positions</b>	<ul style="list-style-type: none"><li>• Lecturer, SLT Institute of Pharmaceutical Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur from Oct 2002 to Nov. 2008.</li><li>• Lecturer, Institute of Pharmacy, Jiwaji University, Gwalior from Jan-Oct. 2002.</li><li>• Associate Professor, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, 27 Nov. 2008 to 26 Nov. 2014</li></ul>
<b>Fellowships and Awards</b>	<ul style="list-style-type: none"><li>• Awarded Dr. Eric Drexler gold medal for best scientific presentation at the International Conference, Nanotech India 2009, Kochi Aug 2009.</li><li>• Awarded Research Fellowship by Matsumae International Foundation, Japan in 2005</li><li>• Awarded Senior Research Fellowship by Council of Scientific and Industrial Research in 1997</li><li>• Position holder in the order of merit in B. Pharm. [1994] and M. Pharm. [1996] Examinations</li><li>• Qualified GATE-94 (All India Rank- 357)</li></ul>
<b>Other Professional Credentials</b>	<ul style="list-style-type: none"><li>• Member, Academic Council, Pt. Ravishankar Shukla University, Raipur (2011-2014)</li><li>• Chairperson, Board of Studies, Pharmacy, Faculty of Technology, Pt. Ravishankar Shukla University, Raipur. From Feb 2012 – September 2012.</li><li>• Member, Board of Studies, Pharmacy, Faculty of Technology, Pt. Ravishankar Shukla University, Raipur. September 16, 2011 till date.</li><li>• Director, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur. February 2012 to May 2012.</li><li>• Member, Faculty of Education, Pt. Ravishankar Shukla University, Raipur (2013-14).</li><li>• Member, Faculty of Technology, Pt. Ravishankar Shukla University, Raipur (2015-16, 16-17).</li></ul>

- Member, Examination Committee, Pt. Ravishankar Shukla University, Raipur (2011-12, 2016-17).
- Member-Unfair Means Disposal Committee, Pt. Ravishankar Shukla University, Raipur (2014-15)
- Member, Public Outreach Centre, Pt. Ravishankar Shukla University, Raipur.
- Member, Anti-Ragging Committee, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (2010- till date).
- Centre Superintendent for the Centre: Pharmacy, Semester Examinations, Pt. Ravishankar Shukla University, Raipur (Jan 2011; May-June 2013; May-June 2014).
- Expert in Research Committee of Pharmacy, Banasthali University, Rajasthan
- Expert in Research Committee of Pharmacy, Chhattisgarh Swami Vivekanand Technical University, Bilhalai
- Ex-Member of the Board of Studies, Pharmacy, Faculty of Natural Resources, Guru Ghasidas University, Bilaspur (2007-08)
- Member, Centre for Women's Studies, Pt. Ravishankar Shukla University, Raipur since 2008.
- Editor, CWS Update, The biannual Newsletter published by Centre for Women's Studies, Pt. Ravishankar Shukla University, Raipur since Jan 2014.
- Reviewer in Nanomedicine: Nanotechnology, Biology and Medicine, Drug Delivery, Journal of Drug Targeting, Drug Development and Industrial Pharmacy, Pharmaceutical Biology, Oriental Pharmacy and Experimental Medicine, AAPS PharmSciTech, Powder Technology, Expert Opinion on Drug Delivery, British Journal of Pharmacology
- Paper-setter, evaluator in Pt. Ravishankar Shukla University, Raipur; Guru Ghasidas University, Bilaspur; Dr. H.S. Gour Vishwavidyalaya, Sagar; Jiwaji University, Gwalior; Vikram University, Ujjain; Swami Vivekananda Technical University, Durg (CG).; Babasaheb Bhimrao Ambedkar University, Lucknow
- Organizing Secretary, National Seminar on Emerging Trends in Drug Design and Development organised by G.G. University, Bilaspur

**Publications/Papers**

- Publications in national and international peer-reviewed journals - 48;
- Book chapter- 03;
- Popular articles in newspapers and newsletters - 04

List attached - Annexure -1

**Seminars/**

**Conferences/ Courses  
attended**

- List attached - Annexure -2

**Memberships**

- Life Member of Indian Pharmaceutical Association
- Life Member of Association of Pharmaceutical Teachers of India
- Life Member of Matsumae International Foundation, Japan

**Personal particulars**

- Date of Birth: Feb 4, 1973
- Sex: Female
- Nationality: Indian
- Husband: CA Kumaran Suresh, M.Com.,FCA, DISA(ICAI)
- Languages known: English, Hindi and Malayalam

**Address for  
correspondence**

University Institute of Pharmacy, Pt. Ravishankar Shukla  
University, Raipur (CG) 492 010

Phone No.: 0771-4265348, 098279-38427

E-mail: preeti\_venugopalan@yahoo.co.in, suresh.preeti@gmail.com

**References**

**Prof. S.P. Vyas**

Department of Pharmaceutical Sciences  
Dr. H. S. Gour Vishwavidyalaya, Sagar (MP)

**Prof. V.K. Dixit**

Department of Pharmaceutical Sciences  
Dr. H. S. Gour Vishwavidyalaya, Sagar (MP)

**Publications Details*****Publication Summary***

Book Chapters	: 03
Research Papers Published	: 48
Conferences/Seminars/Symposia	: 52

***Scopus Citation***

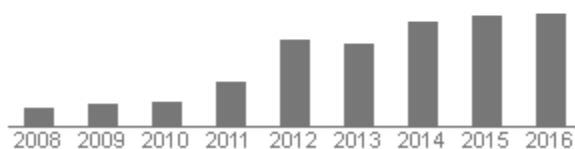
<b>Citation</b>	<b>:249</b>
<b>h-index</b>	<b>:08</b>

***Google Scholar Citation***

<b>Citation</b>	<b>: 476</b>
<b>h-index</b>	<b>: 09</b>
<b>i 10-index</b>	<b>: 09</b>

***Google Citation Index***

<b>Citation indices</b>	All	Since 2011
Citations	448	314
h-index	9	8
i10-index	9	7



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## **LIST OF PUBLICATIONS**

### **2017**

1. Application of nanocarrier based drug delivery system in the treatment of oral cancer.  
Abhishek K. Sah, Amber Vyas, Preeti K. Suresh and Bina Gidwani.  
**Artificial Cells, Nanomedicine, and Biotechnology** 2017; 45 (6), 1-8. **Impact factor- 3.052**
2. Medical management of glaucoma: Focus on ophthalmologic drug delivery systems of timolol maleate.  
Abhishek K. Sah and Preeti K Suresh  
**Artificial Cells, Nanomedicine, and Biotechnology** (2017) (In Press)  
DOI: 10.3109/21691401.2016.1160917. **Impact Factor: 5.605**
3. PLGA nanoparticles for ocular delivery of Loteprednol etabonate: a corneal penetration study.  
Abhishek K. Sah, Preeti K. Suresh and Vinod K. Verma.  
**Artificial Cells, Nanomedicine and Biotechnology** (2017) (In Press)  
**Impact factor: 5.605**
4. Loteprednol etabonate nanoparticles: Optimization via Box-Behnken design response surface methodology and physicochemical characterization.  
Abhishek K. Sah and Preeti K. Suresh.  
**Current Drug Delivery** 2017, 14, 676-689. **Impact factor- 2.516**
5. Biofilm-mediated antibiotic-resistant oral bacterial infections: Mechanism and combat strategies.  
Indulata Kanwar, Abhishek K. Sah and Preeti K. Suresh.  
**Current Pharmaceutical Design** (2017), 23(14), 2084-98. **Impact factor- 3.052**

### **2016**

6. Topical Analgesic Nanolipid Vesicles Formulation of Capsaicinoids Extract of Bhut Jolokia (*Capsicum chinense* Jacq): Pharmacodynamic Evaluation in Rat Models and Acceptability studies in Human Volunteers.  
Khomendra Kumar Sarwa, Bhaskar Mazumder, Preeti K. Suresh, Chanchal Deep Kaur.  
**Current Drug Delivery** 2016, 13(8), 1325-38. **Impact factor- 2.516**

### **2015**

7. Recent advances in ocular drug delivery, with special emphasis on lipid based nanocarriers.  
Abhishek K. Sah and Preeti K Suresh  
**Recent Patents on Nanotechnology** 2015, 9(2), 94-105. **Impact Factor: 2.575**
8. Development and in vitro characterization of Piroxicam loaded emulgel for topical delivery.  
Kumar Bandhu Lathiyare, Preeti K Suresh and Vishal Jain.  
**International Journal of Pharmacy and Pharmaceutical Research** 2015, 2(3), 18-32.

### **2014**

9. Hollow microspheres as a drug carrier: An overview of fabrication and characterization techniques.  
Avinash Kurrey, Preeti K. Suresh and Manju Rawat Singh.  
**Chronicles of Young Scientists** 2014, 5(1), 1-10.

10. Bioadhesive buccal gels impregnated with fluconazole: formulation, *in vitro* and *ex vivo* characterization.  
Sanju Manhar and Preeti K. Suresh.  
**Journal of Applied Pharmaceutical Science**, 2014, 4(3), 15-19.
11. Penetration of tamoxifen citrate loaded ethosomes and liposomes across human skin: A comparative study with confocal laser scanning microscopy.  
Khomendra Kumar Sarwa, Preeti K Suresh, Mithun Rudrapal and Manabendra Debnath.  
**Current Drug Delivery** 2014, 11(3), 332-337. **Impact Factor: 2.248 (Google Scholar Citation: 06)**
12. Nanocarriers for ocular delivery for possible benefits in the treatment of anterior uveitis: Focus on current paradigms and future directions.  
Preeti K. Suresh and Abhishek Sah.  
**Expert Opinion on Drug Delivery** 2014, 11(11)1747-68. **Impact Factor: 4.84 (Google Scholar Citation: 08)**
13. Patent perspectives for corticosteroids based ophthalmic therapeutics.  
Abhishek K. Sah and Preeti K Suresh  
**Recent Patents in Drug Delivery and Formulation** 2014, 8(3), 206-23.
14. Ocular implants as drug delivery device for ophthalmic therapeutics: An overview.  
Preeti K. Suresh, Geeta Barsa, Abhishek Sah and S.J. Daharwal  
**Research Journal of Pharmacy and Technology**, 2014, 7(6), 665-676.
15. A review of instrumental analytical methods to assay active ingredients in multicomponent pharmaceutical formulations.  
Veena D. Singh, Sanjay J. Daharwal and Preeti K Suresh.  
**Columbia Journal of Pharmaceutical Sciences**, 2014. ISSN Online: 2349-9907, ISSN Print: 2350-014X.
16. Role of free radicals in ocular disease: An overview.  
Preeti K. Suresh, Geeta Barsa, Abhishek Sah and S.J. Daharwal  
**Research Journal of Pharmacy and Technology**, 2014, 7(11), 1330-1344.

## 2013

17. Novel topical drug carriers as a tool for treatment of psoriasis: Progress and advances.  
Preeti K. Suresh, Prameet Singh and Shailendra Saraf,  
**African Journal of Pharmacy and Pharmacology** 2013, 7(5) 138-147. (ISSN: 1996-0816), DOI: 10.5897/AJPPX 12.001
18. Free radicals: Generation, defenses and implications in various diseases.  
Preeti K. Suresh and Abhishek Sah,  
**Research Journal of Pharmaceutical, Biological and Chemical Sciences** 2013, 4(2) 247-269. (ISSN 0976-8157).
19. Tamoxifen citrate loaded ethosomes for transdermal drug delivery system: Preparation and characterization.  
Khomendra Kumar Sarwa, Preeti K. Suresh, Manabendra Debnath and Mohammed Zaki Ahmad.  
**Current Drug Delivery** 2013, 10 (4), 466-476. **Impact Factor: 2.248.**
20. Diltiazem-loaded buccoadhesive patches for oral mucosal delivery: Formulation and *in vitro* characterization.  
Sanju Manhar and Preeti K. Suresh.  
**Journal of Applied Pharmaceutical Science**, 2013, 3(8), 75-79.

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DOI: 10.7324/JAPS.2013.

**2012**

21. Nicotine dependence diagnosis methods.  
Vaminee Madhukar, Preeti K. Suresh and Deepak Kumar Biswas,  
**International Journal of Herbal Drug Research**, 2012, 1(3) 34-41.  
(ISSN: 2249-8990).
22. Ciprofloxacin loaded glyceryl monooleate periodontal gels: Formulation and in vitro evaluation,  
Preeti Suresh and Mahendra K. Dewangan  
**International Journal of Comprehensive Pharmacy** 05 (11), 2012, 1-4.  
(ISSN 0976-8157)
23. Ciprofloxacin HCl loaded cubic phase gel for periodontal intrapocket administration,  
Preeti K. Suresh and Mahendra K. Dewangan  
**Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2012, 3(4), 869-877 (ISSN: 0975-8585).
24. Self-nanoemulsifying systems: An emerging technology to address the solubility issues of drugs.  
Preeti K. Suresh, Sudhanshu Sharma and Arun Rasheed.  
**The Global Journal of Pharmaceutical Research**, 2012, 1(4), 869-884.

**2011**

25. Mucoadhesive submicron emulsion: a novel approach for periodontal diseases,  
Shilpi Prasad and Preeti K. Suresh.  
**International Journal of Current Pharmaceutical Research**, 2011, 3(2), 80-90. (ISSN-0975-7066).
26. Nanosuspension: a new vehicle for the improvement of the delivery of drugs to the ocular surface. Application to Amphotericin-B.  
Swarnali Das and Preeti K. Suresh.  
**Nanomedicine: Nanotechnology, Biology and Medicine** 7(2) 2011, 242-247,  
DOI: 10.1016/j.nano.2010.07.003 (**Impact factor: 5.44**).
27. Ethosomes as carrier for the skin delivery of anti-leishmanial agent Amphotericin-B: Formulation and characterization.  
Preeti K. Suresh and Rajnikant Panik.  
**International Journal of Drug Formulation and Research** 2(6) 2011, 256-264 (ISSN 2229-5054).
28. Chitosan-based interpenetrating polymer network (IPN) hydrogels: a potential multicomponent oral drug delivery vehicle.  
Preeti K Suresh, Satish K Suryawani and Divya Dewangan.  
**International Journal of Comprehensive Pharmacy** 02 (08), 2011, 1-8.  
(ISSN 0976-8157)
29. Formulation and *in Vitro* Characterization of Self-Nanoemulsifying Drug Delivery System of Cinnarizine.  
Preeti K. Suresh and Sudhanshu Sharma.  
**International Journal of Comprehensive Pharmacy** 02 (09), 2011, 1-6.  
(ISSN 0976-8157)
30. Ion-paired Drug Delivery: An Avenue for Bioavailability Improvement.  
Preeti K Suresh and Swarnali Das Paul.



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**Sierra Leone Journal of Biomedical Research**, 2011, 3(2), 70-76, (ISSN 2219-3170 [Online], ISSN 2076-6270 [Print]).

31. pH-Responsive and Mucoadherent Microparticles for Oral Delivery of Serratiopeptidase: Development and In Vitro Characterization.  
Preeti K Suresh and Anish Chandy.  
**Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2011 2(4), 662-675 (ISSN: 0975-8585).
32. Development and in vitro characterization of metronidazole loaded chitosan microspheres for delivery to periodontal pocket.  
Preeti K. Suresh and Mahendra Kumar Dewangan.  
**Journal of Applied Pharmaceutical Science** 2011, 01 (08), 165-169.  
(ISSN: 2231-3354)
33. Nanosized emulsions as a drug carrier for ocular drug delivery: A review.  
Divya Dewangan and Preeti K. Suresh,  
**Journal of Innovative Trends in Pharmaceutical Sciences** 2(2) 2011, 59-75 (ISSN: 0975-8593).
34. Ophthalmic Delivery System for dexamthasone: An overview.  
Preeti K. Suresh and Divya Dewangan.  
**International Journal of Innovative Pharmaceutical Research**, 2011, 2(4) 161-165.
35. Timolol lipophilic ion-pair incorporated submicron emulsion: A potential ocular drug delivery system.  
Preeti K. Suresh, Puja Koner and Swarnali Das.  
**International Journal of Research in Pharmaceutical and Biomedical Sciences**, 2011, 2(4), 1686-1691. (ISSN: 2229-3701)

## 2010

36. Design of Eudragit RL 100 nanoparticles by nanoprecipitation method for ocular drug delivery.  
Swarnali Das, Preeti K. Suresh and Rohitas Deshmukh.  
**Nanomedicine: Nanotechnology, Biology and Nanomedicine** 6(2) 2010, 318-323  
(doi: 10.1016/j.nano.2009.09.002). (Impact factor: 5.44).
37. Drug Delivery to Eye: Special Reference to Nanoparticles,  
Swarnali Das and Preeti K. Suresh.  
**International Journal of Drug Delivery**, 2, 2010, 12-21. doi:10.5138/ijdd.2010.0975.0215.02007.
38. Formulation and In vitro evaluation of Amphotericin-B nanoparticle for ocular delivery.  
Swarnali Das and Preeti K. Suresh.  
**Journal of Pharmacy and Pharmacology**, 62 (10) 2010, 1271-1272. (Impact factor: 1.918)
39. Formulation, *in vitro* characterization and stability studies of self microemulsifying drug delivery systems of domperidone,  
Preeti K. Suresh and Sudhanshu Sharma.  
**International Journal of Innovative Pharmaceutical Research** 2010, 1(4), 66-73.  
(ISSN: 0976-4607).

## 2002

40. pH-sensitive liposomes: Mechanism of triggered release to drug and gene delivery prospects.  
Preeti Venugopalan, S. Jain, S. Sankar, P. Singh, A. Rawat and S.P. Vyas

**Die Pharmazie** 56 (10) 2002, 659-671. (Impact factor: 1.264)

**2001**

41. Pelleted bioadhesive polymeric nanoparticles for buccal delivery of insulin: Preparation and characterization.  
Preeti Venugopalan, A. Sapre, N. Venkatesan and S.P. Vyas  
**Die Pharmazie** 56 (2) 2001, 217-219. (Impact factor: 1.264)

**2000**

42. Preparation and characterization of microencapsulated gelspheres for controlled oral theophylline delivery,  
S.P. Vyas, A. Sood, Preeti Venugopalan and N. Venkatesan.  
**J. Microencapsulation** 17 (6), 2000, 767-775. (Impact factor: 1.631)

**1999**

43. Oral immunization: A possible strategy for mucosal and humoral immunity,  
N. Venkatesan, Preeti Venugopalan, V.Sihorkar and S.P. Vyas  
**Indian Drugs**, 36 (9), 1999, 606-614.

**1998**

44. Synthetic peptides: A modern approach to vaccination,  
A. Sood, Preeti Venugopalan, N. Mysore and S.P. Vyas  
**Indian Journal of Experimental Biology** 39, 1998, 849-861.

**1997**

45. Some approaches to improve bioavailability of peptides and proteins through oral and other mucosal routes,  
S.P. Vyas, Preeti Venugopalan, A. Sood and N. Mysore  
**Die Pharmazie** 52 (5), 1997, 339-345. (Impact factor: 1.264) (Google Scholar Citation: 16)
46. Circadian rhythms and drug delivery design,  
S.P. Vyas, A. Sood, Preeti Venugopalan and N. Mysore  
**Die Pharmazie** 52(11), 1997, 815-820. (Impact factor: 1.264) (Google Scholar Citation: 36)

**1996**

47. Liposomes in cosmetics and skin care,  
A. Sood, Preeti Venugopalan, N. Venkatesan and S.P. Vyas  
**Indian Drugs**, 33(2) 1996, 43-49.
48. Controlled ocular drug delivery and vesicular systems: An overview,  
Nayana Mysore, Anurag Sood, Preeti Venugopalan and S.P. Vyas  
**Indian Drugs**, 33(9) 1996, 431-442.
49. Self emulsifying drug delivery systems: Potential in improved drug delivery,  
Anurag Sood, Preeti Venugopalan, Nayana Mysore and S.P. Vyas  
**Indian Drugs**, 33(11) 1996, 537-542.

## Book Chapters

1. Polymerplified vesicular systems for controlled drug release: Development and characterization, **Book Chapter in: Advances in Liposomal Therapeutics** (Vyas, S.P. and Dixit, V.K., eds.) CBS Publishers, New Delhi, 2000, 222-229. (ISBN: 9788123906140).
2. Dexamethasone-laden thermosensitive *in situ* gelling nanoemulsions as a potential drug delivery system for the ocular surface. Preeti K Suresh, Divya Dewangan and Abhishek K. Sah. **Book Chapter in: Nanotechnology: Novel Perspectives and Prospects**, Eds. Bhupinder Singh, Anupama Kaushik, SK Mehta and SK Tripathi, published by McGraw Hill Education (India) Private Limited, New Delhi. 2015, P. 734-741. (ISBN 13:978-93-392-2109-6).
3. Physicochemical Characterization of Bhasmas: An approach to standardization. Abhishek K. Sah and Preeti K. Suresh **Book Chapter in Traditional and Folk Herbal Medicine: Recent Researches Volume 3**, Daya Publishing House, New Delhi, 2016, p.451-470. (ISBN: 978-93-5124-703-6).

## Popular articles

1. Healthcare needs of women at medical/social interface, Central Chronicle, Supplement Wellness, March 17, 2013.
2. Osteoporosis – The Silent Thief, CWS Update, Newsletter published by Centre for Women's Studies, Pt. Ravishankar Shukla University, Raipur, 1(1), 2014.
3. Towards building a better world for people with psoriasis, Central Chronicle, Supplement Wellness, October 26, 2014.
4. Responsible use of antibiotics saves lives, Central Chronicle, Supplement Wellness, November 29, 2015.

**PAPERS ACCEPTED FOR PRESENTATION/PRESENTED IN SEMINARS/  
CONFERENCES/SYMPOSIA/CONVENTIONS**

1. Timolol maleate discomes for controlled ocular delivery, Indian Pharmaceutical Congress, Chennai 1996.
2. Sphere capsular grafts for controlled drug delivery: Development and characterization Indian Pharmaceutical Congress, Chennai 1996.
3. Oral delivery of insulin via fatty acylated colloidal carrier, Indian Pharmaceutical Congress, Chennai 1996.
4. Microballoons- A controlled floating drug delivery system, Indian Pharmaceutical Congress, Thiruvananthapuram, 1997.
5. Oral delivery of insulin using Poly(ethylene glycol)-coated liposomes, Fourth National Conference of the Indian Society of Chemists and Biologists, CDRI, Lucknow, 2000.
6. Development and characterization of fatty acylated nanoparticles for oral delivery of insulin, National symposium on Science and Humanity at Dr. H.S. Gour Vishwavidyalaya, Sagar, 2001.
7. Development and characterization of delivery systems for oral administration of Insulin, Chhattisgarh Young Scientist Congress, Guru Ghasidas University, Bilaspur, 2004.
8. Recent Advances in Herbs for AIDS treatment, National Seminar on Recent Trends in Herbal Therapy, Guru Ghasidas University, Bilaspur, 2006.
9. Optimization of serratiopeptidase multipoint immobilization on chitosan microspheres, National Seminar on Emerging Trends in Pharmaceutical Research, Guru Ghasidas University, Bilaspur, 2006.
10. pH-responsive microspheres for oral delivery of peptides, Indian Pharmacy Graduates Association, 23<sup>rd</sup> National Conference, Chennai, 2006.
11. Development of pH-responsive microspheres for oral delivery of serratiopeptidase, Indian Pharmaceutical Congress, Mumbai, 2006.
12. Development and characterization of mucoadhesive submicron emulsion for oral delivery of vancomycin, Indian Pharmaceutical Congress, Mumbai, 2006.
13. Design and characterization of a submicronized o/w emulsion for ocular administration of timolol, 59<sup>th</sup> Indian Pharmaceutical Congress at Varanasi, U.P, 20-23 December 2007.
14. Topical Nanoparticulate Formulation of Amphotericin-B: A Novel Treatment for Fungal Keratitis, National Seminar organized by S.L.T. Institute of Pharmaceutical sciences, Guru Ghasidas University, Bilaspur, C.G, January 18-19, 2008.
15. Development of a nanoprecipitation method for encapsulation of Amphotericin-B into Eudragit RS100 nanoparticles, APTI 13th Annual National Convention, organized by Guru Ghasidas University, Bilaspur, C.G, on October 3-4, 2008.

16. Nanoparticle and its potential to deliver drug in ocular fungal infection. Nanotech India 2009, Kochi Aug 14-16, 2009.
17. Invasin coupled poly(vinyl alcohol) nanohydrogels for oral delivery of insulin. Nanotech India 2009, Kochi Aug 14-16, 2009.
18. Potential of nanoparticles to deliver the drug in ocular infection: An in vivo study, AAPS 2009
19. Deformable vesicles as topical drug delivery carriers, AICTE sponsored seminar on Pharmaceutical Nanotechnology organised by Sudhakar Rao Naik Institute of Pharmacy, Pusa September 25-26, 2009. Abstract No. PH-020.
20. Nanoparticles as a tool for periodontal drug delivery, AICTE sponsored seminar on Pharmaceutical Nanotechnology organised by Sudhakar Rao Naik Institute of Pharmacy, Pusa September 25-26, 2009. Abstract No. NT-044.
21. Self nanoemulsions as a carrier for poorly water soluble drug, AICTE sponsored seminar on Pharmaceutical Nanotechnology organised by Sudhakar Rao Naik Institute of Pharmacy, Pusa September 25-26, 2009. Abstract No. NT-047.
22. Presented paper entitled "Invasin-coupled poly(vinyl alcohol) nanohydrogels for oral delivery of insulin" Nanotech India 2009, Kochi, August 14-16, 2009.
23. Initiatives to improve women representation in Science & Technology, UGC and CGCOST sponsored National Conference on Role of Women in National Development in the New Millennium organized by Centre for Women's Studies, Pt. Ravishankar Shukla University, Raipur, January 10-12, 2013.
24. New drug delivery strategies to improve adherence to the treatment regimen by elderly patients, National Seminar on Health Psychology: Indian Perspective. School of Studies in Psychology, Pt. Ravishankar Shukla University, Raipur, February 1-3, 2014.
25. Gender mainstreaming to attain health equity, National Symposium on Women as Leaders: Roles, issues and concerns. Centre for Women Studies, Pt. Ravishankar Shukla University, Raipur February 5-7, 2014.
26. Dexamethasone loaded nanoemulsions as a potential ocular drug delivery system" in the International Conference on Nanotechnology in the service of health, environment and society, Panjab University, Chandigarh, February 13-15, 2014.
27. "Nanostructured lipid carrier enriched cream for topical delivery of betamethasone valerate" at the 3rd International Congress of the Society for Ethnopharmacology, Raipur, on "Ethnopharmacology & Evaluation of Medicinal Plants – Global Perspectives" February 19-21, 2016.

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## INVITED LECTURES

1. Participated as a resource person in the UGC sponsored national seminar on Advances in Pharmaceutical Research organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, January 28-30, 2011.
2. Participated as resource person in the AICTE sponsored Staff Development Programme at Columbia Institute of Pharmacy, Raipur, June 20-30, 2011.
3. Resource person in the Refresher Course in Pharmacy, Academic Staff College, Pt. Ravishankar Shukla University, Raipur, February 25, 2012.
4. Delivered lecture on “Novel Drug Delivery Systems”, Govt. Girls Polytechnic, Raipur, March 27, 2012.
5. Participated as a resource person in the workshop “Essential Medicine List and Rational Use of Medicine” organized by State Health Resource Centre, Raipur in association with World Health Organization and Indian Medical Association, Chhattisgarh Chapter, April 22, 2012.
6. Participated as resource person in the AICTE sponsored Staff Development Programme at Columbia Institute of Pharmacy, Raipur, “Development, valuation and standardization of classic Indian formulations” May 6-17, 2012.
7. Participated as a Resource person in Staff Development Programme on “Globalizing Indian Herbal Formulations: Bottlenecks and Solutions”, 8-23 Feb 2013 Columbia Institute of Pharmacy, Tekari, Raipur.
8. UGC sponsored national workshop on Chromatographic and Spectroscopic Analysis for phytoconstituents, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, 14th –16th March, 2013.
9. Participated as a resource person in AICTE sponsored National Seminar on “Emerging Trends and Inovations in Drug Delivery and Pharmaceutical Sciences”, Columbia Institute of Pharmacy, Tekari, Raipur and delivered a talk on “Emerging platforms for drug delivery to the Eye”, 20<sup>th</sup> October 2013.
10. Resource person in the Refresher Course in Pharmacy, Academic Staff College and University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, February 24, 2014.
11. Invited lecture on “Access to Pharmacist is access to health”, Govt. Girls Polytechnic, Raipur, September 25, 2014.

## RESOURCE PERSONS

1. UGC-SAP sponsored national seminar on Advances and Avenues in the development of cargoes for bioactives, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur. Jan. 31 – Feb. 2, 2013.
2. DBT sponsored National Seminar on “Advances in Molecular Pharmaceutics, Nanomedicine, Nanobiotechnology and Drug Research”, March 17, 2013 Columbia Institute of Pharmacy, Tekari, Raipur.
3. Chaired a session in the national conference on Nanodermatology: Advances, Pitfalls and Future Challenges, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur April 28-30, 2014.
4. Resource person in INSA sponsored National Conference on “Nanoscience and Nanotechnology”, Faculty of Pharmaceutical Sciences of Shri Shankaracharya Group of Institutions, Shri Shankaracharya Technical Campus, Bhilai, November 08, 2014.
5. Chaired a session in the UGC Sponsored National Seminar “Prospectus of Pharmacy Education”, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Nov. 19 -21, 2015.
6. Chaired a session at the 3rd International Congress of the Society for Ethnopharmacology, Raipur, on “Ethnopharmacology & Evaluation of Medicinal Plants – Global Perspectives” February 19-21, 2016.
7. Panellist in the APTI Central Zone National Seminar in association with APTI Women Forum on the theme “Treat to target approached for dermal disorders: Newer perspectives and challenges”, Pt. Ravishankar Shukla University, Raipur, Mar 24-26, 2017.
8. Chaired the scientific session at the ICMR sponsored National Seminar on “Prospects and Avenues for in vivo studies on animal models and human volunteers for treatment of oral cancer”, Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg, April 5-6, 2017.
9. Chaired a scientific session at the 2<sup>nd</sup> international Conference on “Frontiers in Pharmaceutical Science & Research”, Columbia Institute of Pharmacy, Raipur, September 23-24, 2017.



### **COURSES ATTENDED**

1. Attended UGC sponsored Refresher Course in Pharmaceutical Sciences organised by Department of Pharmacy, Annamalai University, Annamalai. June 10-30, 2003.
2. Attended AICTE sponsored Faculty Development Program on Recent Advances in Designing of Novel Formulation for Plant Actives & Extracts, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, December 3-17, 2013.
3. Attended UGC sponsored short-term course on Research Methodology. Academic Staff College, Pt. Ravishankar Shukla University, Raipur. November 13-19, 2014.

### **WORKSHOPS ATTENDED**

1. 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, September 10, 2011.
2. Chromatographic Techniques organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur in collaboration with Toshvin Analytical Pvt. Ltd., Mumbai, December 13, 2011.
3. Pre-conference workshop on “Development and Characterization of nanostructured systems” during the International Conference on Nanotechnology in the service of health, environment and society, Panjab University, Chandigarh, February 12, 2014.
4. Workshop on Intellectual Property and Innovation Management organised by Intellectual Property Right Cell, Pt. Ravishankar Shukla University, Raipur, January 22, 2016.
5. Pre-conference workshop on “Ethnopharmacology – Tools and Practices” during the 3rd International Congress of the Society for Ethnopharmacology, Raipur, on “Ethnopharmacology & Evaluation of Medicinal Plants – Global Perspectives” February 18, 2016.