

1. Name of the faculty: **Dr. Dinesh Kumar Mishra**
2. Designation and specialization: **Assistant Professor, Pharmaceutics**
3. Educational qualification: **M. Pharm, Ph.D.**
4. Contact information (Address, email and cell no): **SLT Institute of Pharmaceutical Sciences, Guru Ghasidas Vishwavidyalaya, (Central University) Bilaspur (C.G.), dineshdops@yahoo.com, 9424459859**
5. Date of joining: **03 Jan 2012**



6. Past employment (From latest):
 - **Mahakal Institute of Pharmaceutical Studies, Ujjain (M.P.) as Associate Professor, HOD Pharmaceutics**
 - **SRIT Pharmacy, Jabalpur (M.P.) as Reader, HOD Pharmaceutics**
 - **College of Pharmacy, IPS Academy, Indore (M.P.) as Lecturer**
 - **AND college of Pharmacy, Babhnan, Gonda (U.P.) as Lecturer**

7. List of publication/patents (National and international):

Paper Published	29	International	27	National	02
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1. **Dinesh Mishra**, Vaibhav Dubey, Abhay Asthana, N. K. Jain. Elastic liposomes mediated transcutaneous immunization against Hepatitis B. Vaccine 2006; 24: 4847-4855.
2. **Dinesh Mishra**, Pradyumna Mishra, Vaibhav Dubey, Sunil Dabadghao and N. K. Jain. Evaluation of uptake and generation of immune response by murine dendritic cells pulsed elastic liposomes loaded with Hepatitis B surface antigen. Vaccine 2007; 25: 6939-44.
3. **Dinesh Mishra**, Pradyumna Mishra, Vaibhav Dubey, Manoj Nahar, Sunil Dabadghao and N. K. Jain. Systemic and mucosal immune response induced by transcutaneous immunization using Hepatitis B surface antigen loaded modified liposomes. Eur J Pharm Sci 2008; 33 (4-5) 424-433.
4. **Dinesh Mishra**, Minakshi Garg, Vaibhav Dubey, Subheet Jain and N. K. Jain.

Elastic liposome mediated transdermal delivery of an anti hypertensive agent: propranolol hydrochloride. *J Pharm Sci* 2007; 96(1): 145-155.

5. **Dinesh Mishra**, Pradyumna Mishra, Sunil Dabadghao, Vaibhav Dubey, Manoj Nahar and N. K. Jain. Comparative evaluation of hepatitis B surface antigen loaded elastic liposomes and ethosomes for human dendritic cell uptake and immune response. *Nanomedicine: Nanotechnology, Biology, and Medicine* 2010; 6(1): 110-8.
6. Vaibhav Dubey, **Dinesh Mishra**, Abhay Asthana and N. K. Jain. Transdermal delivery of a pineal hormone: melatonin via elastic liposomes. *Biomaterials* 2006; 27(18): 3491-3496.
7. Surbhi Saraf, **Dinesh Mishra**, Abhay Asthana, Renu Jain, Surendra Singh and N.K. Jain. Lipid microparticles for mucosal immunization against Hepatitis B. *Vaccine* 2006; 24(1): 45-56.
8. Minakshi Garg, **Dinesh Mishra**, H Agashe and N.K. Jain. Ethinylestradiol-loaded ultraflexible liposomes: pharmacokinetics and pharmacodynamics. *J Pharm Pharmacol* 2006; 58: 459-68.
9. Vaibhav Dubey, **Dinesh Mishra** and N. K. Jain. Melatonin loaded ethanolic liposomes: physico-chemical characterization and enhanced transdermal delivery. *Eur J Pharm Biopharm* 2007; 67(2): 398-405.
10. Vaibhav Dubey, **Dinesh Mishra**, Tathagata Dutta, Manoj Nahar, D. K. Saraf and N.K. Jain. Dermal and transdermal delivery of an antipsoriatic agent via ethanolic liposomes *J Control Rel* 2007; 123:148-154.
11. Nitin Swarnakar, Vikas Jain, Vaibhav Dubey, **Dinesh Mishra**, and N.K. Jain. Enhanced Oromucosal delivery of Progesterone via Hexosomes. *Pharm Res* 2007; (12): 2223-30.
12. Vaibhav Dubey, **Dinesh Mishra**, Manoj Nahar, N.K. Jain. Transdermal delivery of an anti-tumor agent via elastic liposomes. *Curr Drug Del* 2008 Jul;5(3):199-206.
13. Vaibhav Dubey, **Dinesh Mishra**, Manoj Nahar, N.K. Jain. Vesicles as tools for modulation of skin permeability. *Expert Opin Drug Del* 2007; 4(6):579-593

(Review Article).

14. Manoj Nahar, Tathagata Dutta, S Murugesan, Abhay Asthana, **Dinesh Mishra**, V Rajkumar, M Tare, Surbhi Saraf, NK Jain. Functional polymeric nanoparticles: an efficient and promising tool for active delivery of bioactives. *Crit Rev Ther Drug Carrier Syst* 2006; 23(4): 259-318.
15. Amit Jain, Neelesh Mehra, Neeraj Lodhi, Vaibhav Dubey, **Dinesh Mishra** and N.K.Jain. Carbon nanotubes and their toxicity. *Nanotoxicology* 2007; 1(3):167-197 (Review Article).
16. Minakshi Garg, P Garg, **Dinesh Mishra**, S Jain, H Agashe, A.P. Jain and N.K. Jain. Psoriasis: treatment with calcipotriol. *Ind J Pharm Sci* 2005; 67(3): 283-291.
17. Tathagata Dutta, Minakshi Garg, Vaibhav Dubey, **Dinesh Mishra**, Kanhaiya Singh, Deepti Pandita, Ajeet K. Singh, Alok K. Ravi, Thirumurthy Velpandian, and Narendra K. Jain. Toxicological investigation of surface engineered fifth generation poly (propyleneimine) dendrimers in vivo. *Nanotoxicology* 2008; 2(2): 62-70.
18. Neelesh Mehra, Amit Jain, Neeraj Lodhi, Raj R, Vaibhav Dubey, **Dinesh Mishra**, M Nahar and NK Jain. Challenges in the use of carbon nanotubes for biomedical applications. *Crit Rev Ther Drug Carrier Syst*; 2008; 25(2): 169-206.
19. Manoj Nahar, **Dinesh Mishra**, Vaibhav Dubey, N. K Jain. Development, characterization, and toxicity evaluation of amphotericin B-loaded gelatin nanoparticles. *Nanomedicine: Nanotechnology, Biology, and Medicine* 2008; 4(3):252-61.
20. Amit Jain, Vaibhav Dubey, Neelesh Mehra, Neeraj Lodhi, Manoj Nahar, **Dinesh Mishra**, N. K. Jain. Carbohydrate-conjugated multiwalled carbon nanotubes: development and characterization. *Nanomedicine: Nanotechnology, Biology, and Medicine* 2009; 5 (4) :432-442.
21. Manoj Nahar, Vaibhav Dubey, **Dinesh Mishra**, P K Mishra, Anuradha Dubey, N. K Jain. In vitro evaluation of surface functionalized gelatin nanoparticles for macrophage targeting in the therapy of visceral leishmaniasis. *J Drug Target* 2010; 18(2): 93-105.

22. **Dinesh Mishra**, Anuja Mishra, Vaibhav Dubey, Karunakar Shukla. Transdermal Immunization: A Recent Tool for Immunization. Research J Pharm Tech 2010 3(4): ISSN 0974-3618 (Review Article).
23. Vaibhav Dubey, Manoj Nahar, **Dinesh Mishra**, P K Mishra, N.K. Jain. Surface structured liposomes for site specific delivery of an antiviral agent-indinavir. J Drug Target 2010; Jul 7: PMID: 20604740.
24. Vaibhav Dubey, **Dinesh Mishra**, Manoj Nahar, V Jain, N.K. Jain. Enhanced transdermal delivery of an anti-HIV agent via ethanolic liposomes. Nanomedicine: Nanotechnology, Biology, and Medicine 2010; 6(4): 590-6.
25. Himanshu Mishra, **Dinesh Mishra**, Pradyumna Mishra, Manoj Nahar, Vaibhav Dubey, and N. K. Jain. Evaluation of solid lipid nanoparticles as carriers for delivery of hepatitis B surface antigen for vaccination using subcutaneous route. J Pharm Pharm Sci 2010; 13(4): 495-509.
26. Pritesh Mahajan, S C Mahajan, **Dinesh Mishra**. Valsartan release from sustained release matrix tablet and effect of cellulose derivatives. Int J Pharm Life Sci 2011; 2(1): 521-530.
27. Ankit Gupta, S C Mahajan, **Dinesh Mishra**. Preparation and in-vitro evaluation of self emulsifying drug delivery system of antihypertensive drug valsartan. Int J Pharm Life Sci 2011; 2(3): 633-639.
28. Vinod Dhote, Punit Bhatnagar, P K Mishra, S C Mahajan, **Dinesh K Mishra**. Iontophoresis: a potential emergence to transdermal drug delivery system. Scientia Pharmaceutica 2012; 80: 1-28.
29. Vaibhav Dubey, **Dinesh Mishra**, Manoj Nahar, V Jain, N.K. Jain. Enhanced transdermal delivery. Clinical Dermatology, Retinoids and treatments Sep 2008.
8. List of Presentation (National and international):
- Oral presentation in M. P. Young Scientist Congress at Bhopal, Feb 28-1 March, 2005.
 - Poster Presentation on 'Transcutaneous Immunization via Ethosomal Carrier' at 33rd Indian Immunology Society Conference, New Delhi, Jan 28-31, 2007.
 - Poster Presentation on 'Enhanced Dermal and Transdermal Delivery of

Methotrexate via Ethosomal Carrier' at AAPS Conference, San Antonio, Texas, USA.

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- Poster Presented on 'Formulation and Characterization of BSA loaded Ethanolic Liposomes', National Seminar on Controlled and Targeted Drug Delivery: Nanotechnology, Sagar, 17th –18th March, 2007.
- Poster presentation on 'Drug Delivery via Intelligent Therapeutics' at National Conference On Current Trends Of Nanotechnology In Advanced Drug Delivery, Bhilai, (C.G.), 30th March, 2007.
- Presentation on 'Transdermal Drug Delivery: Current Trends and Future Prospects' National Conference On Current Trends Of Nanotechnology In Advanced Drug Delivery, Bhilai, (C.G.), 30th March, 2007.
- Oral presentation on "Nanocarrier mediated immunization" at National Science Day, Dr. H. S. Gour University, Sagar (M.P.), 26 Feb 2008.
- Poster presentation in National Seminar at SLT Institute of Pharmaceutical Sciences, GGV, Bilaspur (C.G.), 25-26 Feb 2012.
- Poster presentation in National Seminar at Department of Chemistry, GGV, Bilaspur (C.G.), 30-31 March 2012.

9. Books published:

10. Research experiences: **09 years**

11. Research Project details: "**Enhanced transdermal drug delivery of non-steroidal anti-inflammatory drugs using different novel approaches**" by **MPCOST, Bhopal, 2011.**

12. Research area (Interest): **Novel drug delivery systems especially Liposomes, Elastic liposomes, Ethosomes, SLN, Nanoparticles, Transdermal drug delivery, Vaccines, Dendritic cell based drug delivery etc.**

13. Members of professional bodies: **APTI, IPGA, APP, CRS Indian chapter**