



Prof. (Dr.) Satyendra K. Rajput

Head – Department of Pharmaceutical Sciences
Professor - Pharmacology & Toxicology
Gurukula Kangri (Deemed to be University), Haridwar-249404
President IIC
Director Campus Development
Coordinator IPR Cell
Mob: +91-9990054327
Email: satyendraj@gmail.com, satyendra.rajput@gkv.ac.in

Profile Summary

Dynamic & enthusiastic professional with 16 years of experience in the area of small molecule drug discovery, Herbal Research, particularly involved in target identification and validation of novel therapeutic targets. Significantly contributed with in the primary and secondary screening of NCEs for a variety of therapeutic targets including enzymes/proteins particularly in the area of Central Nervous System (Stroke, Alzheimer's Diseases, Parkinson's Diseases, and Epilepsy), Cardiovascular System (Myocardial Infarction, Arrhythmia, Hypertension), Liver Diseases, Diabetes, Obesity, and other Safety and Toxicological Aspects etc. Currently actively involved in DBT, AYUSH and Industry sponsored projects.

Steered successful efforts for Patents and Research Publications:

- **h-index** = 14
- **i-10 index** = 22
- **Patents** = 18
- **Publications** = 62
- **Books and Book Chapters** = 5 & 7
- **Presentations** = 150
- **Cumulative impact factor** = 130
- **PhD and PG guided** = 26
- **Projects (Govt. funded and Industry sponsored)** = 13
- **Total Amount Funded** = INR 150,00,00,000
- **Seminars and webinars – organized/ attended** = 200

Highly creative with innovative ideas/concepts for increasing the transference of learning from the lower level to the higher level.

A forward-thinking person with strong communication, analytical & organizational skills; well organized with a track record that demonstrates self-motivation & creativity to achieve corporate & personal goals.

Major Subjects Taught

- **Quantitative Techniques**
 - **Biostatistics**
 - **Pharmacology & Toxicology**
 - **Drug Discovery and Development**
 - **Anatomy, Physiology and Pathology**
 - **Pharmacology Screening & Toxicology Methods**
 - **Research Methodology & Medical Writing**
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EDUCATION in Pharmacy, Pharmacology and Toxicology (remained among toppers)

- ❖ PhD in Pharmacology & Toxicology from National Institute of Pharmaceutical Education and Research (NIPER) S.A.S. Nagar. Sector 67, S.A.S. Nagar (Mohali)-160062, Punjab (India); Awarded in 2011;
 - Thesis title: **Neuroprotective Potential of Newer Thyrotropin Releasing Hormone Analogs in CNS Disease Models;**
 - Guide's Name: Prof. Shyam S. Sharma, PhD., Department of Pharmacology and Toxicology; M.S. (Pharm)-Pharmacology & Toxicology from NIPER (Mohali): 2006 Grade 9.38 (Gold Medallist)
 - ❖ B. Pharmacy from Babu Banarsi Das National Institute of Technology & Management, Lucknow: 2003 with Grade 8.44 (First Honors);
 - ❖ Intermediate from Shri Gopal Inter College Auraiya: 1999 with 81.00% (First Honors)
 - ❖ High School from Shri Gopal Inter College Auraiya: 1997 with 81.83% (First Honors)
 - ❖ Registered Pharmacist-33379: Uttar Pradesh State Pharmacy Council, Lucknow
 - ❖ GATE: 99.37 (2003) GATE: 98.38 (2004)
 - ❖ UGC-CSIR-NET: Qualified
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Core Competencies/ SOFT SKILLS

- **Academics/Research**
 - **Innovative Curriculum Development**
 - **Training & Teaching Program/Content Development**
 - **Resource Planning & Allocation**
 - **Performance Management People Management**
 - **Team Building & Leadership**
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EDUCATION IN YOGA

1. Qualified Yoga Instructor by Yoga Certification Board, Ministry of AYUSH, Government of India
2. Certificate Course in Yoga for Protocol Instructor (CCYPI) from Morarji Desai National Institute of Yoga, Ministry of AYUSH, Government of India
3. Foundation Course in Yoga Science for Wellness (FCYScW) from Morarji Desai National Institute of Yoga, Ministry of AYUSH, Government of India

Professional Experience

September 2020 to till date

Head and Professor of Department of Pharmaceutical Sciences, Gurukul Kangri Deemed to Be university, Haridwar

July'2013 to September 2020 with Amity University, Uttar Pradesh

- 2019** : Amity Institute of Pharmacy, Amity University Noida Campus
- 2018** : Director, Amity Institute of Indian System of Medicine
- 2018** : Coordinator – Amity Centre for Yoga Education, Therapy and Research (under the aegis of MDNIY, Ministry of AYUSH, GOI)
- 2018- 2019** : Associate Professor – Pharmacology & Toxicology, Amity Institute of Pharmacy, Amity University UP
- 2013-2018:** : Assistant Professor – Pharmacology & Toxicology, Amity Institute of Pharmacy, Amity University UP
- 2011-2013** : Associate Professor – Pharmacology, Chitkara University
- 2010-2011** : Assistant Professor – Pharmacology, ISF College of Pharmacy, Moga, Punjab
- 2006-2010** : Senior Research Fellow – Pharmacology & Toxicology, NIPER-SAS Nagar (As per UGC norm experience to be counted equivalent to Assistant Professor)
- 2003-2004** : Lecturer (Visiting): BBDNITM, Lucknow

Other Administrative Responsibilities

1. Revolutionize as IIC (Institution's innovation council) President of Gurukul Kangri University with extensive result and connect to MSME which help in different Startups, innovation, IPR activity. Successfully completed IIC3.0 and IIC4.0 is undergoing.
2. Coordinator of IPR Cell with a fruitful result including 22 patents are filled in the session of 2020-2021 from gurukul kangri university.
3. Coordinator of Webcast, all scientific, motivational, cultural, sports events are recorded and live streaming in YouTube and Facebook through WebEx and Daily haven recorded and shared in the Facebook and YouTube page of Gurukul kangri University.
4. University Proctor (2015 to 21 September 2020), Amity University

5. Sport Coordinator (2013 to 21 September 2020), Amity University Research Coordinator (2014 to 21 September 2020), Amity University Scientist-in-charge IAEC (2013 To 2015), Amity University
6. Dy Superintendent Examination Center (2010-2011): ISF College Moga Chairman GPAT Committee (2010-2011): ISF College Moga
7. Hostel Representative (2008-2010), NIPER Mohali

Also contributed as Member of Academic Council, Member of BOS, in-Charge-Laboratory (APHE, Pharmacology) and Animal House Facility, Member Admission Board

Other positions

1. President -IIC cell Gurukul deemed to be university
2. IPR coordinator Gurukul deemed to be university
3. Joint secretary CENTRAL – Indian Pharmacy Graduate Association
4. Director – Research (Indian Yoga Association) Uttar Pradesh
5. Vice President – Institutions Innovation Cell, Indian Ministry of Human Resource Development (MHRD) AIP
6. Vice Chairman – Yoga Sport Association Uttar Pradesh
7. Coordinator - Amity University Fit India Movement
8. Executive Member (National) – Alumni, Executive Committee, NIPER – SAS Nagar

Achievements in Gurukul kangri Deemed to be University

1. Increase the seats in the Gradation OF pharmacy B.Pharm 60- 100
2. Starts new Course Masters in Pharmacy M. Pharm with the 9 seats
3. Organized 3 Months Aushadhiya Padap Mahakumbh 2021 in which international and national people are connected, People from the USA and London, Australia. In National various minister and various Professor from the government university and various hospitals.
4. Organized the Health check-up camp week in which awareness of diseases and prevention from diseases.
5. Developed ICL (Instrument Central Laboratory) for the characterization of samples
6. Developed the Studio Gurukul Sandesh
7. Created the You-tube channel of Gurukul kangri University, Gurukul Sandesh in which all events are shared and live streaming
8. Published Journal of Gurukul Kangri University, Gurukul Ausadhi Sandesh
9. Organized International conference on the occasion of Pharmacist Day in which 400 candidates are registered from the national and international (Malaysia, London)

10. Organized National pharmacy week cum sports meet in the Gurukul kangri university in which 600+ candidates are registered. 18 teams in the crickets and 8 teams in volleyball and various participants in the different 18 games. Participants are participating from China, London and other places.
11. Developed the smart classroom with matching Global era for the betterment of students and Teachers
12. Install the Excretion unit in the laboratory.
13. Install the Extraction unit in the department for the separation of Volatile oil Eucalyptus, camphor,
14. Actively participate in the NAAC, IQAC, Green campus, Self-management
15. Guiding Various research Scholar fruitful research in the various department Rishikul campus, Department of Pharmaceutical sciences
16. Development of therapeutic Garden funded by Ayush Project
17. Development of new line leader active Engagement of youth & Vateria for the International glory of Gurukul Kangri
18. Sustainable Development of Products of gurukul Product like haven samgiri, Nutraceutical Food product.
19. Actively engagement of University Admission, Prospector and achieve a Milestone in the admission Process B.Pharma 110 and D.Pharma 66 and M.Pharma 9
20. Motivational Speaker for the Promoting Arya Samaj and Main speaker in acharya Ramdev devas, NSS Scheme, Book launching Ceremony
21. Putting Gurukul Culture In the global platform live broadcasting
22. Main speaker in the various workshop like facilitation of GPAT candidate in which President of PCI also joined in the conference and motivate to youth
23. Organized the workshop in which described in the how to grant the research proposal from the funding agency.
24. Actively Support in Shardhanand Health Centre.
25. Works as expert in the Uttarakhand Govt. Health and food testing labs
26. Works as expert in the selection committee in the Ayush Ministry

Administration Work

1. Revolutionize as IIC (Institution's innovation council) President of Gurukul Kangri University with extensive result and connect to MSME which help in different Start-ups, innovation, IPR activity. Successfully completed IIC3.0 in 2021 session and IIC4.0 is undergoing and conducting 14 activities in the 2021-2022 session
2. Coordinator of IPR Cell with a fruitful result including 22 patents are filled in the session of 2020-2021 from Gurukul Kangri University
3. Coordinator of Webcast, all scientific, motivational, cultural, sports events are recorded and live streaming in YouTube and Facebook through WebEx and Daily haven recorded and shared in the Facebook and YouTube page of Gurukul kangri University.
4. **Enhanced the intake** of UG Program (B. Pharma) from 60 to 100 Seats. (Financial benefit of the Institution Approx. **36 Lakhs per annum**)

5. **Started new PG Program (M.Pharm Pharmacology)** in session 2021-2022 (Financial benefit of the Institution Approx. **9.45 Lakhs per annum**)
6. Started the application of M.Pharm Pharmaceuticals for session 2022-2023
7. **Gurukula Aushdiy Sandesh Magazine/ Journal** registered with NISCAIR, Govt. of India.
8. **Actively participate in the NAAC, IQAC, Green campus, Self-management**
9. **Actively engagement of University Admission, Prospectus and achieved a milestone in the admission Process B. Pharma 110 and D. Pharma 66 and M. Pharma 9**
10. **Completed admission in one day for B.Pharm 110 and D.pharma 66 and M.pharma 9**
11. Promoted Research and Innovation work culture in the capacity of IPR Coordinator and President IIC, and achieved milestone of Patent filing awareness for startups.
12. Director of Campus Development in Gurukula Kangri University.

Workshop/Webinar/Conference/ Training Programme

1. Organized 5th, 6th, 7th Orientation training Programme by Emplanned training institute, Ministry of Youth Affair and sports, Govt. of India in February and March 2022 as a vice chairman of organizing committee
2. Organized one of longest duration Conference **4 Months Ausdhiy Padap Maha Kumbh-2020 (January 14 2020 to 28 April 2021)** engaging hundreds of experts from India and Overseas. Benefiting thousands of students from India and Abroad. (Self-generated resources)
3. Organized **International Conference** with 400 participants from India and Abroad. (Self-generated resources)
4. Organized **IPR Workshop** with 350 participants from India and Abroad. (Self-generated resources)
5. Organized **National Pharmacy Week & Sports Meet** with 600 participants from India and Abroad. (Self-generated resources)
6. Organized **Research Grant Writing Workshop**. (Self-generated resources)
7. Organized **Motivational Session for GPAT Toppers** with **President of Pharmacy Council of India (PCI)**. (Self-generated resources)
8. Organized the workshop in which described in the how to grant the research proposal from the funding agency
9. Organized the Health checkup camp week in which awareness of diseases and prevention from diseases
10. Sanctioned **0.20 Lakhs** in 2021 for organizing the IPR Workshop. (**Organizing Secretary**)
11. Projects Sanctioned **0.20 Lakhs** in 2022 for organizing the IPR Workshop. (**Organizing Secretary**)
12. Sanctioned **0.60 Lakhs** for organizing National Science Day. (**Convener**)
13. Sanctioned **0.50 Lakhs** for organizing Mega Conference and Exhibition. (**Organizing Secretary**)

Infrastructure Developed

1. **Established Studio** for Live Recording and Webcasting. (Self-generated resources)
2. **Established Medicinal Plant Nursery**. (Self-generated resources)
3. Initiated Foot Over Bridge on NH-58 for the safety of student and visitors.
4. Started YouTube Channel named **Gurukula Sandesh** for Internationalizing the glory of Gurukula Kangri (Deemed to be University) and promoting the philosophy of Arya Samaj in India and Abroad.

5. **Developed ICL (Instrument central laboratory) for the characterization of samples**
6. **Actively Supported in Shradanand Health Centre.**
7. Developed the smart classroom with matching Global era for the betterment of students and Teachers
8. Install the Extraction unit in the department for the separation of Volatile oil Eucalyptus, camphor, etc
9. Development of therapeutic Garden funded by AYUSH Project
10. Development of therapeutic Garden funded
11. **Sustainable Development of Products of gurukul Product like haven samgiri, Nutraceutical Food product**
12. Established Mahasay ka Jalashay with Ganga water and Rain Harvesting

As a Expert

1. Facilitated development of **FDA Laboratory in Uttarakhand** as Expert.
2. **Panelist in Recruitment Panel** of CCRUM Ministry of AYUSH, Govt. of India.
3. **Panelist in Recruitment Panel** of HNB University Srinagar
4. **Panelist in Recruitment Panel** of Centre for Aromatic Plants.
5. **Guiding Various research Scholar fruitful research in the various department RishiKul campus, Department of Pharmaceutical sciences**
6. **Main speaker in the various workshop like facilitation of GPAT candidate in which President of PCI also joined in the conference and motivated to youth**
7. Motivational Speaker for the Promoting Arya Samaj and its Principles in various occasions including in acharya Ramdev devas, NSS Scheme, Book launching Ceremony
8. Sustainable Development of Products of gurukul Product like haven samgiri, Nutraceutical Food product.
9. Expert lecture in “Traditional Medicine-Modern Approaches for Affordable and Accessible Healthcare” funded by the DST organized in Amity University
10. Plenary lecture at the IBRO-APRC associate school of neuroscience on ‘Advances in Neurodegenerative Disorders and Therapeutics’ organised by Amity Institute of Neuropsychology and Neurosciences, Amity University
11. Resource person for the GUJCOST Sponsored Two Days Online National Workshop on "In-vitro and in-vivo models in neuro-psychological screening” in Ganpat university
12. Expert lecture in IPR Day

Research Projects: 08

1. Thematic Therapeutic and Distinguish Designed Herbal Garden of National/State Importance by NMPB, Ayush ministry @23,00,000(Rupees twenty-three lakh only)
2. Formulation & Evaluation of Khamira Banafsha based Comestible Chocolate coated Lozenges/Troches: Prophylactic and Restorative Potential against COVID-19 Infection and associated complications (Sanctioned) by CCRUM, AYUSH @9,95,400.00 (Rupees Nine Lakhs Ninety-Five Thousand Four Hundred Only)
3. Capacity building project - One Month Yoga Training Course for 100 participants from Ladakh at the behest of Government of India, Ministry of AYUSH in association with Morarji Desai National

- Institute of Yoga (MDNIY) as Coordinator (completed) @ Rs. 1861600.00 (Rupees Eighteen Lakhs Sixty-One Thousand Six Hundred Only)
4. Smart Hyaluronic Acid - Hydrogel Hybrid for Wound Healing (DBT) as PI (On-going) @ Rs. 4084800.00 (Rupees Forty Lakhs Eighty-Four Thousand Eight Hundred Only)
 5. Cytotoxic, Antitumor and Angiogenesis Evaluation of Plant Based Preparations against Ehrlich Ascites Cells Bearing Mouse as Co-PI (On-going) @ Rs. 12,90,000.00 (Rupees Twelve Lakhs Ninety Thousand Only)
 6. Awareness and Ex-situ Conservation through establishing Demo Medicinal Gardens, distribution of MAPs & Extension activities (NMPB) (Revived 10 years long pending project and completed) @ Rs. 17,00,000.00 (Rupees Seventeen Lakhs Only)
 7. Development of Organic Model gardens by using quality planting material (QPM) through cost effective IPM technologies” considered for one at the moment @ Rs. 5,40,000.00 (Rupees Five Lakhs Forty Thousand Only)
 8. Optimization the Uptake of Carbon Nanomaterials within the Cell and to Investigate Radio sensitization as a Function of Nanomaterial Size and Dose using Therapeutic Irradiation with a Range of Different Energies (IUAC) as Co-PI

Consultancy Projects: 05

1. Investigation of samples against the Hair growth, Anemia, constipation, Nassel congestion by Swabe Research@2,00,000 (Two lakh only)
2. Preparation of Nutraceuticals and food preparation of Egro-waste of cannabis @8,00,000(Eight lakh)
3. Jagat Pharma Industry Sponsored Project on Diabetes and Documentation for New Drug as Principle Investigator @ Rs. 3,00,000.00 (Rupees Three Lakhs Only)
4. Dr Willmar Schwabe Industry Sponsored Project on Diabetes as Principle Investigator @ Rs. 2,00,000.00 (Rupees Two Lakhs Only)
5. Dr Willmar Schwabe Industry Sponsored Project on Hair growth as Principle Investigator @ Rs. 28,500.00 (Rupees Twenty-Eight Thousand Eight Hundred Only)

Patents: 17

1. Animal Cage with post-operative intensive care system, Reference No: E-101/37524/2017-DEL.
2. N-doped Carbon Nano Sheet based hydrogel composite for wound healing
3. Attenuated GSK-3 β induced cardio protection by novel formulation of copper metal nanoparticle, Reference No: E-101/22297/2017-DEL.
4. Orthotics shoe, Application No:201711016939, Reference No: E-101/27526/2017-DEL.
5. Pressure modulating device for diabetic foot ulcer healing, Reference No: E-101/62005/2016-DEL.
6. Self-Driven Biopsy Punch, Reference No: E-101/78678/2016-DEL.
7. Nano Herbal Formulation Treatment of Alcohol Intoxication; 2960/DEL/2014
8. A CNS effective Thyrotropin Releasing Hormone Analogs; 2065/DEL/2006

9. Development of Temperature Measurement and Monitoring Model for Baby Feeding Bottle
10. Development of Gayatri Doll Toy for smart learning in childhood
11. IMPOSEI: AI-enabled Application to use front and rear camera for supporting real-time photography
12. Formulation and Evaluation of Topical Herbal Nano Gel of *Rhododendron arboretum* for Accelerated Wound Healing
13. Formulation and Evaluation of Cream of pulp of fruit of *Elaeocarpus angustifolius* for Wound Healing
14. AI based cosmetic product selection/identification
15. Development Smart & Intelligent Yoga Assistant (SIYA) Mobile App
16. Development of Mobile Based Application for Local Area Awareness and Warning System (LAAWS)
17. AI-enabled Application to use front and rear camera for supporting real-time photography

Awards and Professional Recognition

1. Conferred with Gurukul Gaurav and Excellent at, 2021
2. Conferred with Utkrsht Sikshak saman Awards,2021
3. Received **Research Excellence Award 2019** during Conference on Research and Development at Indian Drugs and Pharmaceuticals Limited Rishikesh by Sh. Sanjay Kumar General Manager (Tech) IDPL and Dr. Pankaj Sharma President IPGA Uttarakhand (Nov 7, 2019)
4. Received **APJ Abdul Kalam Innovation Award 2019**, Amity University Uttar Pradesh for contribution in Research, Award is presented by Grandnephew of Dr. APJ Abdul Kalam & Head of Abdul Kalam International Foundation (October 15, 2019)
5. Received **IPGA Professional Excellent Award 2019** at Biswa Bangla Convention Center Kolkata for outstanding contribution in research in the field of Diabetic wound healing. August 17, 2019
6. Received **LOQMAN AWARD** Supported by Institute of Entrepreneurship Development Govt of UP in Excellence in Research and Drug Development on June 23, 2019 at Dehradun UK (Presented by Shri DP Singh, MSME, Government of India and Mohammad Nagaman Lateef, Chairman of Nagamans Helping Foundation, Saudi Arabia) for contribution in developing herbal based therapeutics as antidote for Antabuse.
7. Received **Youngest Director and Innovator Award** by Pharmaceutical Royal International Society Bhopal (PRISAL) in the National Conference On “Pharmaceuticals: Bench To Bedside- Challenges, Recent Initiatives And Future Perspectives” co-organized by Bhabha University, Bhopal established by an act of Govt. of Madhya Pradesh on May 26, 2019 at Bhopal, MP (Presented by Prof. M. P. Poonia, Vice- Chairman AICTE, Mr. OM Jain Chairman Pharmacy Council M.P) for designing and innovating device for pharmacology experiment and also device for diabetic foot ulcers.
8. Received **Special Recognition award** by Sh. Shripad Naik, Honourable Minister of AYUSH, GoI and Dr. Ashok K Chauhan, Founder President AKC Group of Companies (resented on the eve of World Environment Day, June 5, 2019)

International Travel Awards

1. **France:** Department of Science and Technology
2. **USA:** Indian Council for Medical Research for USA, Department of Science and Technology for USA, Central for Scientific and Industrial Research for USA, Department of Biotechnology for USA (2010)
3. **Dubai:** In-house, Amity University (Dr Ashok K Chauhan, Founder President Amity Universe and AKC Group of Companies (2017)
4. **Abu Dhabi:** In-house, Amity University (Dr Ashok K Chauhan, Founder President Amity Universe and AKC Group of Companies (2019)

Membership

1. UP/LM-558 Life Member Association of Pharmaceutical Teachers of India (APTI)
2. LS911: Life Member Indian Pharmacological Society (IPS)
3. LM-4365: Life Member Indian Pharmacy Graduates' Association (IPGA)
4. SPER/LM/PB/020: Life Member Society of Pharmaceutical Education and Research (SPER)
5. IYA/LM/221: Life Member Indian Yoga Association (IYA)

Skilled learned

1. Quantitative Techniques, biostatistics and software
2. Behavioural Pharmacology (Functional Observation Battery, Anxiety, Depression, Parkinson's disease, Alzheimer's disease, Brain Stroke, Epilepsy etc.)
3. Major and Minor Surgeries Cannulation of different artery and veins in rodents for cardiovascular parameters using Power lab, Biopac and also for Pharmacokinetics of CNS active compounds
4. Biochemical estimations including neurotransmitters from cortex, hippocampal and striatal regions using HPLC
5. Simple, confocal, fluorescence Microscopy for quantification of tissue/cellular damage in different tissues (Brain, Heart, Kidney, Liver etc.)
6. Major and minor revival surgeries for induction of clinical symptoms in rodents and also for implantation transmitters, cannula for recording of different parameters and collection of blood for longer duration.
7. Isolated heart preparations and acquiring cardiovascular parameters using Langendorff
8. Induction and evaluation for diabetes, obesity, hypertension, other cardiovascular and associated diseases.
9. Induction and evaluation of hydrogel-based formulations for Wound healing in rats
10. Extensive in-vitro evaluation for neuroprotection, neurotoxicity and stability of drugs in plasma

11. Have exposure and hand on training on GLP, Safety pharmacology, SDS-PAGE, MALDI, LC-MS, ChemDraw, Reference Management Software (EndNote Plus), Prism Graph Pad, Sigma Stat, Sigma Plot, SPSS, Scientific information retrieval using search engines like ScienceDirect, PubMed, Highwire, Scopus etc

Publications: 62 (Cumulative Impact Factor: ~118)

2022

1. MEENA, V., GULL, A., JAIN, N., MADAN, S., KUMAR, D., MATHUR, R., & RAJPUT, S. K. (2022). Development and Assessment of Mitoxantrone and 4-Methyl Umbelliferone Nanoemulsions for Chemotherapeutic Potential on MCF-7 Cell Line. *Journal of research in pharmacy (online)*, 26(3), 469-482.

2021

2. Dubey, V. K., Madan, S., Rajput, S. K., Singh, A. T., & Jaggi, M. (2021). Single and repeated dose (28 days) intravenous toxicity assessment of bartogenic acid (an active pentacyclic triterpenoid) isolated from *Barringtonia racemosa* (L.) fruits in mice. *Current Research in Toxicology*. Scopus
3. Dubey, V. K., Budhauriya, A., Jaggi, M., Singh, A. T., & Rajput, S. K. (2021). Tumor-suppressing effect of bartogenic acid in ovarian (SKOV-3) xenograft mouse model. *Naunyn-Schmiedeberg's archives of pharmacology*, 394(8), 1815-1826.
4. Taneja, G., Sharma, A. K., Khanna, D., & Rajput, S. K. (2021). Effect of pantoprazole on IR-induced myocardial injury in diabetic rats targeting inflammatory cytokine release and oxidative stress. *Iranian Journal of Basic Medical Sciences*, 24(5), 615.
5. Mishra P, Sinha JS, Rajput SK Cognition and memory impairment attenuation via reduction of oxidative stress in acute and chronic mice model of epilepsy using antiepileptogenic *Nux vomica*, *Journal of Ethnopharmacology (accepted)* (I.F.- 3.7) Scopus
6. Mishra, P., Sinha, J. K., & Rajput, S. K. (2021). Efficacy of *Cicuta virosa* medicinal preparations against pentylenetetrazole-induced seizures. *Epilepsy & Behavior*, 115, 107653.
7. Bhardwaj, R., Mittal, A. K., Sharma, N., Madan, S., Kharkwal, H., Rajput, S. K., & Valavan, R. Anti-nociceptive Potential of OlmuTM and its Safety Study through Skin Irritation Test.

2020

8. Taneja G, Sharma AK, Deep A, Rajput SK*, Dose and Time -dependent Toxicological Impact of Pantoprazole on Vascular Endothelium and Renal Tissue, *Toxicology Letters (accepted)* (I.F.- 3.8) Scopus
9. Mittal AK, Bhardwaj R, Arora R, Singh A, Mukherjee M, Rajput SK Acceleration of wound healing in diabetic rats through poly Dimethylaminoethyl acrylate- Hyaluronic acid (pDMAEMA-HA)

- polymeric hydrogel impregnated with *Didymocarpus pedicellatus* plant extract, ACS Omega (accepted) (I.F.- 3.7) Scopus
10. Mishra P, Mittal AK, Madan S, Kalonia H, Sinha JS, Rajput SK. SIRT1 promotes neuronal fortification in neurodegenerative diseases through attenuation of pathological hallmarks and enhancement of cellular lifespan, Current Neuropharmacology 2020 Jul 28. doi: 10.2174/1570159X18666200729111744. (I.F.- 5.6) Scopus
 11. Bhardwaj KK, Bangarurajan K, Naved T, Rajput SK. Terror of 10 MB, a cross-sectional study investigates the regulation to the prospective of medical device, J Adv Pharm Technol Res. 11:89-94 (IF 1.02) Scopus
 12. Mittal AK, Bhardwaj R, Mishra P, Rajput SK. Antimicrobials Misuse/Overuse: Adverse Effect, Mechanism, Challenges and Strategies to Combat Resistance accepted The Open Biotechnology Journal. (I.F.- 0.54) Scopus
 13. Bhardwaj KK, Bangarurajan K, Naved T, Rajput SK, Perspective, Perceptions, and Promulgation of Biosimilars: A Questionnaire-based Study to Assess and Understand the Current Challenges of Biosimilars to the Potential and Intended Users, Journal of Pharmacy and Bioallied Sciences, 12:124-130 (I.F.- 0.45) Scopus
 14. Singh A, Shakeel A, Kochhar D, Jeevanandham S, Rajput SK, Mukherjee M. Polymeric worm-like nanomicellar system for accelerated wound healing. Journal of Advanced Pharmaceutical Technology & Research 36:36-43 (IF 1.02) Scopus
 15. Bansal K, Rajput SK, Sharma V and Mathur VS, Drug Utilization in HF Patients: Exploring Reasons to improve Adherence at Tertiary Care Unit, International Journal of Pharmaceutical Research, 12:371-377 (I.F.- 0.12) Scopus
 16. Bhardwaj R, Mittal AK, Sharma N, Madan S, Kharkhwal K, Rajput SK, Valavan R. Anti-inflammatory, Anti-nociceptive and Toxicity Effects of Homeopathic Formulation Rück-Pain™ Against Spondylitis. accepted Advancements in Homeopathic Research Journal. (IF 0.00)
 17. Madan S, Rajput SK, Dhiman N, Mandal B, Bhardwaj R, Gupta S-Exploration of Antioxidant Potential of Various Medicinal Plants Beneficial for Cancer Therapeutics and Phytochemical Characterization, Standardization. International Journal of Pharmaceutical Research, 2020:12:660-670 (IF 0.00) (I.F.- 0.12) Scopus

2019

18. Singh A, Bhattacharya R, Shakeel A, Sharma AK, Jeevanandham S, Kumar A, Chattopadhyay S, Bohidar HB, Ghosh S, Chakrabarti S, Rajput SK, Mukherjee M. Hydrogel Nanotube with Ice Helix as Exotic Nanostructure for Diabetic Wound Healing Materials Horizons 6:274-284 (I.F.- 14.36) Scopus
19. Bansal K, Rajput SK, Sharma V and Mathur VS: Comparative analysis of socio-economic status in RHD patients: a tertiary care interpretation and exploring reasons to improve adherence. Int J Pharm Sci & Res 2019:10:790-94. (I.F.- 0.12) Scopus

20. Bhardwaj KK, Bangarurajan K, Naved T, Rajput SK. A questionnaire-based study to assess the status and perspective of fixed-dose combination among the various stakeholders including regulators, clinicians, researchers, and industry. *J Adv Pharm Technol Res* 10:138–142 (I.F.- 1.02) Scopus
21. Bansal K, Rajput SK, V. Sharma and V. S. Mathur. Comparative analysis of socio-economic status in RHD patients: a Tertiary care interpretation and exploring reasons to improve Adherence *IJPSR* 10:1000-05. (I.F.- 0.45) Scopus
22. Verma R, Swati Madan S, Rajput SK, Assessment of Regional Lead Contamination in Delhi NCR, distribution, source apportionment, and Human Health Risks, *International Journal of Pharmaceutical Research*, 11:327-335 (I.F.- 0.45) Scopus
23. Verma R, Swati Madan S, Ali F, Rajput SK, Optimization and Validation of a Rapid and Direct Sampling Method for the Estimation of Lead in Whole Blood Using Graphite Tube Atomizer-Atomic Absorption Spectroscopy s, *International Journal of Pharmaceutical Research*, 11:336-347 (I.F.- 0.45) Scopus

2018

24. Kaur P, Sharma AK, Nag D, Das A, Datta S, Ganguli A, Goel V, Rajput SK, Chakrabarti G, Basu B, Choudhury D. Novel nano-insulin formulation modulates cytokine secretion and remodeling to accelerate diabetic wound healing *Nanomedicine* 15:47-57. (I.F.- 6.7) Scopus
25. Sharma AK, Kumar A, Sahu M, Sharma G, Datusalia AK, Rajput SK. Exercise preconditioning and low dose copper nanoparticles exhibits cardioprotection through targeting GSK-3 β phosphorylation in ischemia/reperfusion induced myocardial infarction *Microvasc Res.* 2018;120:59-66. (I.F.- 2.5) Scopus
26. Sangam S, Gupta A, Shakeel A, Bhattacharya R, Sharma AK, Suhag D, Chakrabarti S, Garg SK, Chattopadhyay S, Basu B, Kumar V, Rajput SK, Duttah MK, Mukherjee M. Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond, *Green chemistry* 20 (18), 4245-4259 (I.F.- 9.2) Scopus
27. Sharma AK*, Kumar A, Datusalia A, Taneja G, Nagaich U, Rajput SK.* Combined and individual strategy of exercise generated preconditioning and low dose copper nanoparticles serve as superlative approach to ameliorate ISO- induced myocardial infarction in rats, *Pharmacol reports* 2018;70:789-795. (I.F.- 2.5) Scopus
28. Kumar V, Sharma AK, Rajput SK, Pal M, Dhiman N. „Pharmacognostic and pharmacological evaluation of *Eulaliopsis binata* plant extracts by measuring of in-vitro/in-vivo safety profile and anti-microbial potential“ *Toxicol Res*, 2018;7:454-464. (I.F.- 1.9) Scopus
29. Katyal T, Singh A, Sachdeva M, Sharma AK, Rajput SK*. Pulmonary Hypertension: Molecular Aspects of Current Therapeutic Intervention and Future Direction. *J Cell Physiol*, 233:3794-3804. (I.F.- 4.1) Scopus

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30. Sharma AK, Kumar A, Kumar S, Mukherjee S, Nagpal D, Nagaich U, Rajput SK*. Preparation and Therapeutic Evolution of Ficus benjamina Solid Lipid Nanoparticles against Alcohol Abuse/Antabuse Induced Hepatotoxicity and Cardio-Renal Injury. *RSC Adv* 7:35938-35949. (I.F.- 3.2) Scopus
31. Shakeel A, Singh A, Singh A, Das S, Sharma AK, Suhag D, Rajput SK, Mukherjee M. Synthesis and Morphological Insight of New Biocompatible Smart Hydrogels. *Journal of Polymer Research* 24:113 (I.F.- 2.0) Scopus
32. Suhag D, Sharma AK, Rajput SK, Saini G, Chakrabarti S, Mukherjee M. Electrochemically synthesized highly crystalline nitrogen doped graphene nanosheets with exceptional biocompatibility. *Scientific reports* 7:1-11. (I.F.- 2.0) Scopus
33. Kaur N, Sharma AK, Shakeel A, Kumar V, Singh A, Gupta A, Suhag D, Rajput SK*, Mukherjee M. Therapeutic implications of superoxide dismutase and its importance in kinase drug discovery. *Curr Top Med Chem* 17:2495-2508. (I.F.- 2.0) Scopus
34. Bansal K, Rajput SK, Mathur VS, Exploring Reasons for Medication Non-Adherence in Hypertension Patients, *International Journal of Pharmacy & Life Sciences* 10 (6) (I.F.- 0.12) Scopus
35. Bhardwaj K, Bangarurajan K, Naved T, Rajput SK, A questionnaire-based study to assess the status and perspective of fixed-dose combination among the various stakeholders including regulators, clinicians, researchers, and industry, *Journal of advanced pharmaceutical technology & research* 10:138. (I.F.- 1.02) Scopus
36. Rajput SK, Pharmacological and Non-Pharmacological Approaches to Keep Heart Healthy: Enriching Traditional Knowledge with New Insights, *International Journal of Pharmacy & Life Sciences* 10 (6) (I.F.- 0.12) Scopus.

2016

37. Rajput SK*, Sharma AK, Meena CL, Pant AB, Jain R, Sharma SS. Effect of L-pGlu-(1-benzyl)-L-His-L-ProNH₂ against in-vitro and in-vivo models of cerebral ischemia and associated neurological disorders. *Biomed Pharmacother* 84:1256-1265. (I.F.- 2.3) Scopus
38. Suhag D, Sharma AK, Patnia P, Kumar S, Rajput SK, Chakrabarti S, Mukherjee M. Hydrothermally functionalized biocompatible nitrogen doped graphene nanosheets based biomimetic platforms for nitric oxide detection. *J Mater Chem B* 4:4780-4789. (I.F.- 4.7) Scopus
39. Sharma AK, Kumar A, Taneja G, Nagaich U, Deep A, Rajput SK*. Synthesis and preliminary therapeutic evaluation of copper nanoparticles against diabetes mellitus and -induced micro- (renal) and macro-vascular (vascular endothelial and cardiovascular) abnormalities in rats. *RSC Adv* 6:36870-36880. (I.F.- 3.8) Scopus
40. Sharma AK, Puniakti VTP, Rajput SK. Albiglutide: Is a better hope against diabetes mellitus?. *Biomed Pharmacother* 77:120-128. (I.F.- 2.3) Scopus
41. Sharma AK, Taneja G, Khanna D, Rajput SK. Reactive oxygen species: friend or foe? *RSC Adv* 5: 57267-57276. (I.F.- 3.8) Scopus

2015

42. Sharma AK, Rani E, Waheed A, Rajput SK*. Pharmacoresistant Epilepsy: A Current Update on NonConventional Pharmacological and Non- Pharmacological Interventions. *J Epilepsy Res* 5:1-8. (I.F.- 0.0) Scopus
43. Meena CL, Ingole S, Rajput SK, Thakur A, Nandekar P, Sangamwar AT, Sharma SS, Jain R. Discovery of a low affinity thyrotropin-releasing hormone (TRH)-like peptide that exhibits potent inhibition of scopolamine-induced memory impairment in mice. *RSC Adv* 5:56872-56884. (I.F.- 3.8) Scopus
44. Sawhney A, Amir N, Mazhar M, Gullaiya S, Rajput SK. Childhood Obesity: Reason behind this health crisis. *PharmaTutor* 2015: 3: 11-17. (I.F.- 0.0)
45. Waheed A, Shadhna D, Gupta A, Patel P, Jabin F, Rajput SK. Beverages: Alternative medicine and health benefits. *IJPT* 6:7568-7586. (I.F.- 0.45) Scopus
46. Mazhar M, Ansari A, Rajput SK*. Clinical Pharmacy in India: Recent Advances and Perspective. *PharmaTutor* 3:31- 36. (I.F.- 0.0)
47. Amir N, Mazhar M, Sawhney A, Rajput SK. Fluoride Adulteration in Dental Products. *Pharma Tutor* 2015: 3: 21-23. (I.F.- 0.0)
48. Singh S, Rajput SK*. Histamine Subtype 3 Antagonist: Current Status with Future Prospects in Drug Discovery and Drug Development. *IJPSR* 6:502-509. (I.F.- 0.12) Scopus

2014

49. Pal V, Pandey S, Gupta A, Rajput SK, Agrawal SS. Dementia Therapeutics: Current Strategies and Potential Approaches for its Treatment and Management. *IJPSRR* 28:30-37. (I.F.- 0.12) Scopus
50. Pandey S, Pal V, Gupta A, Rajput SK, Agrawal SS. Depression Associated Cognitive Impairment in School Going Children. *IJPSRR* 27:192-195. (I.F.- 0.12) Scopus

2011

51. Rajput SK, Siddiqui MA, Kumar V, Meena CL, Pant AB, Jain R, Sharma SS. Protective effects of L-pGlu-(2-propyl)-L- His-L- ProNH₂, a newer Thyrotropin Releasing Hormone analog in cytotoxicity and neuronal ischemic injury. *Peptides* 32:1225-1231. (I.F.- 2.6) Scopus
52. Sah N, Rajput SK, Singh JN, Meena CL, Jain R, Sikdar SK, Sharma SS. L-pGlu-(2-propyl)-L-His-L-ProNH₂ Attenuate 4-Aminopyridine and Zero Magnesium-Induced Epileptogenesis and Sodium Current: A Possible Mechanism Action of New TRH Analog for Its Anticonvulsant Potential. *Neuroscience* 199:74-85. (I.F.- 3.3) Scopus
53. Monga V, Meena CL, Rajput SK, Sharma SS, Lu X, Gershengorn MC, Jain R. Synthesis, Receptor Binding, and CNS Pharmacological Studies of New Thyrotropin- Releasing Hormone (TRH) Analogues. *ChemMedChem* 6: 531-541. (I.F.- 3.3) Scopus

2010

54. Sharma SS, Rajput SK, Ingole S, Jain R, Kaur N, Monga V, Meena CL. CNS safety pharmacology of newer TRH Analog-L- pGlu-(1-benzyl)-L-His- LProNH₂. *Journal of Pharmacological and Toxicological Methods* 62:e21–e22. (I.F.- 2.3) Scopus (Conference Proceedings)
55. Rajput SK, Singh JN, Meena CL, Jain R, Pant AB, Sharma SS. L-pGlu- (1-Benzyl) -L-His-L-ProNH₂: a Newer Thyrotropin-Releasing Hormone Analog with anticonvulsive and neuroprotective properties. *FASEB J* 2010; 24: 762.9. (I.F.- 6.5) Scopus (Conference Proceedings)
56. Rajput SK, Singh JN, Sharma SS. Evaluation of the Terfenadine and Ketoconazole-induced QT Prolongation in Conscious Telemetred Guinea Pigs. *Pharmacol Rep* 62: 682-688. (I.F.- 2.3) Scopus

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57. Rajput SK, Singh JN, Ingole S, Jain G, Kaur N, Monga V, Meena CL, Jain R, Sharma SS. Neuropharmacological Profile of L-pGlu-(1- Benzyl)-L-His-L-ProNH₂, a newer Thyrotropin-Releasing Hormone Analog: Effects on Seizure Models, Sodium Current, Cerebral Blood Flow and Behavioral Parameters. *Epilepsy Research* 87: 223-233. (I.F.- 2.5) Scopus
58. Rajput SK, Krishnamoorthy S, Pawar C, Kaur N, Monga V, Meena CL, Jain R, Sharma SS. Antiepileptic potential and behavioral profile of L- pGlu-(2-propyl)-L-His-L-ProNH₂, a newer thyrotropin-releasing hormone analog. *Epilepsy Behavior* 14:48-53. (I.F.- 2.4) Scopus

2008

59. Monga V, Meena CL, Kaur N, Rajput SK, Pawar C, Sharma SS, Jain R. Facile Synthesis of N-a-Boc-1,2-Dialkyl-L- Histidines: Utility in the Synthesis of Thyrotropin- Releasing Hormone (TRH) Analogs and Evaluation of the CNS Activity. *Journal of Heterocyclic Chemistry* 45: 1603-1608. (I.F.- 0.83) Scopus
60. Ingole S, Rajput SK, Sharma SS. Cognition enhancer: Current Strategies and Future Prospective. *Current Research & Information on Pharmaceutical Sciences* 9: 1-8. (I.F.- 0.0)

2007

61. Singh JN, Rajput SK, Berhe AH, Sharma SS. QT Prolongation: Paradigm shift in drug discovery and development. *Current Research & Information on Pharmaceutical Sciences* 2007: 8: 6-12. (I.F.- 0.0)

2006

62. Rajput SK, Pawar C, Kumar S, Sharma SS. Therapeutic potential of TRH and its analogues. *Current Research & Information on Pharmaceutical Sciences* 2006: 7: 28-35.

2004

63. Sharma SS, Rajput SK. Stroke Genomics and Informatics. *Current Research & Information on Pharmaceutical Sciences* 5:28-35. (I.F.- 0.0)

Book & Book Chapters: 05 & 07

Books 2019

1. Animal Screening: Basics of Drug Discovery Volume II as Editor published by Paging Publisher, ISBN: 978-81-940372-6-2
2. Biochemistry and Clinical pathology for Diploma in Pharmacy, ISBN: 978-81-944543-1-1
3. Human Anatomy and Physiology for Diploma in Pharmacy, ISBN: 978-81-944543-2-8
4. Pharmacognosy for Diploma in Pharmacy, ISBN: 978-81-944543-3-5
5. Animal Screening: Basics of Drug Discovery as Editor published by Paging Publisher, ISBN 978-81-93630-91-4

Book Chapters 2020

1. Challenges and Opportunities in Standardization of Homeopathic Drugs and Dilutions“ Saikat Sen and Raja Chakraborty (Eds): Herbal Medicine in India, 978-981-13-7247-6, Springer Publications

2019

2. An emerging potential of CRISPER-Cas9 technology on gene editing and medical application, Animal Screening: Basics of Drug Discovery Volume II Paging Publisher, ISBN: 978-81-940372-6-2
3. Animal model for intractable Epilepsy, Animal Screening: Basics of Drug Discovery Volume II Paging Publisher, ISBN: 978-81-940372-6-2

2018

4. Drug Discovery and Development, Animal Screening: Basics of Drug Discovery, Volume I, Paging Publisher, ISBN 978-81-93630-91-4
5. Investigations Tools Principle and Applications, Animal Screening: Basics of Drug Discovery, Volume I, Paging Publisher, ISBN 978-81-93630-91-4
6. Biostatistics: Mapping of bio-statistical tools through variance, Animal Screening: Basics of Drug Discovery, Volume I, Paging Publisher, ISBN 978-81-93630-91-4
7. Laboratory animal and sample techniques, Animal Screening: Basics of Drug Discovery, Volume I, Paging Publisher, ISBN 978-81-93630-91-4

Presentations, Webinars & Lectures: 45

2020

1. Eminent Speaker for the 3D Virtual Health & Wellness Expo & Conferences-2020, August 22, 2020
2. Delivered webinar „Transforming Research Systemic Literature Review & Meta-analysis, July 29, 2020
3. Delivered webinar „Transforming Research & Discovery: Role of Biostatistics on QuickLearn360 platform May 23, 2020
4. Delivered webinar „Career opportunity and Challenges for Pharmacy Professionals“ Indira Gandhi National Tribal University, MP May 19, 2020
5. Delivered Webinar „Challenges and opportunities in the Indian System of Medicine: potential to tackle Pandemic on Ayush Darpan Portal April 19, 2020
6. Delivered invited talk in One Day Session: No Stress No Tension under the banner of Fit India Movement organized by Amity University in collaboration with Brahma Kumaris on Jan 24, 2020 at Noida, UP.

2019

7. Delivered a invited talk on „It’s all in mind: neuroendocrinological approach“ in National Seminar “ANTAH MANTHAN: clinical aspects of endocrinology” co-organized by Amity University and Vishwa Ayurved Parishad, November 24, 2019 at Noida, UP.
8. Delivered a invited talk on „Research Methodology in Complementary and alternative medicine system“ held on Sept 08, 2019 at Noida, UP.
9. Appeared as Expert „Kare Yog Rahe Nirog“ in FM Tadka and Rajasthan Patrika (June 19,2019)
10. Delivered a invited talk (as panellist) on „Challenges and Job perspectives in Pharmaceutical Sciences“ in National Conference “Pharmaceuticals: Bench to Bedside- Challenges, Recent Initiatives and Future Perspectives” co- organized by Bhabha University, Bhopal established by an act of Govt. of Madhya Pradesh May 26, 2019 at Bhopal, MP.

2018

11. Delivered invited guest lecture on „role of search engine for relevant literature search“ in First International Research Symposium- SCIENTIFIKA on the theme 'Literature reviews for assimilation and dissemination of scientific evidence' 26 November, 2018) Organized by Noida International University
12. Delivered invited guest lecture on IPR Issues in Herbal Patenting at” (November 17, 2018) Organized by Hemvati Nandan Bahuguna Garhwal University (A Central University) Srinagar (Garhwal) Uttarakhand State Council for Science & Technology
13. Delivered invited guest lecture on Pharmaceutical Biostatistics at CONTINUING EDUCATION PROGRAM-2018 “Advancements in academic and research in Pharmacy” (16-18 August, 2018)

Organized by Department of Pharmaceutical Sciences Gurukul Kangri Vishwavidyalaya, Haridwar-249404 -: Sponsored by Pharmacy Council of India, New Delhi.

14. Delivered invited guest lecture on Bio-statistical Analysis for Pharmaceuticals in A P J Kalam Technical University sponsored Faculty development program on “Spread Awareness and Analysis of Generic Medicine” (08-12 May, 2018) organized by BIT Meerut.

2017

15. Delivered invited guest lecture on Research Methodology for PhD scholars enrolled in Uttarakhand Technical University at Dehradun
16. Delivered a lecture on Biostatistical Tools for Drug Discovery and Development in 3rd World Congress on Pharmaceutics and Drug Discovery” at Dubai, UAE
17. Delivered a lecture on Implications and Perspectives of Eco pharmacovigilance With Reference to India and UAE in 3rd World Congress on Pharmaceutics and Drug Discovery” at Dubai, UAE
18. Delivered invited guest on „Updates on Biostatistical Tools in Healthcare“ at Nirmala College of Pharmacy, Muvattupuzha
19. Delivered invited guest lecture on Pharmacovigilance of Alternative Medicine: Challenges and Opportunities at Indian Pharmacopoeia Commission Ghaziabad
20. Delivered invited guest lecture on Regulatory Peptides in Health and diseases: Discovery of an Ultra Peptides and Their Selective Role in therapeutic management of Neurological Disorders, NRIPSCON 2017 at Ghaziabad
21. Delivered invited guest lecture on Preconditioning and GSK- 3 β Inhibition: A Superlative Approach to Ameliorate Experimental Induced Myocardial Injury in Rats, Cardiology 2017 at Dubai
22. Delivered invited guest lecture on Biostatistics tools in Pharmacology, NIPER at Hyderabad
23. Delivered invited guest lecture on Cell to Whole Body: Pharmacological Tools for CNS Drug Discovery, ICIPS 2017 at Hyderabad
24. Delivered invited guest lecture on „An update on Biostatistics tools in Health care and Medical Research“, in ETPLS- 2017 at Rishikesh
25. Delivered keynote lecture on Potentials of Ultra Small Peptides in CNS disease Models and Safety Assessment for Vital Systems, Keynote Speaker, RTD3 2017 Motherhood University Roorkee

2016

26. Neurodegenerative disorders and CNS Therapeutics, Invited Guest Lecture 2016, at JNU, Jaipur Rajasthan
27. Effect of Buxus wallichiana Baill extract against experimental induced amnesia in Swiss albino mice, National Conference on “Drug Discovery and Formulation Development” 2016; Amity University Lucknow Campus Second Prize

2015

28. Mapping Biostatistical Tools through variance: simplifying basic principle of biostatics; International Gyanodaya-2015, IEC Group of Institutions

2014

29. L-pGlu-(1-Benzyl)-L-His-L- ProNH₂ A Newer Thyrotropin Releasing Hormone Analog Mitigate Oxidative Stress; National; Indian Pharmacological Society North Zone Conference „New Horizons in Pharmacy and Pharmacology“ 2014; GLA University Mathura
30. QT Prolongation: Pharmacogenomics Perspective; International; 6th International Conference On Recent Advances in Cardiovascular Sciences (RACS) 2014; DIPSAR New Delhi
31. Recent Advances and Current Perspectives In Dementia; National; National Seminar on Recent Trend in Drug Development 2014 Amity University Lucknow Campus
32. Evaluation of Rationally Designed NCEs For Their Potential In Selective CNS Disease Models And Safety parameters; National; AICTE Sponsored-National Seminar on Emerging Trends and Evolving Opportunities in Pharmacy 2014; IIMT College Of Medical Sciences, Meerut

2013

33. Alternative Treatment Approaches For Management And Treatment Of Pharmaco-resistant Epilepsy; International; International Conference in Pharmacological and Pharmaceutical Approaches to Drug Discovery and Clinical Development Held on 2013, Chandigarh; Chitkara University Punjab
34. Pegylation Induced Enhancement of Anticonvulsant Activity of Atorvastatin: Assessment in Chemically induced epilepsy; SPER 2nd Annual Conference 2013, New Delhi

2010

35. Synthesis and Antihyperglycemic Activity of Nitrochalcones; International; 62nd Indian Pharmaceutical Congress Held on Nov 17-19, 2010, Manglore; Indian Pharmaceutical Congress
36. L-pGlu- (1-Benzyl) -L-His-L-ProNH₂: a Newer Thyrotropin- Releasing Hormone Analog with anticonvulsive and neuroprotective properties; International; Experimental Biology “Today’s Research: Tomorrow’s Health” held on April 24- 28, 2010 at Anaheim, CA; American Society of Pharmacology and Experimental Therapeutics
37. Modulation of Voltage-Gated Na⁺ Channels and Glutamate Excitotoxicity By L-pGlu-(2- Propyl)-L-His-L-ProNH₂, A Novel TRH Analog; National; Epilepsy: Recent Advances in Drug Discovery and Treatment“ Held on Feb 13, 2010, New Delhi; Jamia Hamdard New Delhi

2008

38. Investigations On Novel Thyrotropin Releasing Hormone Analogs on Potential CNS Activity; International; 41th Annual Conference of Indian Pharmacological Society Held From Dec 18-20, 2008 at New Delhi; Indian Pharmacological Society

2007

39. Protective Effect of NP-647 (L- pGlu-(2-Propyl)-L-His-L-Proh₂), A Novel TRH Analog in Seizure Models; 40th Annual Conference Of Indian Pharmacological Society 2007 at Mohali

2006

40. Effect of Novel Thyrotropin Releasing Hormone Analogues on Central Nervous System; 39th Annual Conference of Indian Pharmacological Society 2006 Jaipur

Workshop/Seminar/Conferences/Panel-Discussion/Camp Organized/ Attended – 55

2020

1. “Sanskrit Samwad – 2020” One-day National Conference, on the theme „Scientific Tradition in Sanskrit Literature“ held on 27 Feb 2020 at Amity University Uttar Pradesh, Noida Campus in association with the Uttar Pradesh Sanskrit Sansthan, Lucknow.
2. International Conference on 11-12 Feb 2020 on the occasion of 4th Unani Day organized by CCRUM and also chaired a session "Recent Researchers in Unani Medicine" on 12.02.2020 at Vigyan Bhawan, New Delhi.
3. Five Day Training Programme on “Traditional Medicine- Modern Approaches for Affordable and Accessible Healthcare” sponsored by Department of Science & Technology (DST) from 04 to 08 February, 2019 at Amity University Uttar Pradesh, Noida.
4. 7th International Congress of the Society for Ethnopharmacology, India (SFEC 2020) at SPER, Jamia Hamdard, New Delhi in association with Society for Ethnopharmacology, India (SFE-India); at New Delhi, India during February 15- 17th, 2020 and also Chaired a Session.
5. International Conference of Cardiovascular Sciences-2020 (ICCS-2020) organized by Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi from February 21-23, 2020.
6. Panacea 2020-The Pharma Fest held on 29th Feb 2020 jointly hosted by DPSRU, IPGA and IPGA Student Forum Delhi Pharmaceutical Sciences and Research University.

2019

7. SPER-BANKOK 2019, Oct 3-4, 2019 at Narai Hotel Bangkok Thailand as CHAIR

8. AIP-FDP „Pharma, Biotech & Healthcare Industry 4.0 vs Education 4.0: A Global Perspective" July 1-5, 2019.
9. Organized „One Week Yoga Workshop“ June 17-21, 2019 (as Convenor)
10. Organized „Common Yoga Protocol Session“ May 1, 2019 (as Coordinator)
11. Organized „Workshop on Yoga & Meditation Session“ at AUUP, Noida on March 25, 2019 (Coordinator)
12. IPGA Sponsored National Conference on “Online Pharmacy: Regulatory Perspectives” at School of Medical & Allied Sciences, K. R. Mangalam University, Gurugram, India On March 1, 2019 (as Resource Person)
13. Organized conference „Holistic Approach to Improve Health Care, Abu Dhabi, UAE from February 4–6, 2019 (as moderator)

2018

14. Organized „Indian Pharmaceutical Congress at AUUP, Noida from December 21–23, 2018 (as Co-Chair Scientific Committee)
15. Organized „Session on Innovation and Entrepreneurship in AYUSH System of Medicine: Exploring untapped potential of Indian System of Medicine AUUP, Noida on December 19, 2018 as part of 2nd International Conference on Entrepreneurship, Innovation and Leadership (ICEIL“2018) as Session-in-charge
16. Participated in NANOBIOTECK - 2018, 3rd Annual Conference of Indian Society of Nanomedicine (ISNM), 24th - 27th October 2018, at AIIMS, New Delhi
17. Organized “Free Ayurveda Health Camp” as a celebration of Ayurveda Day at AUUP, Noida on October 26, 2018
18. Organized „One Week Workshop On Therapeutic Yoga“ as International Day of Yoga Celebrations at AUUP, Noida from June 18–22, 2018
19. Organized “Medicinal Plant Distribution drive“ by inauguration of Herbal Garden and Plantation of Medical Plants on World Environment Day Celebrations on June 05, 2018
20. Organized “Free Camp for Healthy Skin” as part of International Women’s Week – 2018 being celebrated at AUUP, Noida from March 7–9, 2018 on March 7, 2018
21. Organized IPGA sponsored symposium „Innovations in Pharmaceuticals, Herbals and CAMs for management of Interactions, side effects thereof“ on February 19, 2018

2017

22. Invited judge for poster session, 69th IPC 2017 at Chandigarh (Dec 22-24, 2017)
23. Invited judge for poster session, STOX-2017 at Chandigarh (Dec 18-19, 2017)
24. Participated in 17th FERCAP International Conference & 5th FERCI National Conference at AIIMS, Delhi (Nov 18-19, 2017)

25. National Seminar on Non-communicable diseases as co-organizing secretary, Amity University Noida (Nov 2-3, 2017)
26. Invited judge for poster session, NRIPSCON 2017 at Ghaziabad (Sept 1-2, 2017)
27. Invited co-chairperson, NRIPSCON 2017 at Ghaziabad (Sept 1-2, 2017)
28. Organizes FDP 2017 as scientific committee member (July 3-7, 2017)
29. Participated in 3rd One Day National Seminar on “Current Regulations on Herbal Drugs & Food Supplements” held at School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi (May 16, 2017)
30. Organized Homeopathic Wellness Camp organized in association with Dr. Willmar Schwabe India and Noida Homeopathic Medical Association at AUUP (April 10, 2017)
31. Organized IGNITE 2017: A Panel Discussion on Recent Advances and Emerging Trends in Homeopathy & MoU Signing 2017 at I-2 Moot Court, Amity University Uttar Pradesh (March 9, 2017)
32. Chair Poster Session" in the 52nd Annual Conference of The Indian Hospital Pharmacists" Association (IHPA) jointly organized with ITS College of Pharmacy, Surya Hospital & Healthcare Division-Vardaan Welfare Society, ITS Pharmacy College, Muradnagar, Ghaziabad, India. (Jan 28, 2017)
33. Attended Workshop “Drug Safety Reporting Pharmacovigilance & New Perspectives of CDM (Clinical Data Management) Jamia Hamdard New Delhi (Jan 16-17, 2017)

2016

34. Organized Community Health Camp” organized Village Sadarpur, Sector-45 (Oct 18, 2016)
35. Attended Apollo Centre for Advanced Paediatrics CME on Gastrointestinal and Liver Problems in day-to-day clinical Practice at Indraprastha Apollo Hospitals, New Delhi (Dec 11, 2016)
36. Attended 3rd edition of NextGen Healthcare Conclave on Universal Healthcare – A distant dream or a near reality? New Delhi (July 29, 2016)
37. Organized International Conference on “Nurturing Global Healthcare” at Amity University Noida (March 11-12, 2016)

2015

38. Gyanodaya-2015 (invited as Session Chair) to be organized at IEC Group of Institutions (Nov 28, 2015)

2014

39. Organized 19th Annual Congress of The Society of Andrology, India and Prof. K. R. Laumas Memorial Seminar on Young Minds „ANROCON 2014“ (March 13&14, 2014)
40. Organized “Community Health Camp” Village Sadarpur, Sector-45, Noida (Jan 28, 2014)

41. Invited as chief guest in AICTE Sponsored-National Seminar on Emerging Trends and Evolving Opportunities in Pharmacy organized by IIMT College of Medical Sciences (Jan 6-7, 2014)

2013

42. Organized 65th Indian Pharmaceutical Congress, Amity University NOIDA (resource person) (Dec 20-22, 2013)
43. Participated ICMR sponsored conference “Research Trends in Future Drug Development: Exploration of Medicinal and Aromatic Flora” Shoolini University (June 20-21, 2013)
44. Organized International Conference in Pharmacological and Pharmaceutical Approaches to Drug Discovery and Clinical Development, Chitkara University, Punjab (March 15- 16, 2013)

2012

45. Organized Advances in Drug Delivery Systems and Clinical Research Methodologies, Chitkara University (Nov 26- 27, 2012)
46. Organized Advances in Drug Design, Delivery and Pharmaceutical Technology, Chitkara University (May 4- 5, 2012)

2011

47. Organized Mega Job Fest, ISF College of Pharmacy Moga, Punjab (April 20, 2011)

2010

48. Organized AICTE Sponsored National Seminar on Rational Use and Clinical Trial of Drugs“ ISF College Moga (Oct 30- 31, 2010)

2009

49. Indian Pharma Summit, Mumbai (November 30, 2009)

2008

50. International Conference on Biotechnological Approaches to Neuro-immunomodulation and Infectious Diseases, NIPER Mohali. (Dec 11- 13, 2008)

2007

51. Organized 40th Annual Conference of Indian Pharmacological Society, NIPER Mohali (Nov 1- 3, 2007)
52. Interactive Meet on Motivation of Youth in Science, New Delhi (Feb 8, 2007)

53. 39th Annual Conference of Indian Pharmacological Society Jaipur (Dec 21-23, 2006)
54. Workshop on Good Laboratory Practices (GLP) for Academia, New Delhi (Nov 24- 25, 2006)

55. 38th Annual Conference of Indian Pharmacological Society, Kolkata (Jan 14-16, 2005)

Webinar Organized (Pharmacy, Yoga and Ayurveda)

56. Workshop on „Become your own Masterpiece, July 20-24, 2020
57. Physiological benefits of pranayama on our body and mind (June 29, 2020 – Swami Vasudevananda Saraswati: Nestor Cesarini, Argentina)
58. Advances in Genome Editing for Drug Discovery (June 26, 2020 – Dr. Sumit Deswal, Astrazeneca, Sweden)
59. Yoga at Home and Yoga with family (June 21, 2020 – Dr DD Vichitra & Dr. Neha Jainer)
60. Meditation & Yoga - Unification of Mind and Body: a scientific Perspective (June 21, 2020 – Mr. Aalok Shrivastava and Ms. Kamna Gaur, USA)
64. Inner Peace Through Yoga Meditation (June 20, 2020 Swami Smaranananda Giri, President, Yogoda Satsanga Society of India)
65. Vedic Wisdom: Relevance in modern life and COVID-19 Pandemic (June 19, 2020 -Prof. Roop Kishor Shastri, Vice Chancellor, Gurukula Kangri Vishwavidyalaya, Haridwar)
66. Sanskrit and Vedic Indology: Hymns and Mantras - impact and understanding (June 18, 2020 - Dr. Ranvir Singh Department of Sanskrit, Department of Yoga, Central University of Haryana)
67. Yoga for Sustainable Development Goals of United Nations (June 18, 2020 - Shri Avadhuta H.H. Guru Dileep Kumar Thankappan, Chairman Word Yoga Community, New York)
68. YOGA Performances – AMITY-MDNIY Yoga students ((June 19, 2020 – AIISM Students)
69. Yoga Research Relevance to COVID pandemic (June 19, 2020 - Prof. Akshay Anand, Neuroscience Research lab PGI, Chandigarh)
70. A preventive and managerial approach towards COVID 19: The Ayurvedic perspective (June 19, 2020 - Dr. Akhilesh Sharma, Visiting Faculty, California College of Ayurveda)
71. Yoga for Community Immunity and Unity - IDY 2020 Celebrations (June 19, 2020 - Shri Des Raj, General Secretary, Bharatiya Yog Sansthan)
72. Importance of Healthy Lifestyle in Modern Perspective (June 19, 2020 - Dr. Daya Shankar Singh, Dy. Superintendent of Patanjali Ayurved Hospital)
73. Role of Yogic Practices and Meditation in Combating COVID19 (May 26, 2020 - Prof. (Dr) GD Sharma)
74. COVID19: Recent advances in mechanisms symptoms and treatment strategies PART I & II (May 24 & 30, 2020 - PANELIST from USA participated)

75. Stress free meditative life / Art of Relaxation by Swami Bodhi Vartman (May 22, 2020 - Dr. Manoj Rangarh)
76. COVID-19 and Ayurveda: Principle, Practice and Policy (May 21, 2020 - Hon. Minister AYUSH Sh. Shripad Naik and Padamshree Vaidya Rajesh Koteja, Secretary AYUSH)
77. Ayurveda and wellness in context of COVID-19 (May 20, 2020 – Prof. Yamini Tripathi)
78. From Health to Happiness (May 17, 2020 – Yogacharya Dhakaram)
79. Role of Pharmacologist in Drug Discovery and Development (May 15, 2020)
80. Cardiology and Covid-19 research at Stemcology (May 12, 2020 – Dr Arun Kumar Director Stemcology, Ireland)
81. IPGA Conclave: redefining pharmacist and future perspective (May 10, 2020 – IPGA officials)
82. Mind over Matter (May 6, 2020 – Art of Living)
83. Belongingness through the testing times, Before & After COVID 19 (May 5, 2020 – Ms. Sahar Gharchorlou)
84. COVID19 - Role of Homeopathy (May 4, 2020 - Dr DD Vichitra)
85. COVID19 - Role of Yoga, Pranayam & Meditation (May 3, 2020 – Dr DD Vichitra)
86. De novo engineering of regulatory systems and enforcement learning in E. coli. (May 3, 2020 - Dr Satya Prakash Rajput, UK).
87. Pharmacy as the backbone of healthcare system: brainstorming to restore it's glory (May 3, 2020 – Pharma Professionals from Academia, Industry and Regulators)
88. Know your AURA (May 2, 2020 - Dr Ajay Kumar)
89. Accepting the Change (May 1, 2020 – BK Sisters)
90. Renin Angiotensin System – SARS-CoV-19: Drug Repurposing and Discovery Opportunities (April 29, 2020 – Prof. P Ramarao, Dean CUP, Bhatinda)
91. COVID-19 and Ayurveda (April 27, 2020 – Prof. Sanjeev Sharma, Director NIA)
92. Unlocking your true potential (April 25, 2020 - Art of Living)
93. Unlocking soft skills (April 24, 2020 - Art of Living)

Editorial Board Member/Reviewer for the International Journals

1. Editorial Board member
 2. EC Pharmacology and toxicology, Fournira Optime, EC Neurology Reviewer
 3. Neuroscience Journal of Endocrinology; Diabetes & Obesity; Neuroscience Research; International Journal of Neurology and Neurotherapy; BAOJ Surgery journal; Neuropsychiatric Disease and Treatment; Journal of Advanced Pharmaceutical Technology & Research; BMC Neurology
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List of PhD Scholars

Research Topic

1. Mr Arun Kumar (2014-2017) Investigation on Interplay of GSK-3beta Signalling Associated with Myocardial Infarction awarded
2. Ms Kavita Bansal (2014-2020) Pattern of Use of Cardiovascular Drugs Based on Evidence Based Practice Guidelines Thesis Submitted
3. Mr Gaurav Taneja (2014-) Investigation on Role of Proton Pump Inhibitor on Vascular Endothelial Function
4. Mr Rajnish Kumar Malik (2015-) Neuropharmacological Evaluation of New Synthetic Chemical Entities Targeting Experimental Parkinson's Disease Models
5. Mr Imran Ahmad (2016-) New Small Heterocyclic Molecules Based Pharmacological Intervention Targeting Diabetes and Its Complications
6. Mr Vishal Dubey (2016-) Evaluation of Anti-Tumor Potential of Bartogenic acid Using Ovarian Xenograft Model in SCID/Athymic Nude Mice
7. Ms. Sanjana Prasad (2019-) Polyherbal Ayurvedic Formulation for Diabetes

List of M. Pharm Guided

8. Ms Ekta Rani (2011-2013) Investigations on newer pharmacological/non-pharmacological approaches for the management and attenuation of drug resistant epilepsy in mice awarded
9. Ms Shruti Pandey (2012-2014) Evaluation of Neuropharmacological effect of Mikania scandens on CNS in Swiss Albino Mice awarded
10. Ms Varshala Pal (2012-2014) Evaluation of anti-Alzheimer Potency of Buxus wallichiana Extract against Scopolamine induced amnesia in Swiss Albino Mice awarded
11. Ms Heena Sharma (2012-2014) Evaluation of anti-fertility activity of H3 blockers awarded
12. Ms Shreya Singh (2012-2014) To study anti-fertility effect of H2 blockers awarded
13. Mr. Abdul Waheed (2013-2015) Investigations on newer pharmacological/non-pharmacological approaches for the management and attenuation of drug resistant epilepsy in mice awarded
14. Md Safdar Ali (2014-2016) Investigation of Leech Extract Based Formulation on Animal Model of Testosterone induced Alopecia awarded
15. Mr Harpreet Singh (2014-2016) Investigation of Vascular Complications in Preconditioned versus Diabetes type 1 rats awarded
16. Ms Farah Khan Lodhi (2014-2016) Evaluation of Anti-Parkinson Activity of Aqueous and Alcoholic Extract of Mucuna purensis awarded
17. Mr Rakesh Roushan (2014-2016) Effect of Nanoparticles against Wound Healing in Streptozocine induced Diabetic Rats awarded
18. Mr Anubhav Gupta (2015-2017) Investigations on SOD mimetics against Cerebral Ischemia awarded
19. Mr Asad Faraz (2015-2017) Investigations on Plant Based Preparation in Ageing associated Dementia awarded
20. Mr Nitin Sharma (2017-2019) Investigations on Plant Based Preparation in Peptic ulcers awarded
21. Mr Swapnil (2017-2019) Investigations on Plant Based Preparation in Dementia awarded
22. Ms Riya Arora (2017-2019) Investigations on Plant Based Preparation in Diabetic wounds awarded
23. Ms Balginder Kaur (2018-2020) Investigations on Plant Based Preparation in Liver Disorders
24. Ms Pinki Yadav (2018-2020) Investigations on Plant Based Preparation in Gastric Ulcer

25. Md. Nabi (2018-2020) Investigations on Plant Based Preparation in Liver Disorders
26. Mr Rohit Bhardwaj (2018-2020) Investigations on Plant Based Preparation in Cancer

MoUs/Collaboration

1. Dr. Willmar Schwabe India Pvt. Ltd.
2. Morarji Desai National Institute of Yoga
3. Patanjali Research Foundation
4. National Institute of Ayurveda, Jaipur
5. Jagat Pharma Pvt. Ltd
6. Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH, Government of India
7. Central Council for Research in Homoeopathy -CCRH
8. Schwabe Hemopathy
9. Ekyum Pharmaceuticals
10. Amity University and Institution
11. Centre for Aromatic Plants (CAP)
12. Neuracle Technologies Pvt. Ltd.
13. Chitkara University, Chandigarh

Declaration

I hereby solemnly declare that all the information provided here is as per the best of my knowledge.

Date : 2022

Place : Haridwar