

Neelesh Kumar Mehra, Ph.D, PostDoc (US)
(Assistant Professor of Pharmaceutics)
Pharmaceutical Nanotechnology Research Laboratory
Department of Pharmaceutics
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PROFESSIONAL SUMMARY

- A competent professional with over **12-13 years** of parenteral formulation and development in pharmaceutical sciences field.
- To teach and mentor the Master of Science (MS) and PhD, Postdoctoral students for their research and dissertation projects.
- To engage the experiment, practical and classroom teaching to MS and PhD students of pharmaceutics and Biopharmaceutics including drug delivery, regulatory affairs, IPR etc.

RESEARCH AND PROFESSIONAL EXPERIENCES

- | | |
|---|------------------------------|
| (1)Assistant Professor
Pharmaceutics & Biopharmaceutics
NIPER, Hyderabad, INDIA | Jan 2020-continued... |
| (2) Manager
Sentiss Research Centre
Udyog Vihar, Phase-IV, Gurgaon, Haryana | Aug 2019- JAN 2020 |
| (3)Senior Research Scientist
Sentiss Research Centre
Udyog Vihar, Phase-IV, Gurgaon, Haryana | Dec. 2016- AUG 2019 |
| (4)Post-doctoral Research Associate
Irma Lerma Rangel College of Pharmacy
Texas A & M Health Science Center, Kingsville, TX, USA
Research Advisor: Srinath Palakurthi, Ph.D (Professor, Ph.D) | July 2015- Dec. 2016 |
| (5)Associate Professor
Department of Pharmaceutics
ISF College of Pharmacy
Moga, Punjab INDIA | July 2014-July 2015 |
| (6)Doctor of Philosophy (PhD) in Pharmaceutical Sciences
Department of Pharmaceutical Sciences, Dr. H. S. Gour University, Sagar, India
Project Title: <i>Engineered Carbon nanotubes for Targeting of Anticancer Bioactives</i>
Research Advisor: Prof. N. K. Jain | 2011-2014 |
| (7)Lecturer
Pharmacy College, Bhopal INDIA | Feb 2008-Dec 2010 |

(8) Master of Pharmacy (M Pharm) in Pharmaceutics 2005-2007
Department of Pharmaceutical Sciences, Dr. H. S. Gour University, Sagar, India

(9) Bachelor of Pharmacy (B Pharm) 2001-2005
Department of Pharmaceutical Sciences, Dr. H. S. Gour University, Sagar, India

SPONSORED RESEARCH PROJECTS

1. Research Grant "Development of Novel Eye Drops of fixed dose combination for Effective Ocular Delivery" from Department of science and technology (DST), New Delhi under Nanoscience Scheme F. no. DST/NM/NS/2021/405; Role: Principal Investigator (PI) ongoing (GAP_47) 2021-2024
2. Research grant titled "Development and Evaluation of Functional Nanoformulations for Effective Management of Colorectal Cancer" from Department of Science and Technology (DST), New Delhi Under DST Inspire program for the duration 2021-2025. Ongoing (GAP_66) 2021-2025
3. Research Grant "Therapeutic Potential of the Nanoformulations for Wound Healing Activity in Diabetic Foot Ulcer" from Department of science and technology (DST), New Delhi under Start-up research grant (SRG) F. no. SRG/2021/000708, Role: Principal Investigator (PI) Ongoing. (GAP-54) 2021-2023
4. Research grant "Pharmacological activities and pre-clinical screening of the promising unani medicines against hepatic disease" from Central Council of Research in Unani Medicine (CCRUM), New Delhi India, F. No. 3-12/2021-CCRUM/Tech (Started JUN 2021-Jun 2024). Role: Principal Investigator (PI) ongoing. (GAP-48)

INDUSTRY SPONSORED RESEARCH PROJECT

5. Research Project title "Development of Healthy Beverage" from QSPC Pvt Ltd, Hyderabad Completed. FY 2023-24. (IAP_27).
6. Research Project title "Formulation Development and analytical Characterization of N-Acetyl Cysteine with cephapirin Benzathine and Ceftiofur Sodium and Ceftiofur Hydrochloride salts Intrauterine dosage form" from HEKA Pharm Pvt Ltd, Hyderabad FY 2023-24 (IAP_xx).

Project Completed

7. Research grant "*Formulation, Development, Evaluation and Assessment of Safety and toxicity of Unani Herbal toothpaste (Sunoon-e-Mustahkam-e-Dandan)*" from CCRUM, New Delhi. (Completed; JAN 2021-JUN 2021). Role: Principal Investigator (PI) Completed (GAP-34)
8. Research grant entitled "*Development, Evaluation and Characterization of Hydrophobic Nanoparticles Impregnated Fabrics to be Assessed as Dress Material*

for Defense" from DRL, DRDO, Tejpur, India (Jan 2020-Dec 2020). Co-Principal Investigator (Co-PI) Completed.

Technology Transfer

- ❑ Technology transfer on "*Formulation, Development, Evaluation and Assessment of Safety and toxicity of Unani Herbal toothpaste (Sunoon-e-Mustahkam-e-Dandan)*" to the Central Council of Research in Unani Medicine (CCRUM), New Delhi. Role: Principal Investigator (PI) (GAP_34).

Patents Filed/Granted

1.Valamla B.; Panwar P.; Kumar A.; Thakor.; Singh SB.; **Mehra NK.**; (2020). Stable Pharmaceutical Composition of Ferulic Acid and Essential Oil Particulate Emulsified Systems and Method thereof. Indian Patent 202041049335 (**Granted 06 Jan 2023**).

2.Pratik K Kharat.; Dalvi M.; Valamla B.; Thakor P.; Geetanjali.; Godugu C.; Singh SB.; **Mehra NK.**; (2020). Pharmaceutical Composition of Thymoquinone and Essential Oil Particulate Emulsified Systems and Method Thereof. Indian Patent: [IN202041054610](#) **Granted 09 March, 2023**

3. Srivastava V.; Nair V.S.; Yadav R.; Valamla B.; Rajana N.; Singh SB.; **Mehra NK.**; Enhanced Permeation and Pharmaceutical Composition of Carbonic Anhydrase Inhibitor Loaded Ultradeformable Bile Salts Stabilized Vesicular System. Indian Patent. 202341004305 (filing date 21 Jan 2023).

BOOKS EDITED/PUBLISHED

1. Dendrimers in Nanomedicine: Concept, Theory and Regulatory Perspectives. Publisher: CRC Press, UK. Editor(s) **Dr. Neelesh Kumar Mehra** & Dr. Keerti Jain. First Edition. 03 Feb, 2021. ISBN no.: 9780367466053.
2. Micro- and Nano-technologies: Concept, advancement and applications. Publisher: CRC Press, UK. Editor(s) **Dr. Neelesh Kumar Mehra** & Dr. Arvind Gulbake. First Edition. 2022.
3. Multifunctional Nanocarriers". Editer(s). **Dr. Neelesh Kumar Mehra**, Dr, Jitender Madan, Dr Saurabh Srivastava, Dr Pankaj Kumar Singh. Publisher: Elsevier Pvt. Ltd. First Edition. 2022.



PEER REVIEWED PUBLICATIONS

h-index: 34; i-10 index: 56 (as on March, 2023) Total citation >3200

Cumulative impact factor >400 Note: *Indicate for corresponding author

YEAR 2023

1. Vaibhavi Srivastava , Padakanti Sandeep Chary , Naveen Rajana , Ekta R. Pardhi , Vivek Singh, Dharmendra Khatri , Shashi Bala Singh, **Neelesh Kumar Mehra***. Complex ophthalmic formulation technologies: Advancement and future perspectives. J Drug Deliv Sci Technol. 2023. 104317, doi:https://doi.org/10.1016/j.jddst.2023.104317. (Impact factor 5.062).
2. Safiya Sulthana, Padakanti Sandeep Chary, Valamala Bhavana, Ekta Pardhi, Shashi Bala Singh, **Neelesh Kumar Mehra.*** Development and evaluation of emulgel for Effective Management of the Imiquimod Induced Psoriasis. Inflammopharmacology. 2023 Jan 7. doi: 10.1007/s10787-022-01131-7 (Impact Factor 5.0093).
3. Purva Pingle, Atul Mourya, Madhulika Namdeo, Katta Chanti Babu, Harithasree Veerabomma, Radheshyam Maurya, Pankaj Kumar Singh, **Neelesh Kumar Mehra**, Saurabh Srivastava, Jitender Madan. Andrographolide-Soya-L- α -phosphatidyl choline complex augmented solubility and drug delivery in Leishmania donovani, a causative agent for cutaneous and visceral leishmaniasis. AAPS PharmSciTech. 2023 in press, (Impact factor 4.026).
4. Arti Mehndole, Nitita Walke, Srusti Mahajan, Mayur Alhare, Indrani Maji, Ujala Gupta, **Neelesh Kumar Mehra**, Pankaj Kumar Singh. Core-shell type lipid and polymeric nanocapsules: The Transformative Multifaceted Delivery System. AAPS PharmSciTech. 2023 in press, (Impact factor 4.026).

- Pratik Kharat, Padakanti Sandeep Chary, Naveen Rajana, Valamla Bhavana, Geetanjali, Chandraiah Godugu, Shashi Bala Singh, **Neelesh Kumar Mehra***. Thymoquinone Loaded Essential Oil Based Emulgel as an armament for Anti-psoriatic Activity. AAPS PharmSciTech. 2022; 24: 26. (Impact factor 4.026). doi 10.1208/s12249-022-02482-8.

YEAR 2022

- Vaishnavi A. Bhosale†, Vaibhavi Srivastava†, Bhavana Valamla, Rati Yadav, Shashi Bala Singh, **Neelesh Kumar Mehra***. Preparation and evaluation of modified chitosan nanoparticles using anionic sodium alginate polymer for treatment of ocular disease. *Pharmaceutics* 2022, 14, 2802. <https://doi.org/10.3390/pharmaceutics14122802> (Impact factor 6.52).
- Naveen Rajana, Padakanti Sandeep Chary, Valamla Bhavana, Anuradha Urati, Dharmendra Khatri, Shashi Bala Singh, **Neelesh Kumar Mehra***. Multifunctional Hybrid Nanoparticles in Diagnosis and Therapy of Breast Cancer. *J Controlled Release*. 2022; 352: 1024–1047 (**impact factor 11.6**)
- Padakanti Sandeep Chary, Naveen Rajana, Valamla Bhavana, Geetanjali, Hoshiyar Singh, Chandraiah Godugu, Santosh K Guru, Shashi Bala Singh, **Neelesh Kumar Mehra**. Design, Fabrication and Evaluation of Stabilized Polymeric mixed micelles for Effective Management in Cancer Therapy. *Pharm Research*. 2022 In press. (Impact factor 4.67).
- Padmashri Naren, Anjali Cholkar, Suchita Kamble, Sabiya Khan, Srivastava S, Jitender Madan, **Neelesh Kumar Mehra**, Vinod Tiwari, Dharmendra Khatri. Pathological and therapeutic advances in parkinson's disease: Mitochondria in the interplay. *J Alzheimer Disease*. 2022. In pres impact factor 4.27.
- Kanan Panchal, Sumeet Katke, Sanat Kumar Dash, Ankit Gaur, Aishwarya Shinde, Nithun Saha, **Neelesh Kumar Mehra**, Akash Chaurasiya. An Expanding Horizon of Complex Injectable Products: Development and Regulatory Considerations. *Drug Delivery and Translational Research*. 2022 14;1-40. doi: 10.1007/s13346-022-01223-5. (Impact factor 5.671).
- Ankaj Kumar, Valamla Bhavana, Thakor P, Padakanti Sandeep Chary, Naveen Rajana, **Neelesh Kumar Mehra***. Development and Evaluation of Nanocrystals Loaded Hydrogel for Topical Application . *J Drug Delivery science Technology*. 2022 74: 103503 (Impact factor 5.062)
- Deepa Nakmode, Valamla Bhavana, Pradip Thakor, Jitender Madan, Pankaj Kumar Singh, Shashi Bala Singh, Jessica M. Rosenholm, Kuldeep K. Bansal, **Neelesh Kumar Mehra***. Fundamental Aspects of Lipid-Based Excipients in Lipid-Based Product Development. *Pharmaceutics*. 2022; 14 (831) 1-28 (Impact factor 6.525)
- Sharma R, Kuche K, Thakor P, Bhavana V, Srivastava S, **Mehra NK**, Jain S. Chondroitin Sulfate: Emerging biomaterial for biopharmaceutical purpose and tissue engineering. *Carbohydrate Polymer*. 2022; 286: 119305 (Impact factor **10.723**).
- Valamla B, Thakor P, Phuse R, Dalvi M, Kharat P, Kumar A, Panwar D, Singh SB, Giorgia P, **Mehra NK***. Engineering drug delivery systems to overcome the vaginal

mucosal barrier: Current understanding and research agenda of mucoadhesive formulations of vaginal delivery. *Journal of Drug Delivery Sci. Technol.* 2022; 70: 103162 (Impact factor: 5.062).

15. Ayusha Dandekar, Natasha Ajokwar, Chanti Katta, Dharmendra Khatri, Vaskuri GS Sainaga Jyothi, Rupinder Kaur sodhi, **Neelesh Kumar Mehra***, Shashi Bala Singh, Jitender Madan. Inhalable polymeric micro and nano-immunoadjuvants for developing therapeutic vaccines in the treatment of non-small cell lung cancer. *Curr Pharm Design.* 2022;28(5):395-409 (Impact factor 3.31).

YEAR 2020-2021

16. Tiwari R, Sethiya NK, Gulbake AS, **Mehra NK***, Murthy USN, Gulbake. A review on albumin as a biomaterial for ocular drug delivery. *Int J Biol Macromolecules.* 2021.; 191:591-599. doi: 10.1016/j.ijbiomac.2021.09.112.(**impact factor 8.025**).
17. Mayuri Dalvi, Pratik Kharat, Pradip Thakor, Valamla Bhavana, Shashi Bala Singh, **Neelesh Kumar Mehra***. Panorama of Dissolving Microneedles for Transdermal Drug Delivery. *Life Sciences.* 2021; 284: 119877 (Impact factor: 6.78).
18. Nene S, Shah S, Rangaraj N, **Mehra NK**, Singh PK, Srivastava S. Lipid based Nanocarriers: A Novel Paradigm for Topical Antifungal Therapy. *J Drug Deliv Science Technol.* 2021; 62: 102397. (Impact factor: 5.062).
19. Sheela Modani, Devendrasingh Tomar, Suma, Anitha Sriram, Rahul Kumar, Dharmendra Khatri, **Neelesh Kumar Mehra**, Pankaj K Singh*. An updated review on exosomes: biosynthesis to clinical applications. *Journal of Drug Targeting*, 2021; 12;1-16. Doi 10.1080/1061186X.2021.1894436 [Impact factor: 5.016].
20. **Neelesh Kumar Mehra***, Dendrimers in Nanomedicine. *Cutting Edge Mag.* 2021. April issue Page 16.
21. Diksha Gupta, Aishwarya Gandwar, Kiran Jyoti, Vaskuri GS Sainaga Jyothi, Rupinder Kaur sodhi, **Neelesh Kumar Mehra**, Shashi Bala Singh, Jitender Madan. Self healing hydrogels: a new paradigm immunoadjuvant for delivering peptide vaccine. *Colloids and Surface B : Biointerfaces.* 2020. 194: 111171 (1-11). (Impact factor : 5.99).
22. Sheshank Sethi, Shalki Choudhary, Deepika Sharma, Vaskuri G S Sainaga Jyothi, Ashish Baldi, **Neelesh Kumar Mehra** Jitender Madan, Armamentarium of anticancer analogues of curcumin: Portray of structural insight, bioavailability, drug-target interaction and therapeutic efficacy. *J Mol Structure.* 2021;1231:129691 (impact factor 3.841)
23. Pradip Thakor, Valamla Bhavna, Reena Sharma, Saurabh Srivastava, Shashi Bala Singh, **Neelesh Kumar Mehra***. Polymer-drug conjugates: recent advances and future perspectives. *Drug Discovery Today.* 2020 (1-10).(Impact factor : 8.369).
24. Harsha Jain, Arpita Bairagi, Saurabh Srivastava, Shashi Bala Singh, **Neelesh Kumar Mehra***. Recent advances in the development of microparticles for pulmonary administration. *Drug Discovery Today.* 2020 (1-10). (Impact factor: 8.369).
25. Pratheeksha KR, Kuldeep Bansal, Pradip Thakor, Valamla Bhavan, Jitender madan, Jessica M. Rosenholm, **Neelesh Kumar Mehra***. Evolution of nanotechnology in

delivering drugs to eyes, skin and wounds via topical route. *Pharmaceuticals*. 2020, 13, 167; doi:10.3390/ph13080167 (Impact factor : 5.21).

26. Valamla Bhavana, Pradip Thakor, Shashi Bala Singh, **Neelesh Kumar Mehra***. COVID-19: Pathophysiology, Treatment Options, Nanotechnology approaches, and Research agenda to Combating the SARS- CoV2 Pandemic. *Life Sciences*. 2020;261: 118336 (Impact factor 6.78).

*Most downloaded article in 2020



27. Pradip Thakor, **Neelesh Kumar Mehra***. Role of Topical Nanoparticles in vaginal drug delivery: an updates. *ISSRF Newsletter*. 2020: 26: ISSN 2395-2806.

PUBLICATION UPTO 2019

28. **Neelesh Kumar Mehra**, Jain NK. One Platform Comparison of Estrone and Folic acid Anchored Surface Engineered MWCNTs for Doxorubicin Delivery. *Molecular Pharmaceutics*. 2015; 12(2):630-43 (Impact factor: 5.364). ISSN No. 1543-8384.
29. Vaidya B. Gupta V. **Mehra NK**. Palakurthi S. Nintedanib-Cyclodextrin Complex to Improve Bio-Activity and Intestinal Permeability. *Carbohydrate Polymer*. 2019; 204: 68-77(Impact factor 10.723).
30. **Mehra NK**, Tekmal RR. Palakurthi S. Development and Evaluation of Talazoparib Nanoemulsion for systemic therapy of BRCA1-mutant cancer. *Anticancer Research*. 2018; 38: 4493-4503 (Impact factor: 2.435).
31. **Neelesh Kumar Mehra***, Jain NK. Cancer Targeting Propensity of Folate Conjugated Surface Engineered Multi-walled Carbon Nanotubes. *Colloids and Surface B: Biointerfaces*. 2015; 132(1): 17-26 (Impact factor: 5.99). ISSN No. 0927-7765
32. Hidau M, **Mehra NK**, Srikanth Kolluru, Palakurthi S. Cyclodextrin complexation of Meclizine Hydrochloride on the solubility for its repurposing. *Drug Deliv Lett*. 2017;7(1): 54-61.
33. Swati Singh, **Neelesh Kumar Mehra**, N.K. Jain. Development and characterization of the paclitaxel loaded riboflavin and thiamine conjugated carbon nanotubes for

- cancer treatment. Pharm Research. 2016 accepted (Impact factor: 4.58). ISSN No.0724-8741
34. Avleen Kaur, Keerti Jain, **Neelesh K. Mehra**, N.K. Jain. Development and characterization of surface engineered PPI dendrimers for targeted drug delivery. Artificial cell biology nanomed. 2017;45(3):414-425 (Impact factor: 6.355; Doi: 10.3109/21691401.2016.1160912.2016. ISSN No. 2169-1401.
 35. Kayat J, **Neelesh Kumar Mehra***, Gajbhiye V, Jain NK. Drug Targeting to Arthritic Region via Folic acid appended Surface Engineered Multi-walled Carbon Nanotubes. Journal of Drug Targeting. 2016; 24(4):318-2, [Impact factor: 5.016]. ISSN No. 1061-186X.
 36. Chopdey PK, Tekade RK, **Neelesh Kumar Mehra**, Mody N, Jain NK. Glycyrrhizin conjugated dendrimer and multi-walled carbon nanotubes for liver specific delivery of doxorubicin. J Nanoscience and Nanotechnology. 2015; 15(2):1088-100 (Impact factor: 1.354). ISSN No. 1533-4880
 37. **Neelesh Kumar Mehra***, Verma AK, Mishra PR, Jain NK. The Cancer Targeting Potential of D- α -tocopheryl polyethylene glycol 1000 succinate Tethered Multi Walled Carbon Nanotubes. Biomaterials. 2014; 35(15):4573-4588 (Impact factor: 15.863). ISSN No. 0142-9612
 38. Neha Bajwa, **Neelesh Kumar Mehra***, Jain K, Jain NK. Targeted anticancer drug delivery through anthracycline antibiotic bearing functionalized Quantum Dots. Artificial cell Biology Nanomed. 2016; 44(7):1774-82 (Impact factor: 6.355;. ISSN No. 2169-1401.
 39. Sumandeeep Kaur, **Neelesh Kumar Mehra***, Keerti Jain, NK Jain. Development and Evaluation of Targeting Ligand Anchored CNTs as Prospective Targeted Drug Delivery System. Artificial cell Biology Nanomed. 2017;45(2):242-250 (Impact factor: 6.355;. ISSN No. 2169-1401.
 40. Priyanka Sharma, Keerti Jain, NK Jain, **Neelesh Kumar Mehra***. Ex Vivo and In vivo performance of anticancer drug loaded carbon nanotubes. J Drug Deliv Sci Technol. 2017; 41: 134-143. (impact factor 5.062)
 41. Sonam Sharma, **Neelesh Kumar Mehra***, Keerti Jain & Narendra Jain. Effect of Functionalization on drug delivery potential of carbon Nanotubes. Artificial Cells, Nanomedicine, and Biotechnology 2016: 44(8):1851-1860 (Impact factor: 6.355 ISSN No. 2169-1401.
 42. Singh R, Kesharwani P, **Neelesh Kumar Mehra***, Singh S, Banerjee S, Jain NK. Development and Characterization of folate anchored Saquinavir entrapped PLGA nanoparticles for anti-tumor activity. Drug Dev Ind Pharmacy. 2015; 41(11):1888-901(Impact factor: 3.727). ISSN No. 0363-9045
 43. Mody N, Tekade RK, **Neelesh Kumar Mehra**, Chopdey P, Jain NK. Dendrimer, Liposomes, Carbon Nanotubes and PLGA Nanoparticles: One Platform Assessment

- of Drug Delivery Potential. AAPS PharmSciTech. 2015; 15(2):1088-1100 (Impact factor: 3.603). ISSN No. 1530-9932
44. Singh D, Rashid M, Hallan SS, **Neelesh Kumar Mehra***, Prakash A, Mishra N. Pharmacological evaluation of nasal delivery of selegiline hydrochloride loaded thiolated chitosan nanoparticles for the treatment of depression. Artificial Cells, Nanomedicine and Biotechnology. 2016 ;44(3):865-77(Impact factor: 6.355;. ISSN No. 2169-1401.
 45. Jain A, Jain K, **Neelesh Kumar Mehra***, Jain NK. Lipoproteins Tethered Dendrimeric Nanoconstructs for Effective Targeting to Cancer Cells. J Nanoparticles Res. 2013; 15(10):1-18 (Impact factor: 2.533). ISSN No. 1388-0764.
 46. Agrawal U, **Neelesh Kumar Mehra***, Gupta U, Jain N. K. Hyperbranched dendritic nano-carriers for topical delivery of dithranol. J Drug Target. 2013; 21(5): 497-5 [Impact factor: 5.016]. ISSN No. 1061-186X.
 47. Jain A, **Neelesh Kumar Mehra**, Nahar M, Jain NK. Topical Delivery of Enoxaparin Using Nanostructured Lipid Carrier. J Microencap. 2013;30(7):709-15 (Impact factor: 4.034). ISSN No. 0265-2048
 48. Singh R, Neelesh Kumar Mehra, Jain V, Jain NK. Folic acid conjugated carbon nanotubes for gemcitabine HCL delivery. Journal of Drug Targeting. 2013; 21(6): 581-592 [Impact factor: 5.016].
 49. Lodhi N, **Neelesh Kumar Mehra**, Jain NK. Development and characterization of dexamethasone mesylate anchored on multi walled carbon nanotubes. J Drug Targeting. 2013, 21(1) 67–76 [Impact factor: 5.016].
 50. Pruthi J, **Neelesh Kumar Mehra**, Jain NK. Macrophages targeting of amphotericin B through mannosylated multi walled carbon nanotubes. J Drug Target. 2012; 20(7):593-604 [Impact factor: 5.016].
 51. Jaspreet Singh, Keerti Jain, **Neelesh Kumar Mehra**, NK Jain. Effect of anticancer drug on delivery potential of PPPI Dendrimers. J Colloid Science and Biotechnology. 2015; 4, 133-140. 2164-9634 ISSN No. 2164-9634
 52. Gupta R, **Neelesh Kumar Mehra**, Jain NK. Fucosylated multiwalled carbon nanotubes for Kupffer cells targeting for the treatment of cytokine-induced liver damage. Pharm Research. 2014; 31(2): 322-334 (Impact factor: 4.56). 0724-8741. ISSN No. 0724-8741
 53. Gupta R, **Neelesh Kumar Mehra**, Jain NK. Development and Characterization of sulfasalazine loaded fucosylated PPI dendrimer for the treatment of cytokine-induced liver damage. Euro J Pharm Biopharm. 2014; 86(3):449-58 (Impact factor: 5.589). 0939-6411. ISSN No. 0939-6411
 54. **Neelesh Kumar Mehra**, Jain NK. Development, characterization and cancer targeting potential of surface engineered carbon nanotubes. Journal of Drug Targeting. 2013; 21(8): 745–758 [Impact factor: 5.016].ISSN No. 1061-186X.

55. Jain AK, **Neelesh Kumar Mehra**, Lodhi N, Dubey V, Mishra D, Jain NK. Carbohydrate-conjugated Multi Walled Carbon Nanotubes: Development and Characterization. *Nanomedicines:NBM*. 2009; 5(4):432-42 (Impact factor: 6.458). ISSN No. 1549-9634
56. Jain S, Singhai AK, Saraogi G, Mehra NK. Development and evaluation of sustained release matrix tablets of Lamivudine. *International Journal of Pharmaceutical Science and Research*. 2011;2(1); 454-461.
57. Singhai AK, Sharma D, Mehra NK, Saraogi GK, Mudgal V. Development and evaluation of rapid disintegrating tablets of ondansatrom hydrochloride. *International Journal Research App Pharm*. 2011; 2(1):259-263.
58. **Neelesh Kumar Mehra**, Jain K, Jain NK. Surface Engineered Carbon Nanotubes in Breast Cancer Therapy: Development and Characterization. *Nanotechnology Perspective and Prospect*. McGraw-Hill, USA. NanoSciTech, 2015 (Conference Proceeding).
59. Jain K, **Neelesh Kumar Mehra**, Jain NK. Targeted Delivery of Anticancer Drug with anti-angiogenic dendrimers for effective cancer Treatment. *Nanotechnology Perspective and Prospect*. McGraw-Hill, USA. NanoSciTech, 2015 (Conference Proceeding).
60. **Neelesh Kumar Mehra***, AK Jain, Nahar M. Carbon nanomaterials in oncology: an expanding horizon. *Drug Discovery Today*. 2018;23(5):1016-1025 (Impact factor: 8.369). ISSN No.1359-644
61. **Neelesh K. Mehra**, Defu Cai, Lih Kuo, Travis W. Hein, Srinath Palakurthi. Safety and toxicity of nanomaterials for ocular drug delivery applications. *Nanotoxicology*. 2016; 10(7):836-60; ISSN No.1743-5390 (Impact factor: 5.881).
62. **Neelesh Kumar Mehra**, Srinath Palakurthi. Interactions between carbon nanotubes and bioactives: A drug delivery perspective. *Drug Discovery Today*. 2016;21(4): 585-597 (Impact factor: 8.369). ISSN No.1359-6446
63. **Neelesh Kumar Mehra***, Jain K, Jain NK. Design of Multifunctional nanocarriers in delivery of anticancer therapy. *Current Pharmaceutical Design*. 2015; 21(42):6157-64 Impact factor: 3.311) ISSN No. 1381-6128.
64. **Neelesh Kumar Mehra***, Jain NK. Multifunctional Hybrid-carbon nanotubes: New horizon in Drug Delivery and Targeting. *Journal of Drug Targeting*. 2016; 24(4):294-308 Impact factor: 5.016].
65. Jain AK, **Neelesh Kumar Mehra***, Swarnakar NK. Role of antioxidants for the treatment of cardiovascular diseases: Challenges and opportunities. *Curr Pharm Design*. 2015;21(30):4441-55 (Impact factor: 3.331)
66. Sharma P, **Neelesh Kumar Mehra***, Jain K, Jain NK. Biomedical Applications of Carbon Nanotubes: A Critical Review. *Current Drug Delivery*. 2016; 13(6):796-817. (Impact factor: 3.758). ISSN no. 1567-2018.

67. **Neelesh Kumar Mehra***, Jain K, Jain NK. Pharmaceutical and Biomedical Application of Surface Engineered Carbon nanotubes. Drug Discovery Today. 2015; 20(6): 750-756 (Impact factor: 8.369). ISSN no. 1359-6446
68. Jain K, **Neelesh Kumar Mehra***, Jain NK. Potential and Emerging Trends in Nanopharmacology. Curr Opinion in Pharmacology. 2014; 15C:97-106 (Impact factor: 4.768).
69. Jaspreet Singh, Keerti Jain, **Neelesh Kumar Mehra**, NK Jain. Dendrimers in anticancer drug delivery: Mechanism of interaction of drug and dendrimers. Artificial cell Biology Nanomed. 2016;44(7):1626-34 (Impact factor: 6.355; ISSN No. 2169-1401).
70. **Neelesh Kumar Mehra**, Mishra V, Jain NK. A Review of Ligand Tethered Surface Engineered Carbon Nanotubes. Biomaterials. 2014; 35(4): 1267-**1283 (Impact factor: 15.863)**.
71. Jain NK, Mishra V, **Neelesh Kumar Mehra**. Targeted drug delivery to macrophages. Expert Opinion on Drug Delivery. 2013; 10(3): 353–367 (Impact factor: 8.129). ISSN no. 1742-5247
72. Bajwa N, **Neelesh Kumar Mehra***, Jain K, Jain NK. Pharmaceutical and biomedical application of quantum dots. Artificial cell Biology Nanomed. 2016 May;44(3):758-68. (Impact factor: 6.355).
73. Kaur D, Jain K, **Mehra NK**, Kesharwani P. Jain NK. Comparative study of PPI and PAMAM dendrimers. J Nanoparticle Res. June 2018;8:146. (Impact factor: 2.533).
74. Jain K, **Neelesh Kumar Mehra**, Jain NK. Nanotechnology: Safety and Toxicity Issues. Current Pharmaceutical Design. 2015; 21(29):4252-61 (Impact factor: 3.331).
75. **Neelesh Kumar Mehra**, Mishra V, Jain NK. Receptor based targeting of therapeutics. Therapeutic Delivery. 2013; 4(3):369-394. ISSN No. 2041-5990. (Impact factor: 4.7).
76. **Neelesh Kumar Mehra**, Jain AK, Lodhi N, Dubey V, Mishra D, Jain NK. Challenges in the use of Carbon Nanotubes for Biomedical application. Critical Review in Therapeutic Drug Carrier System. 2008.25(2):169-206 (Impact Factor: 4.889).
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BOOK CHAPTERS PUBLICATIONS

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2. **Mehra NK**, Jain K, Jain NK. Triazine Dendrimers. Biomedical Application "Encyclopedia of Biomedical Polymers and Polymeric Biomaterials". Edited By: Dr. Munmaya Mishra. Taylor and Francis, LLC 2014. DOI: 10.1081/E-EBPP-120049287.
3. **Mehra NK**, Jain NK. Functionalized Carbon nanotubes and Their Drug Delivery Applications. In section Nanostructured Drug Delivery. Multi Volume Nanomedicine. Edited By Prof. B. S. Bhoop. Studium Press, LLC USA. 2014. Vol. 4: 327-369.
4. **Mehra NK**, Jain NK. Drug Delivery Aspects of Carbon Nanotubes. In Chemical Functionalization of Carbon Nanomaterials: Chemistry and Applications. 2015 (Doi: K23939_C027.indd 628) Published by CRC Press Taylor & Francis. LLC. ISBN 9781482253948
5. Mehra N.K, Jain K, Jain NK. Multifunctional Carbon nanotubes in cancer therapy and Imaging. Volume VII: NanoBioMaterials in Cancer Therapy. 2015 Elsevier Pvt Ltd, USA)
6. Lalit Kumar, Shivani Verma, **Mehra NK**, Vaidya B. Multi-Volume SET (I-V) "Nanostructure for Antimicrobial Therapy. Therapeutic Nanostructures. 2016 Elsevier Pvt Ltd, USA ()).
7. Keerti Jain, **Mehra NK**, Jain NK. IPN Dendrimers in Drug Delivery" for publication in your book "Interpenetrating Polymer Network: Biomedical Applications" to be published by Springer Nature Publisher.2020. Editor Sougata Jana.
8. Valamla Bhavana, **Neelesh Kumar Mehra***, Keerti Jain. Dendrimers-Guest Interaction Chemistry and Mechanism. In Edited book Dendrimers Nanomedicine: Concept, Theory and Regulatory Perspectives. CRC Press, UK, 2021, Editor(s): Dr. Neelesh Mehra and Dr. Keerti Jain (Published).

9. Brajesh Ojha, Vineet Jain, **Neelesh Kumar Mehra**, Keerti Jain. Nanotechnology: introduction and basic concept. Dendrimers-Guest Interaction Chemistry and Mechanism. In Edited book Dendrimers Nanomedicine: Concept, Theory and Regulatory Perspectives. CRC Press, UK, 2021, Editor(s): Dr. Neelesh Mehra and Dr. Keerti Jain(Published).
10. Rahul Gauro, Vineet Kumar Jain, Harvinder Popli, **Neelesh Kumar Mehra**, Keerti Jain. Macromolecular Architecture and Molecular Modeling of Dendrimers. In Edited book Dendrimers Nanomedicine: Concept, Theory and Regulatory Perspectives. CRC Press, UK, 2021, Editor(s): Dr. Neelesh Mehra and Dr. Keerti Jain(Published).
11. Bhavnana Valamla, Pradip Thakor, Arvind Gulbake, Satish Shilpi and **Neelesh Kumar Mehra**. Micro- and Nanotechnologies Approaches: Concepts and Application. Micro and Nanotechnologies Based Product Development. Ed. Mehra NK, Gulbake A. CRC Press, UK. 2021. (Published)
12. Satish Shilpi, Kapil Khatri, Umesh Dhakad, **Neelesh Kumar Mehra**, and Arvind Gulbake Resealed Erythrocytes: A biological carrier for drug delivery. Micro and Nanotechnologies Based Product Development. Ed. Mehra NK, Gulbake A. CRC Press, UK. 2021(Published)
13. Anamika Sahu Gulbake, Ankit gaur, Aviral Jain, **Neelesh Kumar Mehra**, Satish Shilpi, and Arvind Gulbake. Multifunctional carbon nanotubes in Drug Delivery. Micro and Nanotechnologies Based Product Development. Ed. Mehra NK, Gulbake A. CRC Press, UK. 2021. (Published).
14. Satish Shilpi, Umesh Dhakad, Rajkumari Lodhi, Sonal Dixit, **Neelesh Kumar Mehra**, Kapil Khatri. Role of Polymers in Formulation Design and Drug Delivery. Micro and Nanotechnologies Based Product Development. Ed. Mehra NK, Gulbake A. CRC Press, UK. 2021. (Published)
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16. Sonali Batra, Sumit Sharma, **Neelesh Kumar Mehra**. Carbon nanotubes for Drug Delivery Applications. Handbook of Carbon Nanotubes Edited by J Abraham et al., Springer Nature, Switzerland. 2021 In press.
17. Bhavana, V.; Chary, S.; Rajana, N, **Neelesh Kumar Mehra***. Nanomedicine for targeting breast cancer stem cells. Targeted Nanomedicine for Breast Cancer Therapy. 2021 Editor(s): Dr Shivani Rai Paliwal & Dr Rishi paliwal in press. ISBN: 0128244763, 9780128244760. Accepted in Dec, 2021.
18. Padakanti Sandeep Chary#, Naveen Rajana#, Valamla Bhavana, Pankaj Kumar Singh, Saurabh Srivastava, Jitender Madan, Shashi Bala Singh, **Neelesh Kumar Mehra***.

- Nanotechnology: Advanced Drug Targeting Concepts, Fundamentals, and Strategies. In Edited Book "Multifunctional nanocarriers" Elsevier Pvt. Ltd. 2022. Accepted in Dec, 2021.
19. Purva Pingle, Isha Joshi, Rupinder Kaur Sodhi, Jitender Madan, **Neelesh Kumar Mehra**^a, Pankaj Kumar Singh^a, Saurabh Srivastava^a, Dharmendra Kumar Khatri^d, Shashi Bala Singh^d. Needle-free Technology for Biomedical Applications. Edited Book "Multifunctional nanocarriers" Elsevier Pvt. Ltd. 2022.
 20. Harsha Jain, Harshita Dalvi, Aditi Bhat, Aashruti Agrawal, Jitender Madan, Pankaj Kumar Singh, **Neelesh Kumar Mehra**, Saurabh Srivastava^a. Nanomaterials in Nose to Brain Delivery: A Synergistic Breakthrough in Meeting the Unmet. Edited Book "Multifunctional nanocarriers" Elsevier Pvt. Ltd. 2022.
 21. Indrani Maji[#], Srushti Mahajan, Anitha Sriram, **Neelesh Kumar Mehra**, Saurabh Srivastava, Jitender Madan, Shashi Bala Singh, *Pankaj Kumar Singh* Nanotoxicology: Toxicity and Safety Issue of Nanoparticles. 1st Edition. Ed Book. Multifunctional nanocarriers. 2022. ISBN 9780323852944. In press
 22. Anitha Sriram, Ravindra Vasave, Indrani Maji, Rahul Kumar, Dharmendra Kumar Khatri, Shashi Bala Singh, Neelesh K. Mehra and Pankaj Kumar Singh. Virology of SARS-CoV2. 2022, First Edition. Vol. 1 Page: 16-42.
 23. Anitha Sriram, Mayur Aalhat, Rahul Kumar, Dharmendra Kumar Khatri, Shashi Bala Singh, Neelesh K. Mehra and Pankaj Kumar Singh. COVID-19 Vaccines and Vaccination. An Update of SARS-CoV-2, 2022 First Edition, Vol. I Page 204-235.
 24. Srushti Mahajan[#], Indrani Maji[#], Anitha Sriram, **Neelesh Kumar Mehra** and Pankaj Kumar Singh. Polymeric Nanomaterials for therapeutic applications. Edited Book Nanomaterials-based Drug Delivery Systems-Pharmaceutical, Biomedical and Biotechnological Applications. Editor CV Pardeshi Springer Pvt Ltd. In press. 2022 in press.
 25. Srushti Mahajan[#], Indrani Maji[#], **Neelesh Kumar Mehra** and Pankaj Kumar Singh*. Vesicular Nanomaterials for therapeutic applications. Edited Book Nanomaterials-based Drug Delivery Systems-Pharmaceutical, Biomedical and Biotechnological Applications. Editor CV Pardeshi Springer Pvt Ltd. In press. 2022.
 26. Kumar, A.; Panwar, D.; Bhavana, V.; Thakor, P.; Singh, P.K.; **Neelesh Kumar Mehra***. Lipid-Based Nanomaterials For Therapeutic Applications. Edited Book Nanomaterials-based Drug Delivery Systems-Pharmaceutical, Biomedical and Biotechnological Applications. Editor CV Pardeshi Springer Pvt Ltd. In press. 2022. In press.
 27. Naveen Rajana[#], Padakanti Sandeep Chary[#], Valamla Bhavana **Neelesh Kumar Mehra***. Carbon Nanotubes and Fullerenes in Nanotheranostics. 2022. CRC Press, UK. In press.
 28. Avinash Pawar, Ekta Pardhi, Rati Yadav, Ravindra Vasave, Shashi Bala Singh, **Neelesh Kumar Mehra**. Targeted delivery of drugs. Edited Prof. N.K. Jain. 2023. Controlled and Novel Drug Delivery. CBS Publishers and Distributor. New Delhi India. Page 93-138.

AWARDS AND ACHIEVEMENTS

1. Received “**ICMR Shakuntala Amir Chand Award**” for the year 2021 from Indian Council of Medical Research (ICMR), New Delhi in the drug discovery in clinical research.



**ICMR-SHAKUNTALA AMIR CHAND PRIZE
2020
CITATION**



DR. NEELESH KUMAR MEHRA

ICMR-Shakuntala Amir Chand Prize was instituted in 1953 by (Late) Major General Amir Chand for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work on any subject in the field of biomedical science including clinical research. The award for the year 2020 is being presented to Dr. Neelesh Kumar Mehra, Assistant Professor, Department of Pharmaceutics, National Institute of Pharmaceutical Education & Research (NIPER), Hyderabad, Telangana, for the research work in the field of “Biomedical Sciences including Clinical Research”

Dr. Mehra has explored the targeted drug delivery systems for the effective management of the Breast Cancer including topical nano-formulations for selective delivery of bioactive(s) to the target site(s) or the right cells/tissue in a controlled and sustained manner.



2. Received **"TEAM AWARD"** for Complex Brinzolamide Ophthalmic Suspension 1% Product (Brinex M), Russia Launch on time, from Sentiss Pharma Pvt. Ltd, Gurgaon July, 19, 2019.



3. Department of Science and Technology, New Delhi awarded travel grant award to participate in International conference on Bioencapsulation at Amboise, Paris, France 2011.
4. **Best Poster Presentation Award** on a National Seminar Targeting of Bioactives for Therapeutics Benefits at Adina Institute of Pharmaceutical Sciences, Sagar Dated March 09, 2014.
5. **"Best Poster Presentation Award** in Bioengineering and Nanotechnology (BEN) discipline in the Frontier Discoveries and Emerging Opportunities in Life Sciences (FDEOLS-2014) at Department of Biotechnology, Dr. H. S. Gour University, Sagar, 2014, 13-15 Feb.
6. **International Young Scientist Award** at 2nd International Science Congress Association held at Bon Maharaj Engineering College, Vrindavan Mathura Dated 8-9 December 2012.

7. **Best Poster Presentation Award** at Lakshmi Narain College of Pharmacy, LNCP, Bhopal
8. **Best Poster Presentation Award** at Indian Pharmaceutical Association (IPA) Indore by Prof. S. N. Sharma at Devi Ahilya Bai University, Indore INDIA 17 February 2013.
9. **Young Scientist Award** DBT sponsored National Seminar on Advances in Molecular Pharmaceutics, Nanomedicine, Nanobiotechnology and Drug Research, at Columbia Institute of Pharmacy, Raipur CG INDIA Dated 17th March 2013.

PhD RESEARCH SCHOLAR (2020)-07 Ongoing

S. No.	Research scholar	Thesis Title/Fellowship
01	Ms. Valamla Bhavana, (Reg. PE-PHD-2019-303)	Senior Research Fellowship (SRF)
02	Mr. Naveen Rajana (Reg. no. PE-PHD-2020-308)	Senior Research Fellowship (SRF)
03	Mr. Sandeep Chary Padakanti (Reg. no. PE-PHD-2020-306)	Senior Research Fellowship (SRF)
04	Mr. Avinash Pawar (Reg no. PE-PHD-2021-307)	Junior Research Fellowship (JRF)
05	Ms. Ekta Pardhi (Reg no. PE-PHD-2021-305)	Junior Research Fellowship (JRF)
06	Ms. Vaibhavi Srivastava (Reg. No. PE-PHD-2021/01-EMR)	Junior Research Fellowship (JRF), DST, New Delhi
07	Ms. Rati Yadav (Reg no. PE-PHD-2021/DST-IF/301)	DST Inspire Fellow, DST New Delhi
08	Ms Anuradha Urati	Project-SERB-JRF DST, New Delhi
09	Mr Rohit	Junior Research Fellowship (JRF)
10	Mr. Ravendra	Junior Research Fellowship (JRF)
11	Mr. Omar	Junior Research Fellowship (JRF)

MASTER (M.S.) STUDENTS SUPERVISION

S. No.	Name of Students	Title of Thesis
01	Ms. Neha Bajwa	Targeted anticancer drug delivery through anthracycline antibiotic bearing functionalized quantum dots
02	Ms. Sonam Sharma	
03	Ms. Priyanka Sharma	Ex vivo and in vivo performance of anti-cancer drug loaded carbon nanotubes

04	Ms Sumandeep Kaur	Development and Evaluation of Targeting Ligand Anchored CNTs as Prospective Targeted Drug Delivery System.
Batch 2018-2020		
05	Miss Deepa Nakmode Reg.no. PE/2018/310	To Evaluate The Impact Of Different Pharmaceutical Binders on Sustained Release Matrices of Compritol® 888 ATO.
06	Miss Pratheeksha KR Reg. no. PE/2018/311	Optimization of suspension formulation of bcs class ii drug using design of experiments.
07	Miss Arpita Bairagi Reg. no. PE/2018/305	Formulation and Characterization of Inhalable Liposomes for The Treatment of Asthma.
Batch 2019-2021		
08	Mr. Ankaj Kumar Reg. No.PE/2019/303	Development and Evaluation of Nanocrystals Loaded Hydrogel for Topical Application of Repurposed Drug
09	Ms. Mayuri Dalvi Reg. No. Reg. No.PE/2019/308	Development and Evaluation of Cubosomes for Topical Drug Delivery
10	Mr. Pratik K Kharat Reg. No.PE/2019/313	Formulation and Evaluation of Essential Oil based Nanoemulsion Loaded Gel for Effective Treatment of Psoriasis
11	Mr. Dilip M. Panwar Reg. No.PE/2019/316	Design, Development and Evaluation of Hyaluronic Acid modified nanocrystals for Acute Myeloid leukemia
12	Ms. Rashmi R Phushe Reg. No.PE/2019/319	Preparation and Characterization of BCL-2 Protein Inhibitor loaded Liposomal Formulation using Thin Film Hydration method
13	Ms. Mounika Aare Reg. No.PE/2020/301	Development and Evaluation of the Surface Modified PLGA Nanoparticles for Effective Cancer Therapy
14	Vaishnavi A. Bhosale Reg. No.PE/2020/305	Development of the Nanoparticles for Ocular Application
15	Suoyg Mhetre Reg No. PE/2020/313	Development and Evaluation of the Long-acting nanoformulation for the Endometriosis.
16	Smalant K Patil Reg. No. PE/2020/317	Development and evaluation of poorly soluble drug loaded novel formulation
17	Visnumaya S. Nair Reg. No. PE/2020/327	Development and Evaluation of the novel formulation for ocular delivery
18	Safiya Sultana Reg.	Development and Evaluation of Proteins Stabilized Emulsion for Topical application

	No.PE/2020/322	
19	Ms Kavi MS Intern	Development and evaluation of novel formulation for ocular delivery
20	Pooja Reddy Reg. No. PE/2021/327	Project is going on
21	Nalla Usha Kumari Reg No. PE/2020/312	Project is going on
22	Rushikesh Patila Reg. No.PE/2020/314	Project is going on
23	Ms. Aishwarya Reg. No.PE/2021/309	Project is going on
24	JayaPriya P Reg. No. PE/2020/307	Project is going on

KEYNOTE SPEAKER/WEBINAR DELIVERED

- ❑ Keynote speaker workshop entitled “**Exploration of In-silico approach in Formulation Development**” in the workshop on *In-Silico* Formulation Development & ADMET Profiling of New API organized by DBT-Bioinformatics Centre, Department of Pharmaceutical Sciences and Drug Research at Punjabi University, Patiala. Date Feb 28, 2023.
- ❑ Keynote speaker on title “Complex Ophthalmic Product Development” Faculty Development program at Department of Pharmacy, Indira Gandhi National Technical University (IGNTU), Amarkantak, India Dated April, 12, 2022.
- ❑ Keynote speaker on title “An overview of Product Development” at one-day international webinar at Parul University, Vadodara, India Dated June, 06 2022.
- ❑ Keynote speaker on title “Nanoenabled complex Product Development” at High End Workshop (Karyashala) on Solid State Characterization of Pharmaceutical Theory and Hands on Experience in NIPER Hyderabad from June, 06-15th 2022.
- ❑ Expert Speaker on topic “Current Landscape of Bioanalytical Tools In Product Development” in AICTE sponsored Quality Improvement Programme on Bioanalytical techniques and Tools for Drug Discovery Process organised by the department of Pharmaceutical sciences & Technology, BITS MESRA Date 21-26, June 2021.
- ❑ Keynote Speaker to delivered on “Quality by Design (QbD) Approach in Complex Product Development” in AICTE Sponsored Short term Training Programme (STTP) at Annamcharya College of Pharmacy, New Boyanapallio, Rajampet, A.P. Dated 17 June 2021
- ❑ Keynote speaker on “Artificial Intelligence in Pharmaceuticals: Contemporary Status & Impending Prospect in AICTE-RGPV Joint Teachers Training Program, at Chameli devi Institute of Pharmacy, Indore Dated 18 Feb 2021.

- ❑ Keynote speaker in *Drug Delivery & Nanoformulation* session under Pharmaceutical Sciences and Biotechnology vertical Dated 19 October, 2020 for VAIBHAV summit 2020 initiated from Govt of India.
- ❑ Keynote speaker on topic " Current Understanding and Possible Therapeutic Options For Covid-19 Outbreak Of Global Health Concern" in the e-faculty development programme in School of Pharmacy and IQAC ARKA JAIN University, Jamshedpur, Jharkhand, India Date, May 28, 2020.
- ❑ Keynote speaker on topic " Role of Nanomedicine in COVID-19, in the National webinar (live) on Innovative research methodology to develop drug or vaccine for COVID-19 in Khajuraho Institute of Pharmaceutical Sciences, Chhatarpur, MP INDIA date 29 May, 2020
- ❑ Keynote speaker on topic "Overview of complex generic Ophthalmic Formulation development" as Guest Speaker at Lakshmi Narain College of Pharmacy, Bhopal, MP INDIA, dated 12 June 2020.
- ❑ Keynote speaker on topic "Treatment option for COVID-19 pandemic: Current Scenario and Future Perspectives" in Department of Pharmacy, Shri Krishna University, Chhatarpur, INDIA dated 12 May 2020

WORKSHOP/CONFERENCES ORGANIZATION

- ❑ Organized the "**INDO-US International Webinar**" on Topic "Personal perspectives on what does it take to run a Skin Delivery Systems Laboratory with graduate students: The Science and the Rest" by Prof. Ajay K. Banga, Department of Pharmaceutical Sciences at the College of Pharmacy, Mercer University, Atlanta, GA, USA
- ❑ Organized the **INDO-EU Webinar** with gracious presence and invited talk of **Prof. Jessica Rosenholm** Faculty of Science and Engineering Abo Akademi University BioCity, Turku, Finland and **Prof. Thomas Rades**, University of Copenhagen, Department of Pharmacy, Copenhagen, Denmark on March 02, 2021.
- ❑ Moderating and organizing the "*Drug Delivery & Nanoformulation*" session under Pharmaceutical Sciences and Biotechnology vertical Dated 19 October, 2020 for VAIBHAV summit 2020 in the field of pharmaceutical sciences initiated from Govt. of India by across globe with distinguished scientist/professor.
- ❑ *Organized an Online [e-Workshop](#) on "Industrial Implication of Artificial intelligence, Machine learning, Data Analytics and Nanomedicine in R&D innovations" Dated 30 & 31 July 2020 with international speakers from across globe.*
- ❑ Conducted and organized the **INDO-US International Webinar** on Topic "Personal perspectives on what does it take to run a Skin Delivery Systems Laboratory with graduate students: The Science and the Rest" by Prof. Ajay K. Banga, Department of Pharmaceutical Sciences at the College of Pharmacy, Mercer University, Atlanta, GA, USA
- ❑ Organizing the International Conference ICAPNN at ISF College of Pharmacy, Moga Punjab, 2015

OTHER ACADEMIC DUTIES AND RESPONSIBILITIES

1. SC/ST & Minority Cell-	Co-chair
2. Store and Purchase committee SPC-II	CHAIR
3. Academic Advisory & Student Affairs Committee (AA & SAC)	Co-chair
4. Rajbhasha Prakoshtha (cell)	Member
5. Safety & Security of Campus & Hostel	Member
6. Industry interaction & International Collaboration Cell (IIC)	Member
7. Internal Complaints Committee under The Sexual Harassment of Women at Workplace, (Prevention, Prohibition and Redressal) Act 2013	Member
8. Avishkaran; BioNest Incubator	Advisory Board member

MEMBERSHIP OF PROFESSIONAL

1. India Pharmaceutical Education Society. Membership No. IPES/ALM/20/648

EXTERMANL EXAMINER

2. PhD thesis evaluator in JSS College of Pharmacy, Mysore, India as an external examiner

Neelesh Kumar Mehra

Place: HYDERABD

Dr. Neelesh Kumar Mehra