

FACULTY PROFILE



Name: Mr. Nitish

Designation: Assistant Professor

Email: nitishk@srmist.edu.in

Professional qualification:

- Ph.D*
- M.Pharm (Pharmacology)

Publications (Journals & Conferences): Total 20

- **Kumar N**, Kumar B, Ashique S, Yasmin S, Venkatesan K, Islam A, Ghosh S, Sahu A, Bhui U, Ansari MY. A critical review on SGLT2 inhibitors for diabetes mellitus, renal health, and cardiovascular conditions. Diabetes Research and Clinical Practice. 2025 Feb 16:112050. **I.F= 6.1**
- Kumar M, Mehan S, Sharma T, Kumar A, Khan Z, Sharma AK, **Kumar N**, Gupta GD. Integrating Gut-Brain Axis: Exploring the Neurogastrointestinal Interactions and Therapeutic Potentials in Autism Spectrum Disorder. Endocrine, metabolic & immune disorders drug targets. **I.F= 2**
- **Kumar N**, Tyagi N, Mehan S, Singh AP. Enhanced Neuroprotection in Experiment Multiple Sclerosis through Combined Rosiglitazone and Probiotic-Loaded Solid Lipid Nanoparticles: Modulation of Cellular Signaling Pathways. CNS Neurol Disord Drug Targets. 2024 Nov 1. **I.F= 2.7**
- Sethi P, Mehan S, Khan Z, Maurya PK, **Kumar N**, Kumar A, Tiwari A, Sharma T, Gupta GD, Narula AS, Kalfin R. The SIRT-1/Nrf2/HO-1 Axis: Guardians of Neuronal Health in Neurological Disorders. Behavioural Brain Research. 2024 Oct 4:115280. I.F= 2.6

- Ashique S, Mishra N, Mantry S, Garg A, **Kumar N**, Gupta M, Kar SK, Islam A, Mohanto S, Subramanian V. Crosstalk between ROS-inflammatory gene expression axis in the progression of lung disorders. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2024 Aug 28:1-32. **I.F= 3.1**
- Ashique S, Mohanto S, **Kumar N**, Nag S, Mishra A, Biswas A, Rihan M, Srivastava S, Bhowmick M, Taghizadeh-Hesary F. Unlocking the Possibilities of Therapeutic Potential of Silymarin and Silibinin against Neurodegenerative Diseases-A Mechanistic Overview. *European Journal of Pharmacology*. 2024 Aug 16:176906. **I.F= 4.2**
- Ashique S, **Kumar N**, Mishra N, Muthu S, Rajendran RL, Balakumar C, Obeng BF, Hong CM, Krishnan A, Ahn BC, Gangadaran P. Unveiling the Role of Exosomes as Cellular Messengers in Neurodegenerative Diseases and their Potential Therapeutic Implications. *Pathology-Research and Practice*. 2024 Jul 11:155451. **I.F= 2.9**
- Ashique S, Mishra N, Garg A, **Kumar N**, Khan Z, Mohanto S, Chellappan DK, Farid A, Hesary FT. A Critical Review on the Role of Probiotics in Lung Cancer Biology and Prognosis. *Archivos de Bronconeumología*. 2024 May 6. **I.F= 8.7**
- Sumel Ashique ,Md. Faiyazuddin , Mithun Bhowmick , Shakira Ghazanfar , **Nitish Kumar** , Prashant Kumar , Sourav Mohanto , B.H. Jaswanth Gowda , Mahalaqua Nazli Khatib , Shilpa Gaidhane , Quazi Syed Zahiruddin , Ranjit Sah. Unlocking the Secrets of Probiotics – A Therapeutic Breakthrough for Major Depressive Disorders. *Journal of Biological Regulators and Homeostatic Agents*. 2024, 38(5): 3583-3603. **I.F= 3.2**
- **Kumar N***, Tyagi N, Mehan S, Singh AP. Formulation of Solid Lipid Nanoparticles Loaded with Rosiglitazone and Probiotic: Optimization and In-vitro Characterization. *Recent Patents on Nanotechnology*. 2024 Jan 15. **I.F= 2**
- Fatima N, Ashique S, Upadhyay A, Kumar S, Kumar H, **Kumar N**, Kumar P. Current Landscape of Therapeutics for the Management of Hypertension-A Review. *Current Drug Delivery*. 2023 Jun 23. **I.F= 3.758**
- **Kumar N***, Sahoo NK, Mehan S. The importance of gut-brain axis and use of probiotics as a treatment strategy for multiple sclerosis. *Multiple Sclerosis and Related Disorders*. 2023 Feb 2:104547. **I.F= 4.808**
- Alharbi M, Alshammari A, Kaur G, Kalra S, Mehan S, Suri M, Chhabra S, **Kumar N**, Alanazi WA, Alshanwani AR, AL-Ghamdi AH. Effect of Natural Adenylcyclase/cAMP/CREB Signalling Activator Forskolin against Intra-Striatal 6-OHDA-Lesioned Parkinson's Rats: Preventing Mitochondrial, Motor and Histopathological Defects.

Molecules. 2022 Nov 17;27(22):7951. **I.F= 4.927**

- Kapoor T, Mehan S, Suri M, Sharma N, **Kumar N**, Narula AS, Alshammari A, Alasmari AF, Alharbi M, Assiri MA. Forskolin, an Adenylcyclase/ cAMP/CREB Signaling Activator Restoring Myelin-Associated Oligodendrocyte Destruction in Experimental Ethidium Bromide Model of Multiple Sclerosis. *Cells* 2022, 11, 2771. **I.F= 7.666**
- Ashique S, Khatun T, Sahu G, Upadhyay A, Adhana A, **Kumar N**, Kumar S, Sandhu N. 'Convalescent Plasma'-An Effective Treatment Option to Prevent Emerging nCOVID-19-A Review. *Infectious Disorders Drug Targets*. 2022 Apr 25.
- Ashique S, Upadhyay A, **Kumar N**, Chauhan S, Mishra N. Metabolic syndromes responsible for cervical cancer and advancement of nanocarriers for efficient targeted drug delivery-A review. *Advances in Cancer Biology-Metastasis*. 2022 Apr 14:100041. **I.F= 2**
- Sharma N, Shandilya A, **Kumar N**, Mehan S. Dysregulation of SIRT-1 Signaling in Multiple Sclerosis and Neuroimmune Disorders: A Systematic Review of SIRTUIN Activators as Potential Immunomodulators and their Influences on other Dysfunctions. *Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders)*. 2021 Oct 1;21(10):1845-68. **I.F= 2.895**
- Kumar R, Singh C, Tyagi S, **Kumar N**. Ayurvedic Treatment of Bipolar Disorder. *American Journal of Biomedical Research*. 2021 Apr 14;9(1):5-9.
- **Kumar N**, Sharma N, Mehan S. Connection between JAK/STAT and PPAR γ signaling during the progression of multiple sclerosis: Insights into the modulation of T-cells and immune responses in the brain. *Current Molecular Pharmacology*. 2021 Oct 1;14(5):823-37. **I.F= 3.339**
- **Kumar N**, Sharma N, Khera R, Gupta R, Mehan S. Guggulsterone ameliorates ethidium bromide-induced experimental model of multiple sclerosis via restoration of behavioral, molecular, neurochemical and morphological alterations in rat brain. *Metabolic brain disease*. 2021 Jun;36(5):911-25. **I.F= 3.655**

Book Chapters: Total 3

- Prashant Kumar, Sumel Ashique, **Nitish Kumar**, Anjali Jain, Himanshu Sharma, Surya Nath Pandey, Anita Singh. Regulation of Plant Hormones Under Abiotic Stress Conditions in Plants. *Wiley online library* (2024):243-76. <https://doi.org/10.1002/97811394186457.ch10>
- Bharti Verma, Sumel Ashique, Neeraj Mishra, **Nitish Kumar**, Nidhi Tyagi, Shubneesh Kumar, Deepa Ingawale, Sugandha Mulgund, Ajay G. Namde. Role of synbiotics on modulation of inflammation. *Springer Nature Singapore* (2024): 25-54.

https://doi.org/10.1007/978-981-99-5575-6_2

- Sumel Ashique, Radheshyam Pal, Shubneesh Kumar, Bharti Verma, **Nitish Kumar**, Ivan Kahwa, Arshad Farid, Neeraj Mishra, Prashant Kumar, Farzad Taghizadeh-Hesary. Interplay Between Gut-microbiota and Neurodegeneration, *Advances in Diagnostics and Immunotherapeutics for Neurodegenerative Diseases* (2024) 1: 104. <https://doi.org/10.2174/9789815238754124010009>

Awards and Achievements

- Qualified GPAT 2020 with AIR 1524
- Qualified GPAT 2019 with AIR 1458

Workshops/Seminars/FDPs/Conferences: More Than 25

- Attended one week ATAL FDP on “Revolutionizing Healthcare and Biotechnology: The Role of AI and Computational Techniques” organized by Sethu Institute of Technology.
- Attended one week outcome-based FDP on “Empowering faculty through enhancing teaching skills in pharmaceutical education” organized by ISF college of Pharmacy, Moga, Punjab in collaboration with IKGPTU, Jalandhar , APTI and IQAC-ISFCP.
- Attended one week FDP on “Current Trends and Futuristic Challenges in Pharmaceutical and Healthcare Sector” held at CT University, Ludhiana, Punjab.
- Attended one week FDP on “Recent trends and technologies in pharmaceutical science” held at SRM Institute of Science and Technology.
- Attended one week FDP on “Drug engineering: Challenges and Innovation” held at ITS College of Pharmacy in collaboration with AICTE.
- Attended one week FDP on “Emerging trends in drug engineering” held at KM Kundnani College of Pharmacy in collaboration with AICTE.
- Attended one week FDP on “Emerging trends in pharmaceutical research” held at Dr. DY Patil Institute of Pharmaceutical Science and Research.
- Attended one week FDP on “Current Trends and Futuristic Challenges in Pharmaceutical and Healthcare Sector” held at CT University, Ludhiana, Punjab.
- Attended one week FDP on “Recent trends and technologies in pharmaceutical science” held at SRM Institute of Science and Technology.
- Attended one week FDP on “Drug engineering: Challenges and Innovation” held at ITS

College of Pharmacy in collaboration with AICTE.

- Attended one week FDP on “Emerging trends in drug engineering” held at KM Kundnani College of Pharmacy in collaboration with AICTE.
- Attended one week FDP on “Emerging trends in pharmaceutical research” held at Dr. DY Patil Institute of Pharmaceutical Science and Research.
- Attended international conference on “Recent advance in health sciences” under the theme "Innovations in Sustainable Health Sciences and Research" organized by School of Pharmaceutical Sciences, Lovely Professional University, Punjab on 27th April, 2024.
- Attended international conference on “Chemical and Biological Sciences” organized by Atma Ram Sanatan Dharama College, University of Delhi under the aegis of IQAC and DBT star college scheme during 27th to 29th January, 2024.
- Attended and presented a paper in two days International conference on “Recent trends in biomedical sciences (RTBS)” organized by school of allied medical science in collaboration with the Science and Engineering Research Board (SERB) under the aegis of Lovely Professional University, Punjab during October 6th- 7th, 2023.
- Attended and presented a paper in two days international AMR conference on “Antimicrobial resistance and gut microbiome: Rationalizing prescription in clinical practice” organized by Metro college of health science and research & Indian pharmaceutical association UP state branch during March 03rd- 04th, 2023.
- Attended and presented a paper in two days national conference on “Development of entrepreneurial attitude in pharmacy students” organized by SRM Modinagar College of Pharmacy, SRMIST, Delhi-NCR campus and sponsored by Shastri conference lecture series grant during February 27th- 28th, 2023.
- Participated and presented a paper in the E-presentation session in online mode during the International Bioresource Conclave & Ethnopharmacology Congress (ISESFEC-2023) at City Convention Centre, Imphal, Manipur during February 24-26, 2023.
- Attended international conference on “Nanopharmaceuticals and neurological disorders” organized by Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh and sponsored by IBRO (International brain research organization), France during 2nd to 4th February, 2023.
- Attended 2 days up-skilling workshop on “The art of effective mentoring: a sustained

model” organized by Directorate of alumni affairs, SRM Institute of Science and Technology during 19th & 20th January, 2023.

- Attended 4 days 1st IBRO-APRC associate school on “Advances in nano therapeutics and neurological disorders” organized by ISF college of pharmacy, moga, Punjab and sponsored by IBRO (International brain research organization) from 7th to 10th November, 2022.
- Attended one-day conference on “Advance bioanalytical techniques, Artificial Intelligence and Health sciences” held at ISF College of Pharmacy.
- Attended one-day workshop on “Funding Opportunity for research, innovation, and career development” under aegis of AICTE (SWYAM) held at ISF College of Pharmacy.
- Attended and poster presentation on “Exploration of neuroprotective effects of ellagic acid on scopolamine induced alzheimer’s type dementia in rats” at 70th IPC held at amity university, Noida.
- Attended two days 54th annual conference of IHPA on “safe and effective medicine for all” held at ISF college of pharmacy, Moga.
- Attended one-day international workshop on “Lung Injury-Challenge for therapy & emerging possibilities” held at ISF College of Pharmacy.
- Attended Online webinar on “Fundamental Aspects of Research Protocol Design and Alternatives to Animal Experimentation” conducted and organized by ISF College of Pharmacy.

Work Experience: 1.6 years

Professional Memberships:

Member of Uttar Pradesh Pharmacy Council.