

Dr. Navneet Sharma
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- **First & Last Name:** Navneet Sharma
- **Date of birth & Age:** 29 July 1988, 35 years
- **Nationality:** Indian

Education

- **Ph.D. Thesis** on developing and evaluating the efficacy and safety of the dermal nanoformulation and wipe against CBRN contaminants (Sep. 2018). **University of Delhi**, Delhi, India.
- **Masters in Pharmaceutics** (Formulation Development) (May 2013), **JSS University**, Mysore Karnataka, India.
- **Postgraduate Diploma in Pharmaceutical Regulatory Affairs (PGDRA)** (Sep 2012), **Jamia Hamdard**, Delhi, India.
- **Bachelor in Pharmacy** (May 2011), Gautam Buddh Technical University, Lucknow UP, India.

Work experience

Research

- Assistant Professor, Amity University Uttar Pradesh, Noida, India (Feb.2023-Till Now)
- Principal Investigator and Research Scientist-DST, Indian Institute of Technology Delhi, Delhi (Nov.2018-Dec 2022)
- Council of Scientific and Industrial Research (CSIR) Govt. of India, Research Associate (Sept.2018- Oct.2018)
- Senior Research Fellow (SRF), Institute of Nuclear Medicine and Allied Sciences, Delhi, India (Sep.2015-Sep.2018).
- Junior Research Fellow (JRF), Institute of Nuclear Medicine and Allied Sciences, Delhi (Sep.2013-Sep.2015).
- Post Graduate Student Researcher, INMAS-DRDO, Delhi (March 2012- May 2013).
- Research training, Chemistry R & D Division, Indian Pharmacopoeia Commission, Ghaziabad UP, India (Jun2010-July2010).

Projects as Principal Investigator (PI)/Co-PI

1. Wound sealant for traumatic and combat casualty wounds, Funded by Science for Equity, Empowerment, and Development (SEED) Division, **Department of Science and Technology (DST)**, Govt. of India @ **Indian Institute of Technology**, Delhi, India.(USD 54000/INR44Lac)“**Principal Investigator**” No. SP/YO/2021/1895.
2. Decontamination of CBRN agents with Minimal Waste Generation, Funded by Science for Equity, Empowerment, and Development (SEED) Division, **Department of Science and Technology (DST)**, Govt. of India @ **Indian Institute of Technology**, Delhi, India.(USD 53000/INR38Lac)“**Principal Investigator**” No.SP/YO/178/2018.

3. Identification of the radioactivity in the ground/surface water sources of Delhi NCR and development of the suitable devices for radioactive water purification, Funded by Water Technology Initiative (WTI) Division, Department of Science and Technology (DST), Govt. of India @ Institute of Nuclear Medicine and Allied Sciences, Delhi, India. (USD 144094.22/INR 1Cr40lac) “**Co-Principal Investigator**” **DST/TMD/EWO/WTI/2K18/05 ©.**

Industry

1. Biomedical Devices **Technology Consultant** “Gel Craft Healthcare Private Limited”, India.
2. **Trustee and Board Director** Ganesh Scientific Research Foundation, New Delhi, India.

Membership of the Professional bodies

1. Expert member of the Committee constituted by the Bureau of Indian Standards (BIS) on the peaceful use of the Nuclear energy

Training Programs/Workshops/Conferences/ Short term courses

1. **Organising Secretary**, Research and Innovation in the Medical Management of CBRNE Emergencies, A three day training cum workshop, organized by Indian Institute of Technology Delhi & SEED Department of Science and Technology, 22nd-24th November, 2021.
2. **Coordinator**, International, CBRN Command Course for Trainers & Responders, Jointly Organised by DRDO India & Police National CBRN Centre, Ryton, UK, 6th - 17th October, 2014.

Awards

International

Award

1. Environment and Social Development Association (ESDA), **Young Scientist Award-2021, World Environment Summit 2021.**
2. **Best presentation award** for Commercialization of the new ideas for the medical management of CBRN emergencies including Covid-19 in 1st **Shanghai Cooperation Organisation (SCO)-Young Scientists Conclave (SCO-YSC 2020)** organized jointly by the Department of Science & Technology and Ministry of External Affairs Govt. of India.
3. Venus International Healthcare Award (VIHA)- 2018, **Young Researcher in Pharmaceutics** by Venus International Foundation

National Award

1. Department of Science and Technology (DST), Govt. of India, **Young Scientist Award-2018**
2. Department of Science and Technology (DST), Govt. of India, **Young Scientist Award-2022**

Fellowships

1. Council of Scientific & Industrial Research (CSIR), **Senior Research Associateship-20**
2. Council of Scientific & Industrial Research (CSIR), **Research Associateship-2018**
3. **JRF & SRF Research Fellowship (2013)**, Defense research and development organization, Ministry of Defense,(**DRDO**) Govt. of India.
4. Qualified All India Council for Technical Education **GPAT (AICTE-Graduate Pharmacy Aptitude Test) Postgraduate fellowship** -2017.
5. Recipient of the **International travel grant** from The Indian Council of Medical Research (**ICMR**) Apr 2017 to deliver an oral presentation on Novel decontamination formulation in the CBRNE R&I -2017, Lyon, France from 29th May to 1st of Jun 2017.

6. Recipient of the **International travel grant** from **SERB DST** Apr 2014 to deliver an oral presentation on Transdermal patches based on solid lipid nanoparticles of Metformin: Novel approach for drug delivery against Type 2 diabetes in 3rd International Conference on Nephrology & Therapeutics, June 26-27, 2014 Valencia Conference Centre, Valencia, Spain.
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Patents Granted/Filed

1. SudhaRana, Navneet Sharma, Rakesh Kumar Sharma, **A topical nanoemulsion formulation of calix[4]arene**, 2014 India, **Granted PatentNo.339317**.
 2. Navneet Sharma, Himanshu Ojha, Deepti Sharma, Mallika Pathak, Mitra Basu, Raman Chawla, **Aqueous Wound Healing Composition**,2017 India, **Granted PatentNo.346864**.
 3. Navneet Sharma, Bhupendra Singh Butola, Dharam Pal Pathak, Mitra Basu, Himanshu Ojha, Rakesh Kumar Sharma, **A Multilayered Decontamination Composition**, 2017 India, Patent **Granted No.459905**.
 4. Deepti Sharma, Navneet Sharma, Vinod Kaushik, Raman Chawala, Bal Gangadhar Roy, Rajeev Goel, Himanshu Ojha, **A composite exhibiting radioprotective and radio mitigating properties and processes for preparing and thereof**, 2020 India, Patent Application **No.202011041340**.
 5. Bhupendra Singh Butola, Navneet Sharma, Pooja Yadav, **Universal CBRN decontamination wipe**, 2020, Indian Patent Application **No.202011031843**.
 6. Bhupendra Singh Butola, Navneet Sharma, Paresh Meel, **Portable Decontamination Device, 2020, Granted Patent no. 492443**
 7. Bhupendra Singh Butola, Navneet Sharma, Amanpreet Behl, PareshMeel, **Triple shield, Portable Universal Biological Green Decontamination station**, 2020, Indian Patent Application **No.202011047606**.
 8. Bhupendra Singh Butola, Navneet Sharma, Amanpreet Behl, Ashrit Nair, PoojaYadav, **Decontamination composition for fabrics**, 2020, Indian Patent Application **No. 202011054573**.
 9. Sukhvir Singh, Raman Chawla, Navneet Sharma, **Ozonated Radical Confined Space (ORCS) Disinfection Processes and ORCS Dissemination, Purification & Sterilization Devices**, 2021, In process Indian Patent.
 10. Sukhvir Singh, Raman Chawla, Navneet Sharma, **“Air clean Technology-Based Patient Transport System and Process Providing Safe Passage during Transportation”**,2021,Indian Patent Application **No. 202111046079**.
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Licensed technologies

1. **Patent No. 339317** as **Remocon™** radioactive skin decontamination wipes to the Novel Tissues Pvt. Ltd. Mysuru, Karnataka, India.
2. **Patent Application No. 202011054573** as **CovDecon** antimicrobial coating for the fabrics to the Progen Bio Pvt. Ltd. New Delhi, India.
3. **In process Indian Patent.Ozonated Radical Confined Space (ORCS) Disinfection Processes and ORCS Dissemination, Purification & Sterilization Devices**, “Gel Craft Healthcare Private Limited”, Ghaziabad, Uttar Pradesh, India.
4. **In process Indian Patent**.Dual Fusion SPACE (HEPA & UV-C) Air Clean Technology based Isolated & Safe Infected/ Contaminated Patient/ Victim Transfer/ Evacuation System for

CBRN Emergencies, 2021, “Gel Craft Healthcare Private Limited”, Ghaziabad, Uttar Pradesh, India.

Journal Editor (Board/Review)

1. **Frontiers in Microbiology**, ISSN: 1664-302X, IF:6.064

Measurable Outcome

Achievement	Published/Developed/Participated
Books / International Publications / Chapters (published/ accepted)	45
Books Edited	04
Journal Editor (Board/Review)	01
Patents (Granted/Filed)	10
Fellowships& Awards	10
Abstracts/ Poster Presentation in National / International Conferences	18
National / International Awards/Travel Grants	05
Knowledge enhancement workshops/Seminar attended	15
Invited lectures/Talks	35
Organiser/Coordinator of Training Activity (National / International)	03
Training Research Projects completed (Internships under supervision, Viz. M.tech, M .pharma, M.Sc)	20
Research Projects Completed/Undergoing	02
Licensed technologies	04
Net Outcome (Publications, Projects, and other activities)	172

Publications, Books Edited, Authored, Chapters and Paper Presentations oral/Poster

Papers published/accepted in refereed International Journals

Total Impact Factor: 96.433

Average Impact Factor: 3.013

Citations:847; h-index:13; i10-index: 16

(<https://scholar.google.co.in/citations?user=wGuxeqsAAAAJ&hl=en>).

Citations: 645; h-index: 13

(<https://www.scopus.com/authid/detail.uri?authorId=57848942700>)

1. Ashrit Nair, Aditya Dahiya, Pooja Yadav, **Navneet Sharma (Corresponding Author)**, Bhupendra Singh Butola, Materials for the management of traumatic Wounds: A descriptive review, 112475 ,31 October 2023(**IF: 6**). **ISSN: 0014-3057**, **DOI: <https://doi.org/10.1016/j.eurpolymj.2023.112475>**
2. Shubham J. Suryawanshi, Siddharth Jain, Rakesh K. Sharma, Raman Chawla, Sandeep Arora, Vikesh K. Shukla, **Navneet Sharma(Corresponding Author)**, Current veterinary regulations and way ahead, 166, 105101 ,2024; (**IF: 2.4**).**ISSN: 0034-5288**, **DOI: <https://doi.org/10.1016/j.rvsc.2023.105101>**
3. Amanpreet Behl, Ashrit Nair, Sanika Mohagaonkar, et al., **Navneet Sharma (Corresponding Author)**, Threat, challenges, and preparedness for future pandemics: A descriptive review of phylogenetic analysis based predictions, **Infection, Genetics and Evolution** (2021), <https://doi.org/10.1016/j.meegid.2022.105217>; (**IF:4.4**).**ISSN:1567-1358**.
4. Ashrit Nair, Pooja Yadav, Amanpreet Behl, Shweta Kulshrestha, Bhupendra Singh Butola, **Navneet Sharma (Corresponding Author)**, Toxic Blister agents: Chemistry, mode of their action and effective treatment strategies, **Chemico-Biological Interactions**, 350 (2021); 109654. (**IF: 5.192**). **ISSN: 0009-2797**, **DOI: [10.1016/j.cbi.2021.109654](https://doi.org/10.1016/j.cbi.2021.109654)**
5. **Navneet Sharma**, Mamta Chaudhary, Bhupendra Singh Butola, Joseph Kingston Jeyabalaji, Dharm Pal Pathak, Rakesh Kumar Sharma. Preparation, characterization, and evaluation of the Zinc titanate and Silver nitrate incorporated wipes for topical chemical and biological decontamination, **Material Science & Engineering: C**, 96(2019); 183-196. (**IF: 7.328**).**ISSN: 0928- 4931**, **DOI: [10.1016/j.msec.2018.10.056](https://doi.org/10.1016/j.msec.2018.10.056)**
6. **Navneet Sharma**, Himanshu Ojha, Dharam Pal Pathak, Rajeev Goel, and Rakesh Kumar Sharma. Ex-vivo complexation, skin permeation, interaction and cytodermal toxicity studies of *p- tertbutylcalix[4]arene* nanoemulsion for radiation decontamination. **Life Sciences**, 168 (2017); 65–76. (**IF: 6.1**).**ISSN: 0024-3205**, **DOI: [10.1016/j.lfs.2016.11.007](https://doi.org/10.1016/j.lfs.2016.11.007)**
7. **Navneet Sharma**, Rita Kakkar, Prerna Bansal, Anju Singh, Himanshu Ojha, Dharam Pal Pathak, and Rakesh Kumar Sharma. Host–guest complexation studies of *p- tertbutylcalix[4]arene* against ions of interest for radiological decontamination, **Inorganica Chimica Acta**, 484 (2019); 111–124. (**IF: 3.118**).**ISSN: 0020-1693** **DOI: [10.1016/j.ica.2018.09.007](https://doi.org/10.1016/j.ica.2018.09.007)**
8. **Navneet Sharma**, Rohan Deshpndey, and Rakesh Kumar Sharma. Development of locust bean gum and xanthan gum-based biodegradable microparticles of Celecoxib using a central composite design and its evaluation. **Industrial Crops and Products**, 2016; 82: 161-170. (**IF:5.9**) **ISSN: 0926-6690**, **DOI : [10.1016/j.indcrop.2015.11.046](https://doi.org/10.1016/j.indcrop.2015.11.046)**
9. **Navneet Sharma**, HimanshuOjha, AmbikaBharadwaj, Dharam Pal Pathak, and Rakesh Kumar Sharma. Preparation and catalytic applications of nanomaterials: a review. **RSC Adv.** **2015**; 5: 53381-53403. (**IF: 3.9**) **ISSN 2046-2069**, **DOI <https://doi.org/10.1039/C5RA06778B>**
10. Sudha Rana, **Navneet Sharma**, Himanshu Ojha, Hosakote G. Shivkumar, Sarwat Sultana, Rakesh Kumar Sharma. P-tertbutylcalix[4]arene nanoemulsion: Preparation, characterization and comparative evaluation of its efficacy against Technetium-99m, Iodine-131 and Thallium-201'.**Colloids and Surfaces B: Biointerfaces**, **2014**, 117, 114-121. (**IF: 5.8**) **ISSN: 0927-7765**, **DOI: [10.1016/j.colsurfb.2014.02.001](https://doi.org/10.1016/j.colsurfb.2014.02.001)**
11. **Navneet Sharma**, Sharadendu Mishra, Suryadev Sharma, Rohan Deshpandey, Rakesh Kumar Sharma. Preparation and Optimization of Nanoemulsions for Targeting Drug Delivery. **Int. J. Drug.Dev. Res.****2013**, 5(4), 37-48. **ISSN: 0975-9344 (IF:8.24)**
12. **Navneet Sharma**, Sudha Rana, Hosakote G. Shivkumar, Rakesh Kumar Sharma. Solid Lipid Nanoparticles as a carrier of Metformin for Transdermal Delivery. **International Journal of Drug Delivery**, **2013**, 5(2), 137-145. **ISSN: 0975-0215(IF: 1.5)**
13. **Navneet Sharma**, Sudha Rana, Hosakote Gurumallappa Shivkumar, Rakesh Kumar Sharma. Para- tertbutylcalix[4]arene as a promising complexing agent for removal of the Strontium from the aqueous medium. **Radiation protection and environment**.**2013**, 36(2), 78-84.**ISSN: 0972-0464**

14. SudhaRana, **Navneet Sharma**, Rajeev Goel, Abdul Wadood Khan, Scintigraphic Evaluation of Decontamination Lotion Assisted Removal of Radioactive Contamination from Skin. **Disaster Medicine and Public Health Preparedness**, 2014, 31, 1-6. (IF: 2.7).ISSN: 1935-7893, DOI: [10.1017/dmp.2014.17](https://doi.org/10.1017/dmp.2014.17)
15. **Navneet Sharma**, Rakesh K. Sharma, Rajeev Goel, Mani Silambarasan, Dharam P. Pathak, Technologies for the Evaluation of Efficacy of Nanoformulation for Removal of Radiological Contamination, **Pharmaceutical Nanotechnology**, 2015, 3(4), 224 – 227. ISSN: 2211-7385, DOI: [10.2174/2211738504666160213000105](https://doi.org/10.2174/2211738504666160213000105)
16. **Navneet Sharma**, Harvinder Kaur, Rakesh Kumar Sharma. Radiopharmaceuticals regulations: Current scenario and the way forward, **Applied Clinical Research, Clinical Trials, and Regulatory Affairs**, 2017,4, 183-194. ISSN: 2213-476X, DOI: [10.2174/2213476X04666170410141155](https://doi.org/10.2174/2213476X04666170410141155)
17. **Navneet Sharma**, Mitra Basu, Dharam Pal Pathak, Rakesh Kumar Sharma, Nanoemulsion for Nuclear and Radiological Decontamination of Skin, **Prehospital and Disaster Medicine**, 2017; 32(Suppl. 1):s1-s2, 10.1017/S1049023X17000334. (IF: 2.2) ISSN: 1049-023X
18. Deepak Sharma, Rakesh Kumar Sharma, **Navneet Sharma**, Nose-to-brain delivery of PLGA-diazepam nanoparticles, **AAPS Pharm SciTech**, 2015, 16(5), 1108-1121. (IF:3.3) ISSN: 1530- 9932, DOI: [10.1208/s12249-015-0294-0](https://doi.org/10.1208/s12249-015-0294-0)
19. Snehalatha Movva, Venugopal Kolachina, Ranendra Narayan Saha, Anil Kumar Babbar, **Navneet Sharma**, Rakesh Kumar Sharma. Enhanced tumor uptake, biodistribution, and pharmacokinetics of Etoposide loaded nanoparticles in Dalton's Lymphoma Tumor-bearing mice. **J Pharm BioallSci**, 2013, 5(40), 290-297. ISSN: 0976-4879, DOI: 10.4103/0975-7406.120081
20. Deepti Sharma, Himanshu Ojha, Mallika Pathak, Bhawna Singh, **Navneet Sharma**, Anju Singh, Rita Kakkar. Spectroscopic and molecular modeling studies of binding mechanism of metformin with bovine serum albumin, **Journal of Molecular Structure**, 2016, 1118, 267-274. (IF:3.841). ISSN: 0022-2860, DOI 10.1016/j.olstruc.2016.04.030
21. Mallika Pathak, Malti Sharma, Himanshu Ojha, Rekha Kumari, **Navneet Sharma**, Bani Roy, Green synthesis characterization and antibacterial activity of silver nanoparticles, **Green Chemistry & Technology Letters**, 2016, 2 (2), 103-109. ISSN: 2455-3611
22. Anil K. Sharma, Parwat K. Sahoo, Dipauk K. Majumdar, **Navneet Sharma**, Rakesh Kumar Sharma, Amit Kumar, Fabrication and evaluation of lipid nanoparticles for ocular delivery of a COX-2 inhibitor, **Drug Delivery**, 2016, 17, 1-10. (IF:6.0).ISSN: 1071-7544, DOI: [10.1080/10717544.2016.1183720](https://doi.org/10.1080/10717544.2016.1183720)
23. Deepti Sharma, Mallika Pathak, Riya Sharma, **Navneet Sharma**, Prateek Tyagi, Raman Chawla, Mitra Basu, Himanshu Ojha, Homology modeling and docking studies of VP24 protein of Ebola virus with an antiviral drug and its derivatives, **Chemical biological letters**, 2017, 4(1), 24-28. ISSN: 2347-9825
24. Sima Gautam, **Navneet Sharma**, Rakesh Kumar Sharma, Mitra Basu, Human Patient Simulator based CBRN Casualty Management Training, **Defence Life Science Journal**, 2017, 2(1), 80-84. ISSN: 2456-379X DOI: [10.14429/dlsj.2.11073](https://doi.org/10.14429/dlsj.2.11073)
25. Anil K. Sharma, Parwat Kumar Sahoo, **Navneet Sharma**, Rakesh Kumar Sharma, Amit Tyagi, Efficacy Assessment of Celecoxib Oil Drops Versus Arachidonic Acid Stimulated Ophthalmic Inflammation in Rabbits, **Proceedings of the National Academy of Sciences (PNAS), India Section B: Biological Sciences**, 2018, 88, 1435-1441. (IF: 0.282) ISSN: 0027-8424, DOI: [10.1007/s40011-017-0883-7](https://doi.org/10.1007/s40011-017-0883-7)
26. Ankit Tanwar, Ayesha Ali Zaidi, Manish Bhardwaj, Ankita Rathore, Ankita Singh Chakotiya, **Navneet Sharma**, Herbal informatics approach for the selection of natural compounds targeting diabetes mellitus, **Indian j traditknowle**, 2018, 17(2), 270-275. (IF: 1.091).ISSN: 0972-5938, <http://nopr.niscair.res.in/handle/123456789/43652>
27. Mallika Pathak, Deepti Sharma, **Navneet Sharma**, Malti Sharma, Spectroscopic and

- thermodynamic studies of the binding mechanism of metformin to pepsin, **Journal of Molecular Structure**, 1166, 2018, 183-189. (IF: 3.841). ISSN: 0022-2860, DOI: 10.1016/j.molstruc.2018.04.032
28. Sabna Kota, Navneet Sharma, Prateek Raturi, Mohd. Aleem, Rakesh Kumar Sharma, Exploring Novel Strategies for Lipid-Based Drug Delivery, **Journal of Nanotoxicology and Nanomedicine**, 3(1), 2018, 1-22. ISSN: 2379-7452
 29. Shweta Kulshrestha, Raman Chawla, Sukhvir Singh, Pooja Yadav, Navneet Sharma, Rajeev Goel, Himanshu Ojha, Vinod Kumar, Jawahar Singh Adhikari, Protection of sildenafil citrate hydrogel against radiation-induced skin wounds, **Burns**, 46(5), 2020, 1157-1169 (IF: 2.7). ISSN: 0305-4179 <https://doi.org/10.1016/j.burns.2019.11.020>
 30. Deepti Sharma, Navneet Sharma, Bal G. Roy, Mallika Pathak, Vinod Kumar, Himanshu Ojha Healing efficacy and dermal toxicity of topical silver nanoparticles-loaded hydrogel in Sprague–Dawley rats. **Radiat Prot Environ**, 2021; 44: 34-41. ISSN: 0972-0464, DOI: 10.4103/rpe.rpe_51_20
 31. Ruth Daniel, Dhananjay Tripathi, Sukhvir Singh, Navneet Sharma, Arihant Yuvraaj, Deeksha Katyul, Vinod Kumar, Uranium: occurrence, distribution across India and its potential health effects, **J Radioanal Nucl Chem**, 331, 2805–2815, 2022; (IF: 1.6). ISSN: 0236-5731 y <https://doi.org/10.1007/s10967-022-08373-3> ISSN 1588-2780.
 32. Himanshu Ojha, Vikram Choudhary, Deepti Sharma, Ashrit Nair, Navneet Sharma, Medical management of ionizing radiation induced skin injury, **Radiat Prot Environ**, 45, 2022, 2-15. ISSN: 0972-0464, DOI: 10.4103/rpe.rpe_4_21,

Books Edited

1. Navneet Sharma, Pawan Raghav, **Chemoinformatics and Bioinformatics for Pharmaceutical Sciences, Ed. 1, Elsevier**, 1st May 2021, Paperback ISBN: 9780128217481.
2. Navneet Sharma, Bhupendra S Butola, Fiber and Ed. 1, **Textile Engineering in Drug Delivery Systems, Elsevier**, 2nd December 2022, Paperback ISBN: 9780323961172.
3. Pawan Kumar Raghav, Rajesh Kumar, Anjali Lathwal and Navneet Sharma, **Ed 1 Computational Biology for Stem Cell Research, Elsevier**, 1st February 2024, Paperback ISBN: 9780443132223
4. Navneet Sharma and Mallika Pathak, **Pharmaceutical Techniques and Technologies Development, Manikin Press, (Proposal Accepted-Under Preparation).**

Books Authored

1. R Chawla and N Sharma *etal.* **Ebola Virus (Incident Site to Hospital Care & Beyond)**, A Publication of Division of Chemical, Biological, Radiological and Nuclear Defence (CBRN), Institute of Nuclear Medicine and Allied Science, **Defence Research and Development Organisation**, Jan 2018, Delhi, India (under, INM - 318). ISBN No. 978-81-935041-3-0.
2. R Chawla and N Sharma *etal.* **CBRN Casualty Management (Incident Site to Hospital Care & Beyond)**, A Publication of Division of Chemical, Biological, Radiological and Nuclear Defence (CBRN), Defence, Institute of Nuclear Medicine and Allied Science, **Defence Research and Development Organisation**, July 2018, Delhi, India (under, INM - 318). ISBN No. 978-81-935041-5-4.

Book Chapters

1. Sharma N, Nair A, Gupta B, Kulshrestha S, Goel R, Chawla R, **Chemical, biological, radiological, and nuclear textiles: current scenario and way forward**, *Advances in Functional and Protective Textiles, Elsevier Ltd.*, Netherlands, 2020, 117-140. <https://doi.org/10.1016/B978-0-12-820257-9.00006-0>. ISBN 978-0-12-820257-9

2. **Sharma N**, Kota S, Saifi A, Singh S, Sharma R K, **Innovative strategies for lipid-based drug delivery, Multifunctional Nano carriers for Contemporary Healthcare Applications**, IGI Global USA, 2018, 60-84.DOI: 10.4018/978-1-5225-4781-5.ch004.ISBN 9781522547815
3. **Sharma N**, Rana S, Silambarasan M, Pathak D P, Sharma R K.**p-tertbutylcalix[4]arene Nanoemulsion-Assisted Removal of Radioactive Contamination from Skin**, Nanotechnology: Novel Perspectives and Prospects, Mc-Graw Hill USA, 2014, 61-67. ISBN : 978-93-392-2109-6.
4. Sharma D, **Sharma N**, Pathak M, Agrawala PK, Basu M, Ojha H, **Nanotechnology-based drug delivery systems: Challenges and opportunities**, In Drug Targeting and Stimuli Sensitive Drug Delivery Systems, **Elsevier Inc**, Netherlands, 2018, 39–79.doi.org/10.1016/B978-0-12-813689-8.00002-1ISBN: **9780128136904**
5. Gaur N., **Sharma N.**, Yadav P., Sharma R. K. et al. **Nanomedicine its toxicity and regulatory concerns**, The Handbook of Nanotechnology: Risk, Safety, and Commercialization, Ed. Chaudhery Mustansar Hussain, **John Wiley and Sons, USA, 2020.** <https://doi/abs/10.1002/9781119592990.ch13>ISBN: 978-1-119-59160-3
6. Kulshrestha S., Arora T., Sengar M., **Sharma N.**, Chawla R., Sheeren B., Raghav P, **Advanced approaches and in silico tools of chemoinformatics in drug designing**, Chemoinformatics and Bioinformatics in the Pharmaceutical Sciences, **Elsevier Inc, Netherlands**, 2021, 173-206. <https://doi.org/10.1016/B978-0-12-821748-1.00006-3>ISBN 978-0-12-821748-1
7. Chopra S., Dahiya A., Nair A., **Sharma N.**, Sharma R.K., **2-Deoxy-D-Glucose: A Repurposed Drug for COVID-19 Treatment**, Drug Repurposing for Emerging Infectious Diseases and Cancer, Springer Nature Pvt. Ltd., 2022, https://doi.org/10.1007/978-981-19-5399-6_20

Oral Paper Presentations in International Conferences

1. Yadav P, **Sharma N (corresponding)**, “**CBRN Decontamination” a new horizon in the Pharmaceutical Technology**, International Conference on Pharmaceutical Technology, Phyopharmaceuticals and Biologicals; Trends-PTPPBT 2023, **Held on 17-18 March, 2023 at Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida UP, India.**
2. Yadav P, **Sharma N (corresponding)**, Materials in dermal CBRN Decontamination, International Conference on Materials in the Anthropocene- CVMA2021, **Held on 27-29 October, 2021 at El colegio De Micoacan, Maxico.**
3. Nair A, Sharma N, **Sharma N (corresponding)**, “**Materials in haemostasis”**, **Held on 17-18 March, 2023 at Amity Institute of Pharmacy, Amity University Uttar Pradesh, Noida UP, India.**
4. **Sharma N**, Basu M, Pathak D P, Sharma R K, Topical Formulation for Radiological and Nuclear decontamination, **The Second International Conference on CBRNE Research & Innovation 2017, Lyon France 30/05/2017 to 01/06/2017.**
5. **Sharma N**, Sharma R K, Pathak D P, Transdermal patches based on solid lipid nanoparticles of Metformin: Novel approach for drug delivery of Type 2 diabetes, **3rd International Conference on Nephrology & Therapeutics, June 26-27, 2014 Valencia Conference Centre, Valencia, Spain.**
6. **Sharma N**, Formulation & In-vitro evaluation of mucoadhesive microspheres of Pyridostigmine bromide for intranasal drug delivery. **3rd International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems, April 08-10, 2013 Hilton Chicago/Northbrook, USA.**
7. **Sharma N**, Pathak D P, Sharma R K, “**Skin Safety Studies of Topical Radio-decontaminating Nanoemulsions”**, **Nanoscience Tech, 2016, Panjab University, Chandigarh, Panjab, India.**

8. **Sharma N**, Pathak D P, Sharma R K, 'Nanoemulsion-assisted Removal of Radioactive Contamination from Skin', **DAAD Research Seminar 'Materials & Devices using Soft Matter: Current Status & Outlook' held on 21 November 2016 at University of Delhi.**
9. **Sharma N**, Basu M, 'Novel Pharmaceutical Formulations for CBR Decontamination of Skin,' **42nd ICMM World Congress on Military Medicine, held 19-24 November 2017 at Vigyan Bhawan New Delhi, India.**
10. Ojha H, Sharma D, **Sharma N**, Basu M, 'Development of Novel Topical Formulation for Healing of Chronic Wounds occur During Combat Casualty' **42nd ICMM World Congress on Military Medicine, Held on 19-24 November, 2017 at Vigyan Bhawan New Delhi, India.**
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3. **Gupta P C, Sharma N.** 'CBRN Defence Specific Medical Logistics and Casualty Evacuation Equipment', **42nd ICMM World Congress on Military Medicine, Held on 19-24 November 2017 at Vigyan Bhawan New Delhi, India.**