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Researcher ID
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Designation: Professor

Qualifications: M. Pharm., Ph.D.

Area of Interest: Novel drug delivery systems

Specialization: Pharmaceutics

Experience: 20 Years

Awards & Honors:

- **World top 2% Scientists in Elsevier's list 2022**
- **Prof. M. L. Schroff Pharma Recognition Award**, 05 September 2022.
- **Outstanding Scientist Award 2022** during International Conference, Indore (M.P.)
- **Best Scientist Award during 2022** BRNS Sponsored National Conference, Indore (M.P.)
- **Eminent Principal Award 2021** by IPA MP State Branch.
- **Pharma Recognition Award 2020** during Virtual conference on PHARMA VISION 2025.
- **Editor of ISSRF newsletter** (ISSN no. 2395-2806) Issue 26, Nanotechnology into reproductive healthcare: From molecules to materials to modalities, September 2020
- **Prof. G. P. Talwar Young Scientist Award 2020.**
- **Indian National Science Academy (INSA) Visiting Scientist Fellowship 2019.**
- **100 Most Impactful Healthcare Leaders** (Global listing) during World Health and Wellness Congress and Etnow 14Feb 2019 at Tajlands end Bandra, Mumbai.

- **SPER Young Teacher Award** 2019 during 8th Annual International Conference and Exhibition 22-23 February 2019.
- **Best research paper award** 2013 in Pharmaceutical Technology Section, Bulletin of Pharmaceutical Research.
- **APP Young Scientist Award**, 2011.
- First Consolation in Microtech Junior Scientist Award, Rani Durgawati University, Jabalpur (M.P.), 2008.
- Senior Research Fellowship (SRF-UGC) for pursuing Ph.D. (2004-2008).
- Junior Research Fellowship (JRF-UGC) for M. Pharm (2000-2002).
- Graduate Aptitude Test in Engineering (GATE) 2000 (85.95 percentile).

Research Projects:

- Research Grant from MPCST, Bhopal (M.P.) 2022 (2.7 Lakhs)
- NMIMS University Mumbai, SEED grant, 2018 (01 Lakh)
- UGC-BSR-Research-start-up grant, New Delhi 2012. (06 Lakhs)
- Research Grant from MPCST, Bhopal (M.P.) 2011 (05 Lakhs)

List of Publications

Research Articles

1. **Dinesh Mishra**, Vaibhav Dubey, Abhay Asthana, N. K. Jain. Elastic liposomes mediated transcutaneous immunization against Hepatitis B. **Vaccine** **2006**; **24**: 4847-4855. (Impact factor 3.41)
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. (Impact factor 3.41)
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. (Impact factor 3.77)
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. (Impact factor 2.59)
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. (Impact factor 5.67)

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. (Impact factor 8.38)
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. (Impact factor 3.41)
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. (Impact factor 2.26)
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. (Impact factor 3.97)
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. (Impact factor 7.41)
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. (Impact factor 3.26)
12. Vaibhav Dubey, **Dinesh Mishra**, Manoj Nahar, N.K. Jain. Transdermal delivery of an antijet lag agent via elastic liposomes. **Curr Drug Del** 2008 Jul;5(3):199-206. (Impact factor 1.44)
13. Tathagata Dutta, Minakshi Garg, Vaibhav Dubey, **Dinesh Mishra**, Kanhaiya Singh, Deepti Pandita, Ajeet K. Singh, Alok K. Ravi, Thirumurthy
14. Velpandian, and Narendra K. Jain. Toxicological investigation of surface engineered fifth generation poly (propyleneimine) dendrimers in vivo. **Nanotoxicology** 2008; 2(2): 62-70. (Impact factor 7.9)
15. 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. (Impact factor 5.67)
16. 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. (Impact factor 5.67)
17. 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. (Impact factor 2.8)

18. 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. (Impact factor 5.67)**
19. 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 PharmSci** 2010; **13(4): 495-509. (Impact factor 2.0)**
20. 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** 2011; **19(4):258-69. (Impact factor 2.8)**
21. 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.**
22. 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.**
23. Chandra Shekhar Pounikar, Govind Bhandari, **Dinesh Mishra**, Suresh Chandra Mahajan. Development and validation of reversed phase HPLC method for simultaneous estimation of lamivudine, zidovudine and nevirapine in tablet dosage form. **Int J Drug Form Res** 2011; **2(5): 274-91.**
24. A Bhargava, **D Mishra**, S Khan, SK Varshney, S Banerjee, PK Mishra. Assessment of tumor antigen-loaded solid lipid nanoparticles as an efficient delivery system for dendritic cell engineering. **Nanomedicine**, 2013;**8(7):1067-84. (Impact factor 4.9)**
25. **Dinesh Mishra**, A Kumar, R Raj, A Chaturvedi. Capmul MCM based nanoemulsion for intranasal delivery of an antidepressant. **Bull Pharm Res** 2013; **3(1): 34-39.**
26. Amrith Kumar, **D K Mishra**, M Gautam, S Thareja. Computational Simulations as Preformulation Perspective for Delivery of NSAIDs using β -Cyclodextrin. **Letters Drug Design Discovery** 2013; **10:853-858. (Impact factor 0.97)**
27. N Pathak, S Khan, A Bhargava, Raghuram GV, D Jain, H Panwar, RM Samarth, SK Jain, KK Maudar, **D K Mishra**, PK Mishra. Cancer chemopreventive effects of the flavonoid-rich fraction isolated from papaya seeds. **Nutr Cancer**. 2014; **66(5):857-71. (Impact factor 2.43)**
28. **D K Mishra**, D K Jain. Formulation and evaluation of valsartan sustained release matrix tablet. **Bull Pharm Res** 2014;**4(2):81-5.**
29. Vinod Dhote, Kanika Dhote, **Dinesh Kumar Mishra**, Subhendu Mishra. Development and characterization of nisoldipine-loaded microspheres. **Asian J Pharm Edu Res** 2015; **4(3):1-14.**
30. Vinod Dhote, Kanika Dhote, **Dinesh Kumar Mishra**. Formulation and characterization of microbeads as a carrier for the controlled release of rioprostil. **Asian J Pharm Pharmacol Res** 2015; **4(2):30-51.**

31. **Dinesh Kumar Mishra**, P K Mishra. Evaluation of uptake potential by dendritic cells pulsed antigen loaded elastic liposomes. **Int J Pharm Sci Res** 2015: 4-6.
32. Chetna Tivaree, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Formulation and evaluation of sustained release matrix tablets. **Int J Pharm Sci Res** 2015: 203-05.
33. Shivangi Shukla, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Formulation and evaluation of mouth dissolving tablet of enalapril maleate. **Int J Pharm Sci Res** 2015: 206-08.
34. Rubendra Kurmi, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Exploration of solid dispersion technique for enhancement of solubility. **Int J Pharm Sci Res** 2015: 221-223.
35. Shivangi Shukla, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Designing of fast disintegrating tablets for antihypertensive agent using superdisintegrants. **Res J Pharm Tech** 2016; 9(5): 527-532.
36. Indu Meshram, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Formulation and Evaluation of Ketoconazole Loaded Hydrogel for Topical Fungal Infections. **Asian Biomed Res** 2016; 2(3):95-99.
37. A Bhargava, **Dinesh K Mishra**, Subodh Jain, Rupesh Shrivastava, Nirmal Lohiya, Pradyumna K Mishra. Comparative assessment of lipid-based nano-carrier systems for dendritic cell-based targeting of tumor re-initiating cells in gynecological cancers. **Mol Immunol** 2016; 79:98-112. (Impact factor 3.4)
38. Alok Sharma, **Dinesh K Mishra**, Karunakar Shukla. Evaluation of Antioxidant Potential of Drakshavaleha: A Polyherbal Ayurvedic Formulation. **Asian Journal of Pharmaceutics** 2017; 11(4):331-335.
39. Arpit Bhargava, Shivani tamrakar, Aniket Aglawe, Harsha Lad, Rupesh K, **Dinesh K. Mishra** et al. Ultrafine particulate matter impairs mitochondrial redox homeostasis and activates phosphatidylinositol 3-kinase mediated DNA damage responses in lymphocytes. **Environmental Pollution** 2018; 234: 406-419(Impact factor 6.79).
40. Alok Sharma, **Dinesh K Mishra**, Karunakar Shukla. Comparative Hylauronidase enzyme activity of Ayurvedic formulation TriphalaGuggulu. **Research Journal of Pharmacy and Technology** 2018; 11(2):1-4.
41. Arpit Bhargava, Neelam Pathak, Sriram Seshadri, Neha Bunkar, **DineshKumar Mishra**, Nirmal K Lohiya, Pradyumna K. Mishra. Pre-clinical validation of mitotargeted nanoengineered flavonoids isolated from selaginella bryopteris (sanjeevani) as a novel cancer prevention strategy. **Anticancer Agents in Medicinal Chemistry** 2018; 18:1860-1874. (Impact factor 2.5)
42. S P Mishra, Amit Nayak, **Dinesh Kumar Mishra**. Design, Characterization and Anti-ulcerogenic Effect of Amoxicillin trihydrate Thiolated Chitosan Mucoadhesive Microspheres for Effective Treatment of H. pylori. **Journal of Drug Delivery & Therapeutics**. 2019; 9(4-s):418-425. DOI: <https://doi.org/10.22270/jddt.v9i4-s.3357>
43. Renu Singh, Kuldeep Vinchurkar, Surekha Dhokhane, **Dinesh K. Mishra**. Pharmacological and photochemical evaluation of plumeria obtusa (Linn.) leaves.

Pramana Research Journal 2019; 9(8): 198-206.

44. Deepika Bhawsar, Kuldeep Vinchurkar, Nadeem Farooqui, **Dinesh K. Mishra**. Formulation design and evaluation of granisetron loaded orodispersible film for the treatment of nausea and vomiting. **IAR Journal of Pharmacy, 2021;2(3): 1-7.**
45. Vaishali Barpete, Kuldeep Vinchurkar, **Dinesh K. Mishra**, Pankaj Dixit. Formulation design and evaluation of mucoadhesive buccal patch of ketorolac for the treatment of periodontitis. **International Journal of Innovative Science and Research Technology, 2021; 6(5): 256-265.**
46. Arpit Gawshinde, **Dinesh Kumar Mishra**, Neha Kamalpuria, Nadeem Farooqui, Surbhi Chourasia. Formulation, optimization and evaluation of polyherbal anti-dandruff shampoo. **Asian Journal of Pharmacy and Technology 2021;11(3):220-224.**
47. Aman Yadav, **Dinesh Kumar Mishra**, Pritesh Paliwal, Nadeem Farooqui, Arpit Gawshinde. Formulation and evaluation of polyherbal antiaging cream. **Asian Journal of Pharmacy and Technology 2021;11(4):284-288.**
48. Rekha Bisht, Arvind Dabi, Pankaj Dixit, **Dinesh K. Mishra**. An epidemiological observation of judicious use of antibiotics in Dhar district, (M.P.) India. **Indian Journal of Pharmacy Practice 2021;14(2):102- 105.**
49. Gurmeet Chhabra, Aayushi Rajora, **Dinesh K. Mishra**. Stability indicating RP-HPLC method for the determination of tenofovir in pharmaceutical formulation. **Research Journal of Pharmacy and Technology 2021; 14(12): 6335-6339.**
50. Sakshi Chouhan, Nadeem Farooqui, **Dinesh K. Mishra**. Formulation and evaluation of liposomal loaded nail lacquer containing luliconazole an antifungal drug. **Asian Journal of Pharmacy and Pharmacology 2021;7(3):131-137.**
51. Himani Jaisinghani, Nadeem Farooqui, **Dinesh K. Mishra**. Formulation and evaluation of solid dispersion incorporated fast disintegrating tablet of antiemetic drug. **International Journal of Creative Research Thoughts 2021; 9(6): d23-d41.**
52. Pritesh Paliwal, Darshan Jamindar, Nadeem Farooqui, Pankaj Dixit, **Dinesh K. Mishra**. Adaptogenic activity of alcoholic extract of solanum xanthocarpum (schrad. & wendl.) **International Journal of Botany Studies 2022; 7(1): 103-106.**

Review Articles

1. 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.(Impact factor 5.43)**
2. Manoj Nahar, Tathaguta 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 Syst2006; 23(4): 259-318. (Impact factor 5.36)**
3. 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. (Impact factor 7.9) Review**
4. 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. (Impact factor 0.75) Review**

5. 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. (Impact factor 5.36) Review
6. V Dubey, **D Mishra**, M Nahar, NK Jain. Novel methothrexate-based topical therapies for effective treatment of psoriasis. **Clinical Dermatology Sep 2008**.
7. **Dinesh Mishra**, Anuja Mishra, Vaibhav Dubey, Karunakar Shukla. Transdermal Immunization: A Recent Tool for Immunization. *Research J Pharm Tech* 2010 3(4):964- 69.
8. 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. (Impact factor 0.86)**
9. Arpit Bhargava, **Dinesh Mishra**, Smita Banerjee, Pradyumna K Mishra. Dendritic cell engineering for tumor immunotherapy: from biology to clinical translation. **Immunotherapy 2012; 4(7): 703-18. (Impact factor 2.0)**
10. **Dinesh K Mishra**, Vinod Dhote, Punit Bhatnagar, Pradyumna K Mishra. Engineering solid lipid nanoparticles for improved drug delivery: promises and challenges of translational research. **Drug Deliv Transl Res 2012; 2(2):238-53. (Impact factor 1.8)**
11. **Dinesh K Mishra**, V Dhote, PK Mishra. Transdermal immunization: biological framework and translational perspectives. **Expert opinion on drug delivery**, 2013;10(2):183-200. (Impact factor 5.43)
12. A Bhargava, **D Mishra**, S Banerjee, PK Mishra. Engineered dendritic cells for gastrointestinal tumor immunotherapy: opportunities in translational research. **J Drug Target 2013;21(2):126-36. (Impact factor 2.8)**
13. Punit Bhatnagar, Vinod Dhote, S C Mahajan, P K Mishra, **Dinesh K Mishra**. Solid dispersion in pharmaceutical drug development: From basics to clinical applications. **Current drug delivery 2014;11(2):155-171. (Impact factor 1.4)**
14. Vinod Dhote, S C Mahajan, **Dinesh K Mishra**. Opportunities and challenges in pharmacy profession in developing countries like India: an overview. **J der PharmazieForschung 2013; 2 (1) Review**
15. A Bhargava, Neha Bunkar, Naveen Khare, **D Mishra**, PK Mishra. Nanoengineered strategies to optimize dendritic cells for gastrointestinal tumor immunotherapy: from biology to translational medicine. **Nanomedicine (London) 2014; 9(14):2187-2202. (Impact factor 4.9) Review**
16. **Dinesh Kumar Mishra**, Vinod Dhote, Arpit Bhargava, Dinesh Kumar Jain, Pradyumna Kumar Mishra. Amorphous solid dispersion technique for improved drug delivery: basics to clinical applications. **Drug Del Transl Res 2015;5(6):552-565. (Impact factor 1.8)**
17. Vinod Dhote, Kanika Dhote, **Dinesh Kumar Mishra**. Floating gastro retentive systems: a potential emergence to oral drug delivery system. *Asian J Pharm Edu Res* 2015; 4(2):30-51.
18. Kanika Dhote, Vinod Dhote, **Dinesh Kumar Mishra**. Management of diabetes mellitus: herbal remedies. **Asian J Biomedical Res 2015; 1(1):12-16.**
19. Shivangi Shukla, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. New insights in the field of fast dissolving tablets. *J Hormonized Res Pharm* 2015; 4(2): 213-226.
20. Rubendra Kurmi, **Dinesh Kumar Mishra**, Dinesh Kumar Jain. Solubility enhancement of a poorly aqueous soluble drug using solid dispersion technique. *J Hormonized Res Pharm* 2015; 4(4): 329-336.
21. Vinod Dhote, Kanika Dhote, **Dinesh Kumar Mishra**, Subhendu Mishra. Dendrimer: novel strategies for drug delivery system. *Asian J Pharm Edu Res* 2015; 4(4):1-18.
22. **Dinesh Kumar Mishra**, Neelam Balekar, P K Mishra. Nano-engineered strategies for

- siRNA delivery: from target assessment to cancer therapeutic efficacy. **Drug Del Trans Res** 2017; 7:346-358. (Impact factor 1.8)
23. Anuja Rode, Sanjay Sharma, **Dinesh K. Mishra**. Carbon Nanotubes: Classification, Method of Preparation and Pharmaceutical Application. **Current Drug Delivery** 2018; 15(5):620-29. (Impact factor 2.5)
 24. Anuja Rode, Sanjay Sharma, **Dinesh K. Mishra**. Nanocarriers: A Novel Approach for Enhanced Drug Delivery through Skin. **Asian Journal of Pharmaceutics** 2018; 12(1):S13- S20.
 25. **Dinesh K. Mishra**, Ruchita Sandilya, P. K. Mishra. Lipid based nanocarriers: A translational perspective. **Nanomedicine: Nanotechnology, Biology, and Medicine** 2018; 14(7):2023-50. (Impact factor 5.91)
 26. Santosh Shinde, Gaurav K Saraogi, **Dinesh K Mishra**. Nanocarriers for effective siRNA delivery. **Research Journal of Pharmacy & Technology** 2018; 11 (9):4166-4172.
 27. AkshantKumawat, Prachi Dapse, Narendra Kumar, **Dinesh Kumar Mishra**, Rahul Maheshwari, Pallab Bhattacharya, Rakesh Kumar Tekade. Budding Alliance of Nanotechnology in RNA Interference Therapeutics. **Current Pharmaceutical Design** 2018; 24(23):2632-2643. (Impact factor 3.116)
 28. Neha Bunkar, Ruchita Shandilya, Arpit Bhargava, Ravindra M. Samarth, *Rajnarayan Tiwari*, **Dinesh Kumar Mishra**, Rupesh Kumar Srivastava, RadheyShyam Sharma, Nirmal K Lohiya, Pradyumna K. Mishra. Nano engineered flavonoids for cancer protection. **Frontiers in Bioscience** 2019; 24/1097-1157. (Impact factor 2.7)
 29. Arpit Bhargava, Rupesh Kumar Srivastava, **Dinesh Kumar Mishra**, Rajnarayan Tiwari, RadheyShyam Sharma, and Pradyumna Kumar Mishra. Dendritic cell engineering for selective targeting of female reproductive tract cancers. **Indian Journal of Medical Research** 2019; 148:50-63.(Impact factor 1.5)
 30. Sanjay Sharma, Ketan Hatware, Prashant Bhadane, Sainath Sindhikar, **Dinesh Kumar Mishra**. Recent advances in microneedle composites for biomedical applications: Advanced drug delivery technologies. **Material Science and Engineering C** 2019; 103:109717. (Impact factor 7.32)
 31. Anish Chandekar, **Dinesh K. Mishra**, Sanjay Sharma, Gaurav K. Saraogi, Umesh Gupta, Gaurav Gupta. 3D Printing Technology: A New Milestone in the Development of Pharmaceuticals. **Current Pharmaceutical Design** 2019; 25(9): 937-945. (Impact factor 3.116)
 32. Pradyumna K Mishra, Arpit Bhargava, **Dinesh K Mishra**, Nirmal Kumar Lohiya, Rajnarayan Tiwari, Irina Yu Goryacheva. Immune cell engineering: opportunities in lung cancer therapeutics. **Drug Delivery and Translational Research** 2020; 10: 1203-1227. DOI: 10.1007/s13346-020-00719-2 (Impact factor 4.61)
 33. PritiTagde, Giriraj Kulkarni, **Dinesh Kumar Mishra**, Prashant Kesharwani. Recent advances in folic acid engineered nanocarriers for treatment of breast cancer. **Journal of Drug Delivery Science and Technology**, 2020; 56:101613. (Impact factor 3.92)
 34. **Dinesh Kumar Mishra**, Noopur Maheswari, NeeleshMaheswari, Vinod Dhote. Carbon Nanotubes and drug delivery. **eLS Journal** May 2020 <http://www.els.net>; DOI: 10.1002/9780470015902.a0028890.
 35. Pankaj Dixit, Rohit Sahu, **Dinesh Kumar Mishra**. Marble-burying behavior test as a murine model of compulsive-like behavior. **Journal of Pharmacological and Toxicological Methods**, 2020, 102, 106676. (Impact factor 1.95)
 36. S P Mishra, Amit Nayak, **Dinesh Kumar Mishra**, Abhay Kumar. Gastroretentive Mucoadhesive Microsphere for the Management of Gastric Infection. **Journal of Drug Delivery & Therapeutics**. 2019; 9(4-s):680-686. DOI:

<https://doi.org/10.22270/jddt.v9i4-s.3357>.

37. Kuldeep Vinchurkar, **Dinesh K. Mishra**, Sheetal Mane, Jitendra Sainy, Masheer Ahmed Khan, Pankaj Dixit. Features and facts of gastroretentive drug delivery system- a review. **Turkish Journal of Pharmaceutical Sciences** 2021. **10.4274/tjps.galenos.2021.44959(Impact factor 0.95)**
38. Gaurav Patidar, Hemant Saini, Kuldeep Vinchurkar, **Dinesh K. Mishra**. Radiopaque diagnostic agents. **World Journal of Pharmaceutical Research** 2019;8(12):859-875.
39. Hemant Saini, Kuldeep Vinchurkar, Gaurav Patidar, **Dinesh K. Mishra**. Multifunctional envelope type nanodevice for nanomedicine. **International Journal of Research and Analytical Reviews** 2019;6(2): 530-540.
40. Surekha Dhokhane, Kuldeep Vinchurkar, Renu Singh, **Dinesh K. Mishra**. Eradication of pediatric HIV-1 infection: a review on progress and challenges. Research Chronicler, **International Multidisciplinary Journal** 2019; 7(7): 1-17.
41. Sudhanshu Singh, Kuldeep Vinchurkar, Pankaj Dixit, **Dinesh K. Mishra**. Formulation design and evaluation of 3D printed tablet of cinnarizine by fused deposition modeling technique. **International Journal of Creative Research Thoughts** 2021; 9(4): 5880-5897.
42. Soma Patnaik, Bapi Gorain, Santwana Padhi, Hira Choudhary, Gamal A, Shadab, **Dinesh K. Mishra**, Prashant Kesharwani. Recent uptake of toxicity aspects of nanoparticulate systems for drug delivery. **European Journal of Pharmaceutics and Biopharmaceutics** 2021; **161: 100-119. (Impact factor 5.57)**
43. Rekha Bisht, Mangal Jyoti Das, Pankaj Dixit, **Dinesh K. Mishra**. Covid-19: an emerging global threat. **Research and Reviews: A Journal of Immunology** 2021; 11(3):8-19.
44. Anjali Jaiswal, Nadeem FarooPrqui, Darshan Jamindar, **Dinesh K Mishra**. Microneedle- based transdermal insulin delivery system. **International Journal of Engineering Applied Science and Management** 2021;2(12): 1-6.
45. Priya Jain, Kuldeep Vinchurkar, Saloni Yadav, Gurmeet S Chhabra, **Dinesh K. Mishra**. Green chemistry: current applications in pharmaceutical industry. **Dogo Rangsang Research Journal** 2022;12(10):155-164.
46. Sanjay Sharma, Rupesh K. Gautam, Abhishek Kanugo, **Dinesh Kumar Mishra**, Mohammad Amjad Kamal. Current synopsis on siRNA therapeutics as a novel anti-cancer and antiviral strategy: Progress and challenges. **Current Pharmaceutical Biotechnology** 2022 (In press) (Impact factor 2.83) DOI: **10.2174/1389201023666220516120432**
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51. Arti Majumdar, Komal Mahajan, Deepika Bhawsar, **Dinesh Mishra**. 3D printing: a

- promising revolutionary technology in pharmaceutical drug development and health care. **International Journal of Pharmaceutical Sciences and Nanotechnology** 2023;16(5):6337-6349.
52. Nupur Maheshwari, Neelesh Maheshwari, **Dinesh Kumar Mishra**, Anju Goyal. Phytotherapeutic potential of natural herbal medicines for management of psoriasis: current status. **Pharmacognosy Research** 2023;15(1):42-55.
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Patents

1. A 3D printing method with a novel way of drug loading, Application No., 202221036622 A, 2022. (**Granted**)
2. Process for fabrication of laboratory scale microneedles, Application No.202121017236, 2021. (**Granted**)
3. Apparatus and method for studying absorption kinetics of chemicals across everted and normal intestine pieces of laboratory animals, Application No.202121009047 A, 2021. (**Published**)
4. A method to fabricate gastroretentive floating tablet case using fused deposition model (FDM) 3D printing, Application No. 202321033401, 2023. (**Published**)

Recent Books/ Book Chapters

1. Physical Pharmaceutics-II, First edition, 2023 by Gyan Publications Meerut.
2. Practical book of Instrumental Methods of Analysis, First edition, 2020 by Nirali Prakashan, Pune.
3. A Textbook of Instrumental Methods of Analysis, First edition, 2019 by Paging Publishers, New Delhi.
4. A Handbook of Practical Pharmaceutics-I, First edition, 2019 by Career Publications, Nashik Maharashtra, India.
5. Handbook of Practical Pharmaceutics for Postgraduates, First edition, 2018 by Vallabh Prakashan, Delhi.
6. International book “Development and optimization of novel controlled release micropellets” 2017 by Lambert Academic Publishing, Germany.
7. Authored book entitled “Bioadhesion: Approaches to drug delivery” 2016 by PharmaMed Press, Hyderabad, India.
8. Book chapter entitled “Toxicokinetics and organ specific toxicity” in a book entitled “Essentials of Pharmatotoxicology in Drug Research” Vol I, 2023, p. no. 267-288 by Elsevier (Academic Press).
9. Book chapter entitled “Transdermal drug delivery” in a book entitled “Controlled and Novel Drug Delivery” Second edition, 2023, p. no. 469-509 by CBS Publishers, New Delhi.
10. Book chapter entitled “New emerging technologies for genetic toxicity testing” in a book entitled “Pharmacokinetics and Toxicokinetic Considerations - Vol II”, 2022, p.no. 175-219 by Elsevier (Academic Press).
11. Book chapter entitled “Biomarkers of oxidative stress induced cancer” in a book entitled “Handbook of Oxidative Stress in Cancer: Mechanistic Aspects” 2022, p. no.681-694 by Springer.
12. Book chapter entitled “From the nose to the brain, nanomedicine drug delivery” in a book entitled “Theory and Applications of Nonparenteral Nanomedicines”, 2020, p.no.

153-180 by Elsevier (Academic Press).

13. Book chapter entitled “Nanocomposite for cancer targeted drug delivery” in a book entitled “Applications of Nanocomposite materials in drug delivery”, 2018, p.no. 323-335 by Elsevier (Woodhead publishing).
14. Book chapter entitled “Levels of drug targeting” in a book entitled “Dosage form design parameters: Advances in Pharmaceutical Product Development and Research” First edition, 2018, p. no.269-306 Academic Press, Elsevier.
15. Book chapter entitled “Bio-Nanotechnology in pharmaceutical research” in a book entitled “Dosage form design parameters: Advances in Pharmaceutical Product Development and Research” First edition, 2018, p.no. 449-472, Academic Press, Elsevier.
16. Book chapter entitled “Use of polymers in controlled release of active agents” in a book entitled “Dosage form design parameters: Advances in Pharmaceutical Product Development and Research” First edition, 2018, p.no. 113-172, Academic Press, Elsevier.
17. Book chapter entitled “Fundamentals of polymers science applied in Pharmaceutical Product Development” in a book entitled “Dosage form design parameters: Advances in Pharmaceutical Product Development and Research” First edition, 2018, p.no. 85-112, Academic Press, Elsevier.
18. Book chapter entitled “Cutaneous and transdermal drug delivery: Techniques and Delivery systems” in a book entitled “Dosage form design parameters: Advances in Pharmaceutical Product Development and Research” First edition, 2018, p.no. 595-650, Academic Press, Elsevier.
19. Book chapter entitled “Ethosomes: A Novel Carrier for Dermal or Transdermal Drug Delivery” in a book entitled “Carrier-Mediated Dermal Delivery: Applications in the Prevention and Treatment of Skin Disorders” First edition, P. 357-383 by Pan Stanford Publishing, Singapore.
20. Book chapter entitled “Transdermal Drug Delivery Systems” in a book entitled “Novel carriers for drug delivery” First edition, 2015, P. 217-256 by PharmaMed Press, Hyderabad, India.
21. Book chapter entitled “Solid Lipid Nanoparticles: A Promising Colloidal Carrier” in a book entitled “Novel carriers for drug delivery” First edition, 2015, P. 278-301 by PharmaMed Press, Hyderabad, India.

Research Supervision

PhD	01- Awarded
	01 Submitted
	03 Pursuing
PG	51

Administrative Responsibilities

- Principal- 04 Years
- HOD, M. Pharm (Pharmaceutics)-08 Years
- Exam Center Superintendent- 02 Years
- Academic in-charge -02 Years

Additional Information

- Life member, Association Pharmaceutical Teachers of India (APTI) [MP/LM-277]
- Life member, Indian Pharmaceutical Association (IPA) [MP/IND/ON/LM/000004]
- Life member, The Indian Science Congress Association (ISCA)[L37643]
- Life member, Indian Pharmaceutical Graduate Association (IPGA) [4285]
- Life member, Association of Pharmacy Professionals (APP)[MP/LM-002H/11]
- Life member, Society of Pharmaceutical Education and Research (SPER)[LM/MP/021]
- Life member, Indian Society for the Study of Reproduction & Fertility (ISSRF) [LM 1562]