BIO-DATA

**Dr. Alpana Ram**

**Professor (Pharmaceutics)**

**Department of Pharmacy**

**Guru Ghasidas Vishwavidyalaya( a central University)**

**Bilaspur (CG)**

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**Academic Qualification (Undergraduate Onwards)**

B.Pharm. from Dr Harisingh Gour University, Sagar(MP)-1987

M.Pharm. . from Dr Harisingh Gour University, Sagar(MP)-1989

Ph.D. from University of Rajasthan, Jaipur(Rajasthan)- 1995

Diploma in Marketing Management, IGNOU, New Delhi-1996

**Ph.D thesis title**: **Some studies on Cholesterol lowering plant materials: Their Formulation and Characterization,** Guide-Prof. P. Lauria, SMS Medical College, University of Rajasthan, Jaipur(Rajasthan) , 1995.

**Work experience (in chronological order).**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Position held** | **Name of the Institute** | **From** | **To** | **Pay Scale** |
| 1. | Lecturer | LBS College of Pharmacy, Jaipur , Rajasthan. | 28.08.89 | 22.03.97 | 2200-75-2800-100-4000 |
| 2 | Sr. Lecturer | LBS College of Pharmacy, Jaipur , Rajasthan | 23.03.97 | 21.12.97 | 3000-100-3500-125-5000 |
| 3 | Sr. Lecturer | Guru Ghasidas University, Bilaspur | 22.12.97 | 21.12.2002 | 10000-325-15200 |
| 4 | Reader | Guru Ghasidas University, Bilaspur | 22.12.2002 | 21.12.2005 | 37400 – 67000 |
| 5 | Assoc. Prof. | Guru Ghasidas University, Bilaspur | 22.12.2005 | 7.12.2022 | 1,31,,400 - 1,44,200 |
| 6 | Professor | Guru Ghasidas University, Bilaspur | 8.12.2022 | Till date | 1,44,200 – 2,18,000 |

**Award** **Received**

* Distinguished Woman of the Year 2019 awarded by Venus International , Foundation Chennai.
* Obtained best paper presentation award in National seminar.

**Patents :** 1.Germanpatent granted (Patent No. **A61K9/10**) on a solid dispersion of an anti-fungal drug

in gel formulation for improving bioavailability.

2. Indian Patent on Apparatus For Measuring Antiinflammatory Analgesic And Antioxidant Activity Of Natural Products granted on 18.04.2024.

3. Indian Patent on Spirometer For Lung Cancer Patients granted on 02.04.2024

**Membership of professional bodies:**

1.Registered Pharmacist(Chhattisgarh Pharmacy council )

2.Member of The Indian Pharmacological Society(IPS).

3.Life Member of The Association of Pharmacy teachers of India (APTI)

**Research Projects Completed :**

Cultivation and Evaluation of petrocrops Jatropha and

Karanj on Degraded Lands of Chhattisgarh, by Department of Land

Resources,Ministry of Rural Development,Govt.of India worth Rs 30

Lakhs as Co –PI.

**Research Supervision : 07 Ph.Ds awarded , 03 registered and 30 M.Pharm. Dissertations awarded**

**Research Papers/Review Articles Published :**

1. **Alpana Ram** Drug Delivery Systems: New Trends. Pharma Today 1990,10-12.
2. **Alpana Ram,** P Lauria and V N Sharma,, Lipoprotein Receptor Concept and Implications for Reduction of Cardiovascular Risk. Doctors News 6(5)1993; 7-11**.**
3. **Alpana Ram**,P.Lauria, Pradeep Kumar and V N Sharma The Lipid Lowering Drugs:Updated. Indian Journal of Hospital Pharmacy.sept-oct 1993; 167-170.

**4. Alpana Ram,** Effect of Plumbago zeylanica in Hyperlipidaemic rabbits and its modification by vitamin E.Indian J Pharmacology 1996;161-166. **IF 1.2**

**5. Alpana Ram**, P.Lauria, R. Gupta, V.N.Sharma. Hypolipideamic effect of *Myristica fragrans* fruit extract in rabbits.Journal of Ethnopharmacology, 1996; 55, 49-53 . **IF 4.36**

**6.Alpana Ram**, P.Lauria, R. Gupta, Pradeep Kumar, V.N.Sharma. Hypocholesterolaemic effects of *Terminalia arjuna* tree bark**.** Journal of Ethnopharmacology, 1997; 55: 165-169. **IF 4.36**

**7.**V.N. Sharma, **Alpana Ram**. The good, the bad, the ugly and the deadly cholesterol. South Asian Journal. Preventive Cardiology, 1998; 2; 52-58.

**8.**Ahirwar Bharti**,** Ahirwar D and **Ram Alpana**, Comparative quality parameter of Asava, International Journal of Green Pharmacy, 2007, 1(3-4):42-43.**IF 0.128**

**9**.Surendra H. Bodakhe and **Alpana Ram,** Hepatoprotective properties of Bauhinia variegate bark extract, Yakugaku Zasshi 2007, 127(9), 1503-1507 **IF 0.368**

**10.** Jitendra Kawadkar and **Alpana Ram**. Colon targeted chitosan microsphere compressed matrices for treatment of ulcerative colitis. Pharma info.net.2007;1-13.

**11.**Lanjhiyana S,Singhai A K,Dangi J S, Lanjhiyana S.and **Ram Alpana**. Oral antihyperglycaemic potential of Root Bark Extract of E.glaucum pers . in Normal and Streptozotocin Induced Diabetic Rats. Journal of Pharmaceutical Research,2007,vol 6, no 4,197-200.

**12.**Shruti Rathore and **Alpana Ram.** Colon Targeted Pulsatile Drug Delivery. Pharma info.net.April,2007

**13.**Bharti Ahirwar**,** Ahirwar D, V K Dixit and **Alpana Ram**, Antihistaminc activity of Kanakasava: A polyherbal formulation, Adv. Pharmacol. Toxicol., 2008, 9(3); 141-145. **IF 0.93**

**14.** Bharti Ahirwar**,** Ahirwar D and **Alpana Ram**,Antihistaminic effect of sitopaladi churna extract, Research J. Pharm. and Tech**.**1(2)2008,89-92. **IF 1.203**

**15.** **Alpana Ram** , Fast release products of Tolbutamide; Formulation and Evaluation , CSVTU Research Journal 1(2).2008;89-94

**16.** Bharti Ahirwar, **Alpana Ram** Antihistaminic activity of AVB-01 a polyherbal formulation, Pharmacog Magazine 2008, S 46-50. **IF 1.085**

**17.** Bharti Ahirwar, **Alpana Ram** and Dheeraj Ahirwar**,** Passive cutaneous anaphylactic activity of vasavaleha, CSVTU Research Journal 2(2) 2009, 78-80.

**18.** Rathor Shruti and **Ram Alpana** Formulation and Characterisation of Biocompatible Microspheres of Benzophenone-3 , Research Journal of Pharmaceutical Dosage Forms and Technology 1(3).2009;222-225.

**19.** kaushik M, Chitmay HR, Bodakhe SH, Bodakhe KS, **Ram A,** Tripathi A. A Study on antiarthritic Potential of Ficus Glomerata Roxb. Latex in Rats .InternationalJ of, Pharmacol, Biol. Sci. Vol.3(3), 2009, 33-40. **IF 0.888**

**20.** kaushik M, Chitmay HR, Bodakhe SH, Bodakhe KS, **Ram A** & Tripathi A. Screening of Anti-inflammatory potential of *Ficus Glomerata Roxb* Latex in Rats. Advances in Pharmacology and Toxicology 2, 2009,81-84. **IF 0.93**

**21.** Bodakhe SH,  **Ram A** and Bodakhe KS, Anti-inflammatory activity of Morina longifolia extract **,** Adv. Pharmacol. Toxicol. 10(2), 2009, 71-79. **IF 0.93**

**22.** Ahirwar B**, Alpana Ram** andAhirwar D**,** Air Pollution a major culprit of asthma, Res. J. of Science and Technology ,Vol. 1,2009, 1-8.

**23.** Bodakhe S H , **Alpana Ram**. Isolated Cock Illeum:A Tool for Pharmacology Experiments . Indian Journal of Pharmaceutical Education and Research43(2).2009;199-202. **IF 0.686**

**24.** Peeyush Kumar , **Alpana Ram**, Rajeev Kumar and Mithilesh Kumar. Nanotechnology: An Innovative Approach for HIV/AIDS Treatment. J Pharmacy Research, 2010,3(10),2345-2349

**25.** Bodakhe SH, **Ram A** and Pandey Devi P. A new aromatic glycoside from Morina longifolia wall, Asian J of chem. vol.22, No. 4, 2010, 2789-93**. IF 0.54**

**26.** P.verma, **A.Ram**, A.K.Jha, A.Mishra, A. Thakur. Phosphatidyl Choline: A Revolution in Drug Delivery Technology. International Journal of Pharm.Sciences and Research vol. 1, issue 2, 2010, 1-12.**IF 3.226**

**27.** Kawadkar J, Chauhan MK, **Ram A**, Evaluation of Potential of Zn-Pectinate gel (ZPG) containing Mesalazine for Colonic Drug Delivery. DARU 2010 Vol.18, No. 3 ,211-220**. IF 2.69**

**28.**Peeyush Kumar , **Alpana Ram**, Nanotechnology: An Innovative Approach for HIV/AIDS Journal of Pharmacy Research**,** 3(10) 2010

**29.** Shruti Rathor and **Alpana Ram.** Investigation of Depressant activity of an ayurvedic churna in mice:A Preliminary Study. International Journal of Pharmaceutical Sciences and Nanotechnology 2010;790-794

**30.**Vinod Verma and **Alpana Ram**, Preparation, Characterisation and In-vitro Release of Piroxicam-loaded Solid Lipid Nanoparticals **,** International J of Pharmaceutical Sciences and Nanotechnology,2010,Vol.3 (3),1136-1140

**31.**Peeyush Kumar , Pramod Kumar, **Alpana Ram** , Mithelesh Kumar and Rajeev Kumar,Coenzyme Q10: A Progress Towards the Treatment of Neurodegenerative Disease. Oriental Pharmacy and Experimental Medicine,2010,10(4),239-253.**IF 0.211**

**32.** Surendra H Bodakhe, **Alpana Ram**, Kiran S Bodakhe and Devi Prasad PandeyNew polyphenolic aromatic glycoside from Bauhinia variegate L stem bark. Asian journal of Chemistry 2010;3549-3553. **IF 0.54**

**33.** **Alpana Ram**, Peeyush Kumar, Rajeev Kumar, Mukesh Kumar. Nanotechnology: An Emerging Technology for Treatment of Neurodegenerative Disease**.** Inventi Rapid, 2010, vol.1,issue 3.

**34.**Shruti Rathor and Ram Alpana,Porous Microspheres of 5 Flourouracil for Site Specific Drug Delivery in Gastric Cancer**.** International J of Current Pharmaceutical Research,2011,vol. 3,issue 1,38-42.

**35.** Abhishek kumar Sah, Ashish Rambhade,**Alpana Ram** and Sunil Jain **.** Resealed Erythrocytes: A Novel Carrier for Drug Targetting. Journal of Chemical and Pharmaceutical Research 2011,vol.3,no.2;550-565.

**36.** Nitin Kumar Jain**,Alpana Ram** Development and Characterisation of nanostructured lipid carriers of oral Hypoglycemic agent: Selection of surfactants. International Journal of Pharmaceutica Sciences Review and Research 2011;vol 7, issue 2; 125-130

**37.** P.Verma and **A Ram.** Effect of different penetration enhancers on skin permeation of drug using ethosomal carrier systems. Jour. of Current Pharmaceutical Research Vol 5 no 1,2011; 42-44. **IF 0.65**

**38.** **Ram Alpana**, Kumar Peeyush,Kumar Mukesh. Marine Pharmacotherapy for Cancer and Viral diseases. International Journal of Pharmaceutical Frontier Research 2011;1(1):85-97.

**39.** **Alpana Ram,**Shailendra Wasnik, Poonam Parmar, Ashok K Sahu,,Narendra Patrey and Rajendra singh Rathore. Exchangeable ion and its Pharmaceutical Importance. International Journal of Pharmaceutical Research 2011;vol 3 issue 3; 1-9

**40.** S. Wasnik, P.Parmar,D.Singh**,Alpana Ram.** Preparation and Characterisation of Floating Drug Delivery System of Azithromycin. Acta Poloniae Pharmaceutica- Drug Research,Vol.69, no.3 ,515-522,2012 . **IF 0.35**

**41.Alpana Ram,** Abhinav Thakur,Vineet Mittal,Proniosomal Provesicular System for Transdermal Delivery of Hydralazine for Hypertension .Asian Jour of Pharmaceutical and Clinical Research, Vol. 5, issue 3,1-5,2012. **IF 0.32**

**42.** Rathore Shruti and **Ram Alpana** Formulation & Characterisation of an intragastric floating drug delivery system of Doxorubicin Hydrochloride : in vitro- in vivo release study. Asian journal of Pharmaceutical & Clinical Research vol 5. Suppl 1, 2012,150-158.

**43.**Mohd Irfan,S.Verma, **Alpana Ram,** Preparation and Characterisation of Ibuprofen loaded Transfersomes as a Novel Carrier for Transdermal Drug Delivery,Asian Jour of Pharmaceutical and Clinical Research, Vol. 5, issue 3,162-165,2012. **IF 0.32**

**44.** Surendra H Bodakhe, **Alpana Ram**, Suruchi Verma and Devi Prasad Pandey Anticataract activity of rhamnocitrin isolated from Bauhinia Variegata stem bark. Oriental Pharmacy and Experimental Medicine vol.12,2012,227-232. **IF 0.211**

**45.** Dheeraj Ahirwar**,**Bharti Ahirwar and **Alpana Ram** Nanotechnology for Herbal Extract: A Novel Approach. APTI Bulletin-Continuing Education Vol. 14,Issue 79,Nov-Dec,2012

**46.** Krishna Gopal Das and **Alpana Ram**. Niosome as a Novel Drug Delivery System: A Review.Int. journal of Applied Pharmaceutics**,** Vol. 5 issue 1,2013;1-7**. IF 0.82**

**47.** Shruti Rathore and **Alpana Ram** Floating Drug Delivery System as an approach to increase gastric retention of Methotrexate : Formulation and evaluation, Asian journal of Pharmaceutical & Clinical Research . Vol6 issue 1,2013; 42-47.

**48.Alpana Ram**, Development and evaluation of solid dispersions of Tolbutamide, Asian journal of Pharmaceutical & Clinical Research,Vol.6,Suppl1,2013;220-224.

**49**. Peeyush Vasistha and **Alpana Ram,**Non ionic provesicular drug carrier: an overview. , Asian journal of Pharmaceutical & Clinical Research,Vol.6,Suppl1,2013 38-42

**50.** Peeyush Vasistha and **Alpana Ram,** Proniosomes,as a drug carrier for transdermal delivery of Hydrochlorothiazide and Lisinopril combination, Int. Journal of Pharmacy and Pharmaceutical Sciences, Vol 5 Issue 4,2013,142-149.

**51**.Vinod Verma and **Alpana Ram**. Development of Piroxicam loaded SLN based hydrogel for transdermal delivery**,** International Journal of Pharmaceutical Sciences Nanotechnology, Vol.7 issue 1,2014,2338-2345

**52.** Rakesh Raj,Pooja Mongia, **Alpana Ram** and NK Jain.Enhanced delivery of aceclofenec via hydrogel based solid lipid nanoparticles.Artificial Cells, Nanomedicine and Biotechnology,2015,44;6, 1434-1439. **IF 5.678**

**53**.Rakesh Raj, Pooja Mongia, **Alpana Ram**, Lipid based noninvasive vesicular formulation of cytarabine: Nondeformable Liposomes. European Journal of Pharmaceutical Sciences 88,2016,83-90. **IF 4.384**

**54.** Rakesh Raj, Pooja Mongia, **Alpana Ram**, Preparation and Characterisation of Solid Lipid Nanoparticles loaded with Cytarabin via a micellar composition for Leukemia: RSC Advances (Royal Society of Chemistry) vol 6, 2016,53578-53586. ISSN: 2046-2069.

**IF 3.361**

**55 .** Rakesh Raj, Pooja Mongia,Nitish Kumar and **Alpana Ram**, Comparative study of Eudragit RS100 and RL100 Nanoparticles as Ophthalmic vehicle for Fungal Infection, Pharmaceutical Nanotechnology (Bentham Science Pub.) vol. 4 , no.4,2016,316-328. **IF 2.69**

**56.** Rakesh Raj,Pooja Mongia,Suresh Sahu, **Alpana Ram**. Nanocarriers based Anticancer drugs: Current Scenario and Future Perceptions, Current Drug Targets (Bentham Science Pub.),Vol. 17, 2016, 206-228. **IF 3.03Alpana Ram** Drug Delivery Systems: New Trends. Pharma Today 1990,10-12.

**57.** Shruti Rathore and **Alpana Ram**, Advancement in Transdermal drug delivery system: Microneedles. Asian Journal of Pharmaceutical Research and Development Vol. 5 (5) Sept - Oct. 2017:1-07.

**58.** Rakesh Raj, Pooja Mongia Raj and **Alpana Ram**,Biodistribution and targeting potential assessment of mucoadhesive chitosan nanoparticles designed for ulcerative

colitis via scintigraphy . RSC Advances,2018:Vol.8, 20809- 20821. **IF 3.361**

**59.**Suresh Sahu and **Alpana Ram**. Evaluation of Linezolid Loaded Ethosomes for Treatment of Deep Skin Infections in Diabetic Model. Research Journal of Pharmacy and Technology 11(7): July 2018, 3023-3030.**IF 0.87**

**60.**Rathor Shruti**, Ram Alpana,** Pardeshi Shraddha.Antidistinct Nanoparticles for

drug delivery. Advance Research in Pharmaceuticals and Biologicals 2018; Vol 8 (IV), 1073-1081.

**61.** Rakesh Raj. Pooja Mongia and **Alpana Ram**, Nanosized ethanol based malleable liposomes of cytarabine to accentuate transdermal delivery:formulation optimization, in vitro skin permeationand in vivo bioavailability , Artificial Cells, Nanomedicine, and BiotechnologyAn International Journal 2018. **IF 5.678**

**62.** Suresh Kumar Sahu, Rakesh Raj\*, Pooja Mongia Raj and **Ram Alpana** Topical Lipid Based Drug delivery Systems for Skin Diseases:A Review. Current Drug Therapy . 2020*,* 15, 4, 283-298 **IF 0.57**

**63.** Rashmi Madhariya, **Alpana Ram** and Shruti Rathore.Stimulai responsive controlled

release systems. World journal of Pharmacy and Pharmaceutical Sciences 2021:vol.10,issue 7, 333-348. **IF 6.647**

**64.** Shruti Rathore, **Alpana Ram,** Deepesh Lall, Bhagyashree Agarwal,Pranay Soni, Mohd Javed Naim. Development and Evaluation of Sunscreen Cream containing Benzophenone-3

Microspheres for enhancing Sunscreen Activity Research journal of Pharmacy and Technology 2021:vol 14issue 11, 6078-6084. **IF 0.87**

**65.** Rashmi Madhariya, Bhupendra Dixena, **Alpana Ram**, Amber Vyas and Akhlesh Kumar Jain, Experimental Animal Models: Tools to Investigate Antidiabetic Activity. Current Pharmaceutical Design xxxx, xvol.xx,No.xx,1-16. **IF 3.31**

**66.** Rashmi Madhariya, **Alpana Ram**,Formulation development and in vitro evaluation of provesicular gel of ketoprofen for management of Arthritis. Research journal of Pharmacy and Technology 2023:vol 164issue 8, 3859-3868. **IF 0.87**

**67.** Rashmi Madhariya, **Alpana Ram,** Provesicular Approach totransdermal delivery in arthritis. Chhattisgarh journal of Science and Technology, Vol. 16, issue 2, 2019,5-12

**68.** Rashmi Madhariya, **Alpana Ram,** A Novel Technology in Chronotherapy, . Chhattisgarh journal of Science and Technology, Vol. 15, issue 4, 2018,52-62

**69.** Arti Shriastava,, Ashlesha P Kawale,Deep Ganguly,Neeru Sharma, **Alpana Ram.** Synthesis of Calcium and Barium crosslinked sodium alginate beads for Sustained release of Paracetamol. Chhattisgarh Jour of Science and Technology, vol 19,issue,3 2022, pp 141-147.

**70**. Vikas Kumar, Rashmi Madhariya, **Alpana Ram**, Sanjay Kumar Gupta. Evaluation of antiarthritic potential of ethanolic extract of Coleus Forskohlli root in carageenan induced Arthritis in rats. International Journal of Research and Analytical Reviews 2024: vol.11 issue 3, 317-326

**71**. Rashmi Madhariya, Alpana Ram, Akhlesh K. Jain1Sodium Alginate Beads Containing Epalrestat for Effective Management of Diabetic Mellitus . Journal of Pharmaceutical Innovation.2025 ,20:20, pp 1-13. <https://doi.org/10.1007/s12247-024-09905-y>..

**72**. Prince Nikhil Rathore, Anirban Pal, Sakshi Pandey, Sayani Maji, **Alpana Ram**. A review on exploring the emerging role of novel transdermal gel delivery systems for skin diseases. Next Research 2025,2:100373; 1-29 <https://doi.org/10.1016/j.nexres..2025.100373>

**73**. Prince Nikhil Rathore, **Alpana Ram.** Formulation and Characterization of Multiparticulate System for Proton Pump Inhibitor using Combination Therapy for Peptic Ulcer . Recent Advances in Drug Delivery & Formulation 2025, XXXX, *XX*, XX-XX ,pp 1-29. *DOI:10.2174/0126673878360081250628164032*

**Books and Book Chapters**

**Books**

**1.** P. Verma,**A. Ram**, A.K.Jha . Topical Ethosomal Carriers of Ascorbic Acid: A novel skin care formulation . Lap Lambert Academic Publishing, Germany. ISBN: 978-3-659-29574-4, 2012

2.S.Sahu, **A.Ram.** Controlled release microspheres of Antimalarial drug, Lap Lambert Academic Publishing, Germany. ISBN: 978-3-659-29574-4, 2013

3. Suresh Sahu and **Alpana Ram**.Novel lipid vesicular carriers in diabetic bacterial skin infections, Poddar Publications,Varanasi ISBN: 978-93-84817-10-7,2019.

4. **Alpana Ram** and Krishna Gopal Das.Microporous bilayer Osmotic tablets for Hypertension, Veer Bahadur Publication, Lucknow ISBN: 975-93-84417-59-6, 202 .

5**. Alpana Ram** and Rashmi Madhariya. A Textbook of Pharmacy Practice for B.Pharm. VII semester New Delhi Publishers, New Delhi. ISBN: 978-81-11900-683-0

6. Rashmi Madhariya, Alpana ram. K.Kesavan . A Textbook of Industrial Pharmacy for B.Pharm. VII semester under publication with Renu Publishers, New Delhi.ISBN 978-93-92597-68-8

**Book Chapters**

1.**Alpana Ram**, Heavy Metals and Heavy Metal Antagonists. Essentials of Pharmacology: Basic Principles and General Concepts 3rd ed. 2007 CBS Pub. & Dist., New Delhi, pp 558-566. ISBN:81-239-1449-0.

2.**Alpana Ram**, Non Metallic Environmental Toxicants. Essentials of Pharmacology: Basic Principles and General Concepts 3rd ed. 2007 CBS Pub. & Dist., New Delhi, pp 567-574. ISBN:81-239-1449-0

3. **Alpana Ram**. Enzymes. Ocular Pharmacology and Therapeutics Vol.X, 1st ed. 2002 Eds. LP Agarwal & VN Sharma,Sankalp Pub. New Delhi.pp 51-58. ISBN:81-88173-02-9

4. **Alpana Ram**.Chelating Agents**.** Ocular Pharmacology and Therapeutics Vol.X, 1st ed. 2002 Eds. L P Agarwal & VN Sharma,Sankalp Pub. New Delhi.pp . **275-280** ISBN :81-88173-02-9.

5. **Alpana Ram**. Osmotic Agents**.** Ocular Pharmacology and Therapeutics Vol.X, 1st ed. 2002 Eds. L P Agarwal & VN Sharma,Sankalp Pub. New Delhi.pp . **281-294.** ISBN :81-88173-02-9.

6. Rakesh Gupta,**Alpana Ram,** and Shobhna Singh. Ophthalmic Formulations**.** Ocular Pharmacology and Therapeutics Vol.X, 1st ed. 2002 Eds. L P Agarwal & VN Sharma,Sankalp Pub. New Delhi.pp .561-608**.** ISBN :81-88173-02-9.

7. Shibangi Mukhopadhyaya, Nidhi Agarwal, Meenakshi Jaiswal , S K Lanjhiyana , **Alpana Ram,** Rashmi Dewangan, Rajkumar Siriniya.Commercial uses of different lipid based nanovesicles in current Scenario, Chapter 9, *Pharmaceutical Research: Recent Advances and Trends Vol. 5.* Published by BP International. 2025,114-126

8. Vaishali Bharat,S K Lanjhiyana, Sanja kumar Bharti, **Alpana Ram,**Nidhi Agarwal, Rashmi Dewangan,Meenakshi Jaiswal. Unlocking New Possibilities: A Review of Applications and Benefits of Nanofibers, Pharmaceutical Science: New Insights and Developments Vol. 1, Published byBP International Chapter 5, 81-93.

**Papers presented in Conferences, Seminar, Workshops, Symposia**

**1** Fast Release Products of Tolbutamide: Formulation and Evaluation. National Seminar on Emerging Trends in Pharma Research. 17-18 Nov. 2006 Organized by SLT Inst. Of Pharm. Sci. GGV, Bilaspur.

**2.** Preparation and Characterisation of Hydrogel Micropartical Based on low Methoxyl Amidated Pectins for Colon Specific Drug Delivery of 5-amino Salicylic Acid. National Seminar on Advances in Drug Discovery and Development. Jan. 18-19, 2008. Organized by SLT Inst. Of Pharm. Sci. GGV, Bilaspur.

**3.** Microspheres as delivery systems for controlling drug delivery. APTI-13th Annual NationalConvention-2008. October 3-4, 2008. Organized by SLT Inst. Of Pharm. Sci. GGV, Bilaspur.

**4.** Study of Antidiabetic activity of Triticum durum. UGC Sponsored National Seminar on Standardisation of herbal of herbal Formulations: A Holistic Approach. Feb. 25-26, 2012. Organized by SLT Inst. Of Pharm. Sci. GGV, Bilaspur.

5. Betulinic Acid from Bauhinia variegate : A new potential drug. National Seminar on Recent Trends in Chemical Research : Challenges Ahead. March 30-31, 2012. Depts. Of Chemistry and Applied Chemistry,GGV, Bilaspur.

6. Formulation and Characterisation of Antimalarial drug loaded microspheres for prophylactic use. National Conference on Microbial diversity: Exploration, Conservation & Application. Feb.16-17,2013. Dept. of Botany, Govt. ERPG Science College, Bilaspur.

7. Study of Antidiabetic activity of Triticum durum. National Seminar on New Trends in herbal Formulations. March 5th, 2013. Siddhi Vinayak Inst. of Tech. & Sciences, Bilaspur.

8. Repaglinide loaded nanostructured lipid carriers for treatment of Diabetes Mellitus II. Dept of Biotech. sponsored National Seminar on Advances in molecular Pharmaceutics,Nanomedicine,Nanobiotechnology& Drug Research. March 17th, 2013. Columbia Inst of Technology, Raipur, CG.

9. Proniosomes as drug carriers for drug delivery of Lisinopril. Vimarsh National Conference. September 12-13, 2013. Organized by Chouksey Engineering College, Bilaspur.

10. Formulation development of transdermal ethosomal gel of ketoprofen for Arthritis CMR,DST,MP COUNCIL of Science & Technology sponsored National Seminar on Current Trends in Pharmaceutical Technology & Drug Design. September 22, 2013, Organized by Sagar Institute of Pharmaceutical Sciences, Sagar (MP).

11. Proniosomal transdermal delivery of Lisinopril-Hydrochlorthiazide combination. AICTE Sponsored National Seminar on Emerging Trends & Innovations in Drug Delivery &Pharmaceutical Sciences. October 20 , 2013. Organized by Columbia Inst of Technology, Raipur, CG.

12. Preparation and characterization of gastroretentive microspheres containing antihypertensive combination. CG COST sponsored National Seminar on Industry Institute Interaction for development of Chhattisgarh. Feb. 8th, 2014. Organized by Faculty of Pharmaceutical Sciences, Shri Shankaracharya group of Institutions , Bhilai, CG.

13. Proniosomal provesicular system for transdermal delivery of hydralazine for hypertension. CG COST sponsored National Seminar on Recent Advances in Novel Drug Delivery Systems for Herbal Formulations. 26-27th Sept. 2014, Organized by School of Pharmacy, Chouksey Engineering College, Bilaspur, CG.

14. Mast cell stabilizing effect of sitopaladi churna. ICAPS(International conf on advances in Plant Sciences,Kuching,Sarawak, Malaysia. Nov. 18-22, 2014. Universiti Technologi, Mara, Malasiya.

15. Proniosomes as drug carrier for transdermal delivery of antihypertensive drug combination . National

Seminar on Ethnomedicine and New Drug Discovery: Opportunities and Challenges. April 10-11, 2015, Organized by SLT Inst. Of Pharm. Sci.,GGV, Bilaspur, CG.

16. Preparation and characterization of self microemulsifying delivery system of norfloxacin. CGCOST

Sponsored National Seminar on recent Trends in Green Therapies for diseases Prevalent in

Chhattisgarh State. Oct. 16-17, 2015, organized by Shri Rawatpura Sarkar Inst. of Technology,

Kumhari, Durg (CG).

17. Evaluation of sedative activity of Miracle Grass. CGCOST Sponsored National Seminar, Feb. 16 ,

2016. organized by Siddhi Vinayaka Inst. of Technology and Sciences, Mangla, Bilaspur, CG.

18. Estimation of Piperine in Plasma from Sitopaladi Churna. 3rd International Congress, Society for

Ethnopharmacology on Ethnopharmacology & Evaluation of Medicinal Plants- Global Perspective.

Feb. 19-21, 2016, Organized by Pt. Ravishankar Shukla University, Raipur (CG).

19. Development and characterization of ophthalmic nanosuspensions of fluconazole. International

conference on Innovation in pharmaceutical Science, Feb. 27-28,2016, Organized by Sri Aurubindo

Institute of Pharmacy, Indore, MP.

20. Development and Characterisation of solid lipid nanoparticles of nateglinide . CGCOST Sponsored

National Seminar on Traditional knowledge and Biodiversity of Chhattisgarh, March 4-5, 2016,

Organized by Royal College of Pharmacy, Raipur.

21. Formulation Development of extended release matrix tablets of antihypertensive combination.

CGCOST Sponsored National Seminar on Bridging gap between Academic and Pharmaceutical

Industry . March 5-6, 2016, Organized by Columbia Inst of Technology, Raipur, CG.

22. Prodeformable vesicles for effective transdermal delivery of ketoprofen. 2nd International Delivery

Conference: Frontier in Pharmaceutical Sciences and Research. Theme: Advances in development,

Delivery System & Clinical Monitoring of drugs, September 23-24, 2017, Organized by Columbia

Institute of Technology, Raipur, CG.

23. Develpoment and characterization of nanostructured lipid carriers of Repaglinide for treatment of

Diabetes. Bharat Rejuvenation: from glorious Past to the Modern Era, October 15-17, 2017,

Organized by Guru Ghasidas University, Bilaspur in association with Bhartiya Shikshan Mandal,

Nagpur.

24. Role of Holmium 166 in Rheumatoid Arthritis. Atomic Energy Regulatory Board sponsored National

Seminar on Radiopharmaceuticals in Health Care System: Quality, Safety and Regulatory Aspects.

February 10, 2018, Dept. of Pharmaceutical Science and Technology, AKS University, Satna (MP).

25. Design approach based of deformable liposomes and their in vitro skin permeation. Recent trends in

drug discovery, Development and Delivery systems, February 12, 2018, organized by SLT Inst. of

Pharm. Sci.,GGV, Bilaspur, CG.

26. Curcumin microspheres for obesity control and its biopotentiation with piperine. ICMR Sponsored

national seminar on Ethnomedicines- a source of complementary and Alternative medicines for

navigating the future in Therapeutics, February 23, 2018, organized by School of Pharmacy,

Chouksey Engineering College, Bilaspur, CG.

27. Preparation and optimization of tristearin solid lipid nanoparticles by multilevel factorial design

CBPS,UGC, SERB,CCOST Sponsored National Seminar on Nanotechnology to Translational

Nanomedicine: Status Assessment, Challenges & New Horizons, March 15-17, 2018, organized

by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur CG.

28. Antibiotic Ethosomes for treatment of Deep Skin Infection in Diabetes. International Conference:

Engineering, Science and Technology: Ideas, Innovations and Initiatives, October26-27, 2018,

October26-27, 2018, Chouksey Engineering College, Bilaspur, CG.

29. Need for Pharmacovigilance in milk producing animals. National conference on Recent Advances in

Pharmacovigilance in drug discovery and development, April 12, 2019, Dept. of Pharmaceutical

Science and Technology, aKS University, Satna (MP).

30. Dual drug delivery approach targeted for inflammatory bowel disease. UGC-SAP Sponsored

National Seminar on Traditional Medicines and modern drug research for better health care

March 8, 2019, SLT Inst. Of Pharm. Sci.,GGV, Bilaspur,CG.

31. Brand Protection in Pharmaceuticals : An essential anti-counterfeiting measure. MPCST Sponsored

National Seminar on Intellectual Property Rights , January 31, 2020, organized by Oriental College

of Pharmacy,Raisen Road, Bhopal, MP.

32. Curcumin nanoparticles for Treatment of Inflammatory Bowel Disease, SPER 9th Annual Conference

and Exhibition on Nurturing innovations in Healthcare Research: Discovering New Verticals,

February 28-29,2020, organized by SPER in collaboration with Dept. of Pharm. Science &

Technology, AKS Univ. Satna,MP.

33. Product development and in vivo Performance of Nanoparticles in pH sensitive Microspheres.

National conference on New Frontiers in Pharmaceutical Research. September 23, 2021, organized

by Department of Pharmacy, IGNTU, Amarkantak, MP.

34. Formulation development of Linezolid loaded ethosomes for deep skin infection in Diabetes.

International Conference on Advances in Pharmaceutical and Health Sciences(APHS2021),

October 7-8, 2021, organized by KIET School of Pharmacy, Kiet Group of Institutions, Delhi-NCR,

Ghaiabad in collaboration with CSIR- Indian Institute of Toxicological Research Lucknow, India.

35. Formulation Development of Curcumin loaded Microspheres for Body Weight Reduction . Prof.

Ambikananda Mishra Memorial International E-Conference on Recent Advances and Trends in

Novel Drug Delivery systems, September 23-25, 2021, organized by MS Univ. Pharmacy Alumini

Association(MPA) and Faculty of Pharmacy, Maharaja Sayajirao Univ. of Baroda , Guj.

36. Formulation Development of Curcumin loaded Microspheres for antiobesity potential, National

Conference on Covid 19;Recent Developments, Challenges and Opportunities in Pharmaceutical

Sciences. December 11, 2021, organized by IIMT College of Pharmacy, Greater Noida, India.

37. Microspheres of *Holarhenna antidysentrica* extract for hepatic malignancy. National Symposium

cum Workshop on Biodiversity and its Utilization and Conservation in Central India, February 21-

22,2022 organized by Guru Ghasidas Vishwavidyalaya( Central University) in blended mode.

38. Development and Characterization of oral sustained herbomineral granules for treatment of

Hemorrhoids, International Conference on Approach toPharmaceutical Insight

through Interdisciplinary Research(APIIR), November 13-14 2024, School of Pharmacy, GH Raisoni

University Saikheda, MP in association with APTI.

39. Formulation And Characterization Of Gastroretentive Microspheres Of Antihypertensive Drug

Combination. International Conference PHARMATECH2024 “Digital transformation in

Pharmaceuticals: A New Era” November 30, 2024 organized by R V Institute of Pharmacy

Bijnor and Pharmaceutical Educational Society (PESOTS)

40. Formulation Development And In Vitro Evauation Of Herbal Microspheres Of Holarrhena

Antidysenterica Bark For Targetting Liver Cancer , 3rd International Conference in Hybrid mode

on Therapeutic Breakthroughs and Global Health Impact: Pioneering Advances for a Healthier World

April 10-11, 2025, organized by IIMT college of Pharmacy, Greater Noida, Uttar Pradesh**.**

**Invited Lectures and Chairmanships at National or International Conference/Seminars**

1. Controlled Drug Delivery Systems in Training Programme for Pharmacists on 30th july, 2010, organized by South Eastern Coalfields Ltd., Bilaspur, CG.
2. Chaired Technical Session-I in seminar on Potential Approaches in Herbaceuticals on 27th March

2009,organized by School of Pharmacy, Chouksey Engineering College, Bilaspur, CG.

1. Chaired Technical Session-II in National Seminar on Recent Trends in Herbal Therapy on 28th

March 2006 organized by SLT Inst. Of Pharm. Sci., GGV Bilaspur, CG.

1. Lecture on History of Pharma Industries in AICTE Sponsored Faculty Development Programme

On 8th February, 2010 organized by SLT Inst. Of Pharm. Sci., GGV Bilaspur, CG.

1. Lecture on Historical Background-Indian Values vis-à-vis Entrepreneurship and the Present Scenario in Entrepreneurship Awareness Programme on Pharmaceutical Entrepreneurship Opportunities and Challenges on 3rd Dec. 2009 organized by SLT Inst. Of Pharm. Sciences, GGV,Bilaspur, CG.
2. Chaired Technical Session in National Seminar on Standardisation of herbal formulations: A Holistic Goal on 2th February 2012 organized by SLT Inst. Of Pharm. Sciences, GGV,Bilaspur, CG.
3. Lecture on Dosage Forms and their Storage Conditions on World Pharmacist Day,25th Sept.2014 entitled Access to Pharmacists is access to Health Organized by South Eastern Coalfields Ltd., Bilaspur, CG.
4. Lecture on Future Prospects in Pharmacy in Seminar on Clinical Trials: Future Perspectives on 3rd March 2015 organized by School of Pharmacy, Chouksey Engineering College, Bilaspur, CG.
5. Chaired Technical Session-I. in National Conference on Nanoscience & Nanotechnology (NCNN-2014) on

8th Nov. 2014 organized by Faculty of Pharmaceutical Sciences, Shri Shankaracharya Group of Institutions, Bhilai, CG.

1. Chaired Technical Session III in National Seminar on Ethnomedicine and New Drug Discovery: Opportunities and Challenges on 11th April 2015 organized by SLT Institute of Pharm.Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur, CG.
2. Lecture on Indian Pharmaceutical Industry: Present Scenario in Refresher Course in Management and Economics on 18th Dec. 2015 organized by ASC, GGV, Bilaspur, CG.
3. Chairperson Technical Session in CBPS,UGC, SERB,CCOST Sponsored National Seminar on Nanotechnology to Translational Nanomedicine: Status Assessment, Challenges & New Horizons on 15th to 17th March , 2018 organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur CG.
4. Chaired Technical Session (oral) in 2nd International Conference: Frontier in Pharmaceutical Sciences and Research. Theme: Advances in development, Delivery System & Clinical Monitoring of drugs on 23-24th Sept. 2017 , organized by Columbia Inst of Technology, Raipur, CG.
5. Chaired Technical Sessions in National Seminar on Integrating Forensic Science and Society for Awareness against Crime. Sponsored by CCOST on 18th Sept. 2018 organized by Department of Forensic Science, GGV, Bilaspur (CG).
6. Chaired Technical Sessions in International Conference on 26 Oct. 2018 organized by Chouksey Engineering College, Bilaspur, CG.
7. Guest lecture to PG Students on Advancement in drug delivery system on 20th June 2019 , organized by Institute of Pharmaceutical Education and Research, Wardha,(MS).
8. Lecture on Ameliorating Mental Health in International Webinar on Virtual Learning- Bringing the Pharmaceutical World Together on 28th june 2020 organized by LCIT School of Pharmacy, Bilaspur, (CG).
9. Keynote speaker National Pharma Webseries on National Pharmacy Week Celebration on topic Pharmacy: The Prime Choice for a Promising Career on 3rd Nov. 2020, organized by LCIT School of Pharmacy, Bilaspur, (CG).
10. Speaker, on topic Outcome based Education Faculty Development Program on ‘New Approaches to Teaching and Learning for 21st Century Teachers from 2nd to 6th Aug. 2021, organized by LCIT School of Pharmacy, Bilaspur, (CG).
11. Guest Speaker, Faculty Development Program on Innovative teaching methods and Effective presentation skills on topic Innovative Teaching to flourish the New Age on 16th to 20th Aug. 2021, organized by IES University, Bhopal, MP.
12. Keynote speaker in 2nd Internation E-Symposium on Emerging Pharmacy for Brighter Tomorrow on 3rd March 2022 organized by LCIT School of Pharmacy, Bilaspur, (CG).
13. Guest Lecture on Pharmacy for a Brighter Tomorrow on 15th March 2022 , organized by Faculty of Pharmaceuticak Sciences, RAMA University, Kanpur, UP.

**Administrative Responsibilities Held:**

* Head Institute of Pharmaceutical Sciences. ( March 2006 to March 2009),
* Election officer(Students Council Election)
* Member Examination Discipline Committee,
* Member Innovation Committee
* Departmental Research Degree Committee
* Member,Faculty service Confirmation Committee
* Member, Compassionate appointment Committee
* Member, Scrutiny Committee and verification committee for various teaching and nonteaching posts
* Member Selection Committee for various teaching and non teaching posts at GGV.
* Member, Physical verification Committee of various Departments of GGV
* Chairman, Admission Committee of B.Pharm, Lateral Entry, and Ph.D
* Chairman and as Expert in faculty selection committee of colleges of Chhattisgarh Swami Vivekanand Tech.University, Bhilai.
* Member of Inspection committee of various Pharmacy and Engineering colleges.
* Member of Gender Sensitization Cell
* Member Fact finding Committee
* Member, Departmental Anti Ragging Committee

**Additional Information**

* Organised 06 National Seminars/Conferences/Workshops .



Dr Alpana Ram