

FACULTY PROFILE



Name	Dr. Vandana Soni					Date of Birth: 21.02.1972				
Designation	Professor			Date of holding Present Post			29.08.2014			
Name of the Department and School	Department of Pharmaceutical Sciences School of Engineering and Technology									
Contact Details	Email : drvandanasoni@gmail.com					Mobile: +91-9425172178				
Educational Qualifications (UG onwards)	M. Pharm, Ph.D.									
	Degree		Year	Institution				Field		
	B.Pharm		1992	Dr. H.S. Gour ishwavidyalaya, Sagar (M.P.)				Pharmacy		
	M.Pharm		1994	Dr. H.S. Gour Vishwavidyalaya, Sagar (M.P.)				Pharmaceutics		
	Ph.D.		2006	Dr. H.S. Gour Vishwavidyalaya, Sagar (M.P.)				Pharmaceutics		
Research Area/Specialization	Pharmaceutics/ Liposomal and naoparticles drug delivery systems to cancerous cells									
Awards/ Honors / Fellowship Conferred (With details thereof)	➤ Senior Research Fellowship, CSIR, New Delhi for Ph.D. Degree									
Summary of Publications (Number only)	Research Papers	53	Books	03	Chapter in Books	12	Seminars/ Conferences Proceedings	03	Projects	01

Research Projects (Completed and Ongoing):

S.No.	Title	Funding Agency	Duration	Sanction order No. & Date	Amount in Rs.	Completed/ongoing
1.	Targeted Delivery of Anticancer Drug to the Lungs via Surface Engineered Nanocarrier System	MPCST, Bhopal, MP	02 years	1765/CST/R&D/BIO.PROJ/2013 Dated 07/08/2013	2.98 Lakhs	Completed

PUBLICATIONS – 2013 onwards:

National Publications (Details of Research Papers) – 2013 onwards:

2019	- Jain P, Soni V. Transferrin anchored solid lipid nanoparticles for brain cancer treatment. Asian Journal of Pharmacy and Pharmacology. 2019;5(5):922-8. (ISSN: 2455-2674) (Impact factor = NA). - Asati S, Soni V. Development and characterization of RGD embellished drug-conjugate loaded NPs for dual targeting of tumor cells. Asian Journal of Pharmacy and Pharmacology. 2019;5(5):948-58. (ISSN: 2455-2674) (Impact factor = NA).
------	--

International Publications (Details of Research Papers):

2013	Sharma VK, Jain A, Soni V. Nano-aggregates: emerging delivery tools for tumor therapy. Critical Reviews™ in Therapeutic Drug Carrier Systems. 2013;30(6). (ISSN: 0743-4863) (Impact factor = 2.9).
2015	- Pandey V, Gajbhiye KR, Soni V. Lactoferrin-appended solid lipid nanoparticles of paclitaxel for effective management of bronchogenic carcinoma. Drug delivery. 2015; 22(2):199-205. (ISSN: 1773-2247) (Impact factor = 3.829). - Rai A, Jain A, Jain A, Jain A, Pandey V, Chashoo G, Soni V, Sharma PR. Targeted SLNs for management of HIV-1 associated dementia. Drug development and industrial pharmacy. 2015; 41(8):1321-7. (ISSN: 0363-9045) (Impact factor = 2.367). - Shilpi S, Vimal VD, Soni V. Assessment of lactoferrin-conjugated solid lipid nanoparticles for efficient targeting to the lung. Progress in biomaterials. 2015;4(1):55-63. (ISSN: 2194-0509) (Impact factor = NA). - Gajbhiye, K.R., Gajbhiye, V. and Soni, V. Targeted Brain Delivery of Bioactive Molecules Using Nanocarriers. Journal of Bioequivalence & Bioavailability. 2015; 7: 112-122. (ISSN: 0975-0851) (Impact factor = NA). - Jain A, Jain A, Garg NK, Tyagi RK, Singh B, Katore OP, Webster TJ, Soni V. Surface engineered polymeric nanocarriers mediate the delivery of transferrin-methotrexate conjugates for an improved understanding of brain cancer. Acta biomaterialia. 2015; 24:140-51. (ISSN: 1742-7061). (Impact factor = 6.638).
2016	V. Soni, V. Sharma, V. Pandey, S. Asati, P. Jain, A. Jain A Novel Strategy for the Delivery of Doxorubicin to Reduce Cardiotoxicity. Pharmacy and Pharmacology International Journal. 2016; 4(7): 00101. (ISSN: 2373-6367) (Impact factor = NA).
2017	- Jain P, Rahi P, Pandey V, Asati S, Soni V. Nanostructure lipid carriers: A modish contrivance to overcome the ultraviolet effects. Egyptian journal of basic and applied sciences. (ISSN: 2314-808X) (Impact factor = NA). - Priyanka N, Rajesh MK, Rupesh SK, Soni V, Anupam R. An Account of Dengue Epidemics in Central India. Journal of Clinical Microbiology and Biochemical Technology. 2017;3(1):031-4. (ISSN: 2581-527X) (Impact factor = NA). - Gajbhiye KR, Gajbhiye V, Siddiqui IA, Pilla S, Soni V. Ascorbic acid tethered polymeric nanoparticles enable efficient

	brain delivery of galantamine: An in vitro-in vivo study. Scientific reports. 2017;7(1):1-12. (ISSN: 2045-2322) (Impact factor =4.525). Soni V, Jain P. Potential of solid lipid nanoparticles in brain cancer treatment. Research Pharmaceutica. 2017;1:11-20. (ISSN: 2457-0389) (Impact factor = NA).
2018	- Tiwari R, Pandey V, Asati S, Soni V, Jain D. Therapeutic challenges in ocular delivery of lipid based emulsion. Egyptian journal of basic and applied sciences. 2018;5(2):121-9. (ISSN: 2314-808X) (Impact factor = NA). - Asati A, Soni V. Spatial Drug Delivery through Hyaluronic Acid-Paclitaxel Conjugate-loaded Nanoparticles for the Effective Treatment of Solid Tumors. Asian Journal of Pharmaceutics (AJP). 2018;12(03): S981-90. (ISSN: 1998-409X) (Impact factor = 0.5). - Tiwari R, Jain P, Asati S, Haider T, Soni V, Pandey V. State-of-art based approaches for anticancer drug-targeting to nucleus. Journal of Drug Delivery Science and Technology. 2018; 48: 383-392. (ISSN: 1773-2247). (Impact factor = 2.606). - Kanwar IL, Haider T, Kumari A, Dubey S, Jain P, Soni V. Models for acne: A comprehensive study. Drug discoveries & therapeutics. 2018;12(6):329-40. (ISSN: 1881-784X). (Impact factor = 1.11).
2019	- Asati S, Pandey V, Soni V. RGD peptide as a targeting moiety for theranostic purpose: An update study. International Journal of Peptide Research and Therapeutics. 2019;25(1):49-65. (ISSN: 1573-3904) (Impact factor = 1.219). - Soni D, Jain P, Pandey V, Dixit VK, Soni V. Development and Characterization of Novel Vesicular System using Purpurin-Phosphatidyl Choline as a Skin Antiaging Agent. Asian Journal of Pharmaceutics (AJP), 2019;12(04). (ISSN: 1998-409X). (Impact factor =0.5). - Haider T, Tiwari R, Vyas SP, Soni V. Molecular determinants as therapeutic targets in cancer chemotherapy: An update. Pharmacology & therapeutics. 2019;200:85-109. (ISSN: 0163-7258) (Impact factor = 9.396). - Jain P, Pandey V, Soni V. Surface Modified Solid Lipid Nanoparticles for Brain Cancer Treatment. Asian Journal of Pharmaceutics (AJP): 2019; 13(02):119-24. (ISSN: 1998-409X). (Impact factor = 0.5). - Pandey V, Haider T, Jain P, Gupta PN, Soni V. Silk as a leading-edge biological macromolecule for improved drug delivery. Journal of Drug Delivery Science and Technology. 2019 Sep 27:101294. (ISSN: 1773-2247). (Impact factor = 2.606).
2020	- Pandey V, Haider T, Chandak AR, Chakraborty A, Banerjee S, Soni V. Technetium labeled doxorubicin loaded silk fibroin nanoparticles: Optimization, characterization and in vitro evaluation. Journal of Drug Delivery Science and Technology. 2020:101539. (ISSN: 1773-2247) (Impact factor = 2.606). - Atul Jain, Teenu Sharma, Sumant Saini, Om Prakash Katore, Vandana Soni, Bhupinder Singh. Nanocargos: A Burgeoning Quest In Cancer Management. Current Nanomedicine. 2020, E-pub Abstract Ahead of Print. (ISSN: 2468-1881) (Impact factor = NA). - Azam Z, Pandey V, Gupta N, Sapra L, Hamid Y. Dar, Shokeen N, Soni V, Srivastava RK. Phytoconstituents as novel osteo-protective agents: Implications in bone health. Frontiers in Bioscience, Landmark, 2020, 25, 1259-1296. (ISSN: 1093-4715) (Impact factor = 2.214). - Tripathi S, Soni K, Agrawal P, Gour V, Mondal R, Soni V. Hypertrophic Scars and Keloids: A Review and Current Treatment Modalities. Biomedical Dermatology. 2020. (Accepted). (ISSN: 2398-8460) (Impact factor = NA).

Chapters in Books – 2013 onwards

	- Soni V, Chandel S, Jain P, Asati S. Role of liposomal drug-delivery system in cosmetics. In Nanobiomaterials in Galenic Formulations and Cosmetics 2016 (pp. 93-120). William Andrew Publishing. - Dhote VK, Dhote K, Pandey SP, Shukla T, Soni V. Designing of Modulated Release Drug Delivery Systems by Pelletization Techniques in Oral Modified Release Drug Delivery Systems 2018 (pp. 292-315) - Soni V, Pandey V, Asati S, Tekade RK. Impact of Pharmaceutical Product Quality on Clinical Efficacy. In Dosage Form Design Considerations 2018 (pp. 731-771). Academic Press. - Soni V, Jain P, Haider T, Pandey V, Tekade RK. Documentation Protocol in Product Development Including Clinical Records. In Dosage Form Design Parameters 2018 (pp. 403-440). Academic Press. - Chandel S, Jain P, Asati S, Soni V. 8 Nanoemulsions: A New Application in Nutraceutical and Food Industry. Nano Nutraceuticals. 2018 Oct 3:121-46. - Soni V, Pandey V, Tiwari R, Asati S, Tekade RK. Design and Evaluation of Ophthalmic Delivery Formulations. In Basic Fundamentals of Drug Delivery 2019 (pp. 473-538). Academic Press. - Soni V, Pandey V, Asati S, Jain P, Tekade RK. Design and Fabrication of Brain-Targeted Drug Delivery. In Basic Fundamentals of Drug Delivery 2019 (pp. 539-593). Academic Press. - Soni V, Pandey V, Asati S, Gour V, Tekade RK. Biodegradable Block Copolymers and Their Applications for Drug Delivery. In Basic Fundamentals of Drug Delivery 2019 (pp. 401-447). Academic Press. - Soni V, Chandel S, Pandey V, Asati S, Jain P, Jain A, Tekade RK. Novel Therapeutic Approaches for the Treatment of Leishmaniasis. In Biomaterials and Bionanotechnology 2019 (pp. 263-300). Academic Press. - Tekade M, Maheshwari N, Youngren-Ortiz SR, Pandey V, Chourasiya Y, Soni V, Deb PK, Sharma MC. Thiolated-Chitosan: A Novel Mucoadhesive Polymer for Better-Targeted Drug Delivery. In Biomaterials and Bionanotechnology 2019 (pp. 459-493). Academic Press. - Pandey V, Gadeval A, Asati S, Jain P, Jain N, Roy RK, Tekade M, Soni V, Tekade RK. Formulation strategies for nose-to-brain delivery of therapeutic molecules. In Drug Delivery Systems 2020 (pp. 291-332). Academic Press. - Pandey V, Haider T, Gour V, Soni V, Gupta PN. Prodrugs in cancer nanomedicine and therapy. In Recent Advancement in Prodrugs 2020. CRC Press (Under Communication).
--	--

National Seminar/Conference/Workshops (Attended) – 2013 onwards

S.No	Title of Paper Presented	Title of Conference/Seminar	Date of Event	Organized by
1.	Transferrin Coupled Liposome to Enhance Brain Delivery of Doxorubicin	Emerging Frontiers : Genesis of Drug and its Journey to Patients	18-20 Jan, 2013	Nirma Institute Of Pharmacy, Ahmedabad, Gujarat
2.	Nanosized Drug Carrier System for Effective Management of Brain Cancer	National Seminar on Computer Assisted Drug Designing and Green Chemistry 2013	19-20 Jan, 2013	Department of Chemistry, Career College, Bhopal, MP
3.	Transferrin Coupled Liposomal System for Anti-Cancer Drug	National Seminar on Computer Assisted Drug Designing and Green Chemistry 2013	19-20 Jan, 2013	Department of Chemistry, Career College, Bhopal, MP
4.	Depression-An Overview	National Seminar on Stress and Health Management, Sagar, MP	1-2 Feb, 2013	Department of Psychology and Home Science , Girls College of Excellence, Sagar, MP
5.	Drug Targeting for Therapeutic Benefits	National Seminar on Drug Targeting for Therapeutic Benefits	2-3 Feb, 2013	ADINA, Sagar, MP
6.	Ligand Mediated Solid Lipid Nanoparticles of Paclitaxel for Effective Management of Bronchogenic Carcinoma : <i>In-Vitro</i> Characterization	National Seminar on Drug Targeting for Therapeutic Benefits	2-3 Feb, 2013	ADINA, Sagar, MP
7.	Drug Targeting: A Therapeutic Approaches for Drug Delivery	National Seminar on Drug Targeting for Therapeutic Benefits 2013	2-3 Feb, 2013	ADINA Sagar, MP
8.	PLGA BPEG Nanoparticles for Sustained Delivery of Galantamine	National Seminar on Drug Targeting for Therapeutic Benefits 2013	2-3 Feb, 2013	ADINA, Sagar, MP
9.	Improved Pharmacokinetics of Psoralea Carylifolia	National Seminar on Drug Targeting for Therapeutic Benefits 2013	2-3 Feb, 2013	ADINA, Sagar, MP
10.	Bioavailability and Improved Pharmacokinetics of Phytoconstituent of Seed of Psoralea Carylifolia by Complexation with Soy Phosphatidyl Choline	National Seminar Pharmarendezvous- A Meet On Recent Advances In Pharmaceutical Sciences	22-23 Feb, 2013	Department of Pharmacy, Sumandeep Vidyapeethparia, Vadodara, Gujarat
11.	National Seminar on Emerging Trends of Novel Drug Delivery System (2013)	National Seminar on Emerging Trends of Novel Drug Delivery System (2013)	27 Feb, 2013	Rishiraj College of Pharmacy, Indore, MP
12.	Drug Delivery to Brain: An Overview	National Conference on New Frontiers for Women in Science and Technology Gwalior(2013)	20-21 March, 2013	Jiwaji University, Gwalior, MP
13.	PLGA-b-PEG Nanoparticles for Sustained Delivery of Rivastamine	National Conference on New Frontiers for Women in Science and Technology Gwalior (2013)	20-21 March, 2013	Jiwaji University, Gwalior, MP
14.	Chair an Oral Session	Herbal Drug Scene-Prospects and Challenges	9-10 Oct 2013	Bhagyoday Tirth Pharmacy College, Sagar, MP
15.	Participation	National Seminar on Progression in Pharmaceutical Chemistry	8 December 2017	Department of Pharmaceutical Sciences, Dr. Harisingh Gour University, Sagar, M.P
16.	One Day Workshop	Intellectual Property Rights (IPR)	10 February, 2020	Department of Pharmaceutical Sciences, Dr. Harisingh Gour Univeristy, Sagar, M.P.
17.	One Day Training-Cum-Workshop Program	Good Clinical Practice	29 February, 2020	Dr. Harisingh Gour Univeristy, Sagar, M.P.

International Seminar/Conference/Workshops (Attended) – 2013 onwards					
S.No	Title of Paper Presented	Title of Conference/Seminar	Date of Event	Organized by	
18.	Engineered Nanocarrier for Effective Management of Brain Cancer	CTDDR-2013: Drug Development for Orphan/Neglected Diseases	26-28 Feb, 2013	CSIR- CDRI, Lucknow	
19.	Engineered Solid Lipid Nanoparticles of Paclitaxel for Effective Management of Lung Carcinoma	Promoting Today's Ideas for Tomorrow's Medicines: from Pharmaceutical Sciences to Regulatory Science	10-13 June, 2014	A Joint Conference of Canadian Society for Pharmaceutical Sciences (CSPS)	
20.	Formulation and Characterization of Intranasal Mucoadhesive Nanoparticulate System for the Treatment of Parkinson's disease.	International Conference on Innovations in Pharmaceutical Science	27-28 February 2016	Sri Aurobindo Institute of Pharmacy	
National Seminar/Conference/Workshops (Organised) – 2013 onwards					
	- Co-organizing Secretary in National Seminar on “Emerging trends and Challenges in Pharmaceutical Education and Research” at Dr. Harisingh Gour Vishwavidyalaya, Sagar on 12 November, 2014. - Co-ordinator in National Conference on “Recent Development in Pharmaceutical Scinces: Academia-Industry Intercation Inititiaves” at Department of Pharmaceutical Sciences, Dr. Harisingh Gour University, Sagar, M.P. from 6-7 March, 2020.				
International Seminar/Conference/Workshops (Organised) – 2013 onwards					
	- Convener of cultural committee in International conference on “Academia Industry Interactions: Global Pharma Prospects” and “Diamond Jubilee Celebrations” at Dr. Harisingh Gour Vishwavidyalaya, Sagar from 6-7th February, 2016. - Organizing Secretary in International conference on “Interface of physical, chemical and biological sciences” at Dr. Harisingh Gour Vishwavidyalaya, Sagar from 11-13 January, 2017.				
Research Papers in Proceedings (International Seminar/Conference/Workshops) – 2013 onwards					
S.No	Title	Journal / Publisher	ISBN No.	Name	
1.	Development of Mucoadhesive Buccal Patches for Controlled Delivery of Anti Diabetic Drug.	International Joint Conference on Pharmacology and Pharmaceutical Technology (IJCPT-IOAJ), January 06, 2013 Medical Education New Delhi, India.	2277-3436	Vandana Soni And Aviral Jain	
2.	Receptor Mediated Pegylated Nanoparticles Bearing Paclitaxel for Brain Tumors	International Joint Conference on Pharmacology and Pharmaceutical Technology (IJCPT-IOAJ), January 06, 2013 Medical Education New Delhi, India.	2277-3436	Vandana Soni And Aviral Jain	
3.	Formation and evaluation of doxorubicin containing silk fibroin nanoparticles and its direct labeling with ^{99m} Tc	In Proceedings of 51st Annual Conference of Society of Nuclear Medicine India, 2019 (51st SNMICON 2019), Indian Journal of Nuclear Medicine, Volume 34 (pp. S81), Medknow Publications, India.	0972-3919	Vikas Pandey, Ashok R Chandak, Avik Chakraborty, Sharmila Banerjee, Vandana Soni	
Invited Lectures delivered (Outside University) with title, date and place – 2013 onwards:					
	Invited talk at Nirma Institute of Pharmacy International Conference (NIPICON-2013) on Emerging Frontiers:Genesis of Drug & its Journey to Patients on topic “Transferrin Coupled Liposome to Enhanced Brain Delivery of Doxorubicin” from 18-20 January, 2013.				
	Invited Lecture at National Seminar held at Shri Ravishanker University, Raipur, on topic “The Blood Brain Barrier and Drug Development to Brain” from 21 March 2015 to 22 March 2015.				
	Invited Lecture at 2ND National Women Conference-2015 held at Jiwaji University, Gwalior on topic “Strategies and Opportunities for the Drug Delivery to Brain” from March 25-27, 2015.				
	Invited Lecture at Seminar on “Women’s Rights and Responsibilities in Changing Scenario: A disclosure” on 08 march				

2019 organized by S.R. Govt. Polytechnic College, Sagar, MP.	
No. of Ph.D. Awarded:	02
No. of Ph.D. Scholars working:	08
No. of Foreign Visits : Total = 03	
	Visit to Montreal, QC, Canada from 10-13 June, 2014 for Poster Presentation in the Scientific Symposium entitled "Promoting Today's Ideas for Tomorrow's Medicines: From Pharmaceutical Science to Regulatory Science".
Memberships in Academic Bodies:	
Life Member of Indian Pharmaceutical Association (MP/SAG/LM/0020)	Life Member of M.P. Pharmacy Graduates Association
Life Member of Association of Pharmaceutical Teachers of India (MP/LM-143)	
Life Member of the Society of Pharmacognosy (LM-MP/S-149)	
Life member of Indian Science Congress Association (L32705)	
Other Academic Achievements :	
(i) Reviewer of the Journal(s) (With details of the journal(s) and duration)	
- International Journal of Pharmaceutics - Journal of Controlled Release - Banham Publication - Journal of Medicinal Plant Research - Dove Press - Drug Development in Industrial Pharmacy - Journal of Microencapsulation - International Journal of Peptide Research and Therapeutics	
(ii) Membership of the Board of Studies/School Board / Academic Council/ Executive Council (Within/ outside the university)	
Member of school board of studies	