

**2022**


# *CURRICULUM VITAE*

*Dr. SAURABH GUPTA*

A technically-adept Pharmaceutical Scientist, expertise in preclinical pharmacological and toxicological evaluation and profiling of novel pharmaceutical drugs and product development.



## BRIEF DISCRIPTION

<b>DR. SAURABH GUPTA</b> 108 Dravid Nagar, Sudama Nagar Ranjeet Hanuman Mandir Road, Indore, Madhya Pradesh-452009 Tel: +91-731 4064506	
<b>E-mail:</b> saurabhgupta80@gmail.com saurabh.gupta@chitkara.edu.in	<b>Professor and Head Department of Pharmacology</b> M. Pharm. (Pharmacology), PhD (Faculty of Pharmacology; Pharmaceutical Sciences)
<b>Mobile: +91 9644065606</b> <b>+91 7999060884</b>	<b>Department of Pharmacology,</b> <b>Chitkara College of Pharmacy</b>
	<b>Chitkara University,</b> <b>Rajpura-140401, Patiala, Punjab (India).</b> <b>Phone: 01762-507084; Fax: 01762-507085</b>

## PROFILE

Comprehensive knowledge of basic principles of Pharmacology and preclinical drug development, derived from extensive graduate training in Pharmacology. Conducted research focused on the Respiratory mechanism of Pharmacological Asthma preconditioning, Allergic Rhinitis, Mast cell modulation. As Pharmacological preconditioning plays an important role in Respiratory disorders so extensive information, regarding protective role of adenosine, Interleukins-6-13, protein kinase-C, TNF- $\alpha$  and MMP kinase as triggering mechanism in Respiratory Pharmacological preconditioning, is provided. Research is oriented to find out and profiling of novel therapeutic agent and its pathways in Respiratory disorder (Asthma, Rhinitis, Allergic reactions etc.) Pharmacological by using various drugs originated from herbal and synthetic candidates. Key research expertise areas include: Animal models development and validation, Respiratory disorders (Mast cell, Asthma, Allergic Rhinitis & Parkinson), Preconditioning and Anesthetic techniques, histopathological and various respiratory data evaluation.

## EDUCATION

**2010-2013:** Ph.D in Faculty of Pharmaceutical Sciences (Faculty of Pharmacology) from JSS University, J.S.S college of pharmacy, Ooty, Tamilnadu, India (**“Attenuation of Allergy Induced Asthma in Murine Models by *Yucca* and *Pothos*: A Molecular and Biochemical Perspective”**). **CGPA: 9.5/10.**

**2005-2007:** Master of Pharmacy (**Pharmacology**), Department of Pharmacology, JSS College Pharmacy, Dr. M.G.R University, Ooty, Tamilnadu, India, (***In vivo and In vitro* Activity of *Ocimum Sanctum* Against Candidiasis in Normal and Immunocompromised Mice**).

**2002-2004:** Bachelor of Pharmacy, Nagpur College of Pharmacy, MUHS syllabus Nasik under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra, India.

**1999-2001:** Diploma in Pharmacy, Devi Ahilya College of Pharmacy, RGPV Technical University Bhopal, Indore, Madhya Pradesh, India.

**1997** :Senior Secondary examinations, Madhya Pradesh Education Board, Bhopal, India.

### CPCSEA MEMBERSHIP

Member secretary of CPCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals) and *In charge Animal house facility* at Indore Institute of Pharmacy, Indore, Madhya Pradesh (January 2014-April 2015).

Member of CPCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals), Chitkara College of Pharmacy, Chitkara University, Patiala, Punjab.

Member nominee of CPCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals) appointed by CPCSEA, Chamali Devi college of pharmacy, Modern institute of Pharmacy, RD Gurdi Medical college, Swami Vivek anand college of pharmacy, M.P., India.

### AWARDS AND RECOGNITION

Association of Pharmaceutical Teachers of Punjab, India, Appreciation award for 69<sup>th</sup> IPC Promotion of Pharmaceutical education in Punjab, 2017.

### MEMBERSHIPS

- Registered Pharmacist of Madhya Pradesh Pharmacy Council.
- Registered life member of APTI, India.
- Registered life member of Indian Pharmacology Society, India
- Registered life member of Indian Pharmaceutical Association, Madhya Pradesh, India.

### PROFESSIONAL EXPERIENCE

- ✓ **Total Experience: 15.8 years; Industrial Experience: 1 Year (During PhD), Research Experience: 3 Year (During Thesis), Academics Experience: 12.8 years**

### PROFESSIONAL EXPERIENCE IN ACADEMICS AND RESEARCH

- Working as Professor and Head of Department, Coordinator member for NAAC, IQAC cell Chitkara College of Pharmacy, Chitkara University, Patiala (Punjab), India (Jan 2022- till date).
- Working as Coordinator member and Head of Department for NAAC, IQAC cell Chitkara College of Pharmacy, Chitkara University, Patiala (Punjab), India (Nov 2018- till date).
- Working as Senior associate professor, Department of Pharmacology, Chitkara College of Pharmacy, Patiala (Punjab), India (July 2017- Nov 2018).
- Worked as Professor and Head, Department of Pharmacology, Indore Institute of Pharmacy, Indore (M.P.), India (April 2015- June 2017).
- Worked as Associate Professor and Head, Department of Pharmacology, Indore Institute of Pharmacy, Indore (M.P.), India (January 2014-April 2015).
- Worked as research associate at R&D laboratory under the supervision of **Dr. U.V. Babu** (Head & Research Scientist, Himalaya drugs Ltd. Makali, Bangalore, Karnataka, India (January 2012- December 2012).

- Worked On lean with pay as Selection grade lecturer at, Devi Ahilya College of Pharmacy, Indore (M.P.), India (March 2010-January 2014).
- Investigator of preclinical studies of CADRAT and DTL assigned industrial work of Biocon, Apex etc. as well as responsible for teaching Pharm. D (Advance Pharmacology) by Department of Pharmacology, JSSCP, Ooty at the time of Ph.D.
- Worked as a Senior lecturer for B. Pharmacy, SAFE Institute of Pharmacy, Indore (M.P.), India (August 2007- February 2010).
- Worked as a Lecturer for B. Pharmacy, College of Pharmacy, IPS Academy, Indore (M.P.), India (April- August 2007).
- Worked as a Lecturer for D. Pharmacy, Devi Ahilya College of Pharmacy, Indore (M.P.), India (September 2004-June 2005).

### **JOB & ADMINISTRATIVE RESPONSIBILITIES**

- Teaching B. Pharmacy, M. Pharmacy, Pharm. D and PhD students and carrying out various research projects at undergraduate, post-graduation and doctorate level.
- Coordinator managerial and administrative responsibilities like Mandatory compliance and inspection reports of pharmacy department related with RGPV, PCI, NIRF, NAAC CPCSEA, NBA, AICTE and UGC.
- Coordinator of NAAC documentation of CCP, Chitkara University.
- BOS member of Chitkara university
- BOD member of CT University
- Lead role to open the new course work in pharmacy and deign the curriculum of syllabus.
- Establish and deign animal house at Indore Institute of Pharmacy as well at newly establish animal house at chitkara university and started the trading of small animals and breeder.

### **SUBJECT TAUGHT**

**M.Sc. in Pharmacovigilance:** Pharmacology & Pharmacotherapeutics I, Clinical Pharmacy Research

**M. Pharmacy:** General Pharmacology, Pathophysiological and Therapeutics-I & II (T & P), Clinical Pharmacology and Clinical Pharmacy (Theory and Practical), Recent advances in Molecular Pharmacology, Drug Evaluation.

**B. Pharmacy:** Pharmacology I, II and III, Clinical Pharmacology and Toxicology, Pharmaceutical Management, Human Anatomy and Physiology- I & II, Remedial Biology, Microbiology, Physical Pharmacy, Inorganic Pharmaceutical Chemistry, Pharmaceutical Analysis-I, Pharmacognosy-I.

**Pharm D:** Human Anatomy and Physiology, Pharmacology, Pathophysiology, Pharmacotherapeutics-I & II.

**Ph.D:** Advance Pharmacology

**2. Presently working as Professor Head and Department of pharmacology at Chitkara College of Pharmacy, Chitkara University, Rajpura, Distt. Patiala, Punjab approved by UGC, PCI (Pharmacy Council of India), AICTE (All India council of Technical Education)**

- Coordinator of IQAC cell of NAAC committee at Chitkara College of Pharmacy Chitkara University.

- Head of the department of Pharmacology, Chitkara College of Pharmacy, Chitkara University.
- Coordinator team member of placement committee at Chitkara College of Pharmacy
- Member departmental committee.
- Organizing secretary of intra and inter departmental meetings, national and international conferences and seminars.
- Member of Board of studies of Chitkara College of pharmacy, Chitkara University for UG and PG Courses.
- Member of Co-curricular Committee.
- Establishment of Respiratory pharmacology Lab at Chitkara College of pharmacy, Chitkara University, Punjab.
- Coordinator preclinical and clinical industrial projects.

### RESEARCH GUIDANCE

#### LIST OF M. PHARM & PhD RESEARCH STUDENTS

S. No.	Student Name	Thesis Title	Year
1.	Govind Bhandari	Biopharmaceutical Characterization and Formulation of Glibenclamide for Biowaiver Studies.	2007
2.	Manoj Agrawal	Pharmacognostical, Phytochemical and Anti-Oxidant Study on <i>Yucca Gloriosa</i> L.	2010-2012
3.	Pawan Kumar	Pharmacognostical, Phytochemical and Anti-Oxidant Study on <i>Pothos Scandens</i> L.	2010-2012
4.	KRS Raju	Assessment of Anti-Asthmatic Activity of 5 Amino Salicylic Acid in Allergen Induced Asthmatic Murine Models: A Molecular and Biochemical Perspective.	2011-2012
5.	Navdeep Jaiswal	Formulation and Evaluation of <i>Timolol Maleate</i> Ocular Inserts using Natural Polymer.	2013-2015
6.	AashishHardia	Design and Development of Ocular Insert Using Natural Polymer ( <i>Ocimum Basilicum</i> ) for the treatment of Glaucoma	2013-2015
7.	Amisha Mahajan	Formulation and Evaluation of Niosomal Gel of Ketorolac Tromethamine.	2013-2015
8.	Richa Pathak	Peritoneal Mast Cell Stabilization Potential of <i>Ziziphus Xylopyrus</i> (Retz) Wild Extract in Rat Mesenteric Model	2013-2015
9.	Arzoo Khan	Antiparkinsonian effects of a calcium channel blocker Diltiazem in 6 - OHDA rat model of Parkinson's disease	2017-2019
10.	Varun Sharma	Evaluation of the renoprotective effect of N-ACETYL-LEU-LEU-NORLEU-AL against nephrotoxicity induced by cisplatin in rats	2017-2019
11.	Gurpreet Singh		2018-2020
12.	Priyanka Sharma	Evaluation of pirfenidone an antifibrotic agent in	2019-2021

		ischemia reperfusion induced cerebral injury on mice.	
13.	Shray Bhargav	Mechanistic exploration of <i>thuja occidentalis</i> for the management of diabetes mellitus nephropathy and diabetes neuropathy in streptozotocin-induced experimental animals	2018-2021
14.	Mamta Saini	Molecular and biochemical evaluation of <i>green coffee</i> beans extract and its phyto- biomarkers in allergic induced murine asthmatic models	2019- Till
15.	Diksha Joshi	A Pharmacoeconomics Evaluation of Antihypertensive drugs in North India	2019-Till
16.]	Priyanka Thakur	PhD, Co Guide, HPTU	2021-Till

### PROFESSIONAL TRAINING AND DUTIES

- Served as Center Superintendent as appointed by RGPV for conduct of theory examinations at Safe Institute of Pharmacy, Indore in Dec- 2007.
- Evaluation of B-Pharmacy theory papers at evaluation centre of PTU and Chitkara University.
- Evaluation of M. Pharmacy Theory and Practical papers at Evaluation center of RGPV University, Indore and Chitkara University, Patiala.
- Approved external examiner for PhD, UG and PG by RGPV University Bhopal, RGPV Technical University Bhopal, IKG university Jalander, Punjab, SRK University Bhopal, Galgotias University Noida, MMU University Ambala, JSS University, Manipal University, Royal Global University, Assam and Sage University Indore etc .
- One year research associate at R&D laboratory under the supervision of **Dr. U.V. Babu** Isolation and spectral analysis of phyto-constituent of plant by using MS/MS, HPLC/MS/MS (Head & Research Scientist, Himalaya drugs Ltd. Makali, Bangalore, Karnataka, India.(During thesis work).

### PROFESSIONAL SKILLS

- Experience with small animal surgery and handling.
- Collection of blood from various routes in rodents.
- Expertise in work of Allergy, Asthmatic studies and mast cell stabilization and different type of allergic models (Assess the BALF and Biochemical estimation)
- Isolated tissue preparations *In-vitro* (Trachea, vas deferens, annoccygeous, Ileum, fundus strip).
- Expertise in isolation of plant phyto-constituents.
- Expertise in the handling of Biopac-3 system, Western Blot and Gel Doc system.
- Expert knowledge *In vivo* animal models of Neuro degeneration, Pain and inflammation, Locomotion, Learning and memory, Epilepsy (PTZ, Electrical Kindling), Parkinson (MPTP and 6-OHD).
- Expertise in the handling of Polyrite, four-channel data acquisition system.
- Experience in handling stereo Tactic apparatus, Semi-Autoanalyser, Plethysmometer, Randall- sallitto Analgesymeter, Student Physiograph, Electro convulsometer model

- KI-9531, Techno Rotarod, Actophotometer and Hot plate.
- Proficient in evaluating Neuroprotective, Antiepileptic, Anti ulcer, Analgesics and Anti-inflammatory activity of drugs in animals.
  - Tracking analysis of behavioral measurements in rodents.
  - Biochemical Assays: Estimating oxidative stress like ROS and RNS parameters in biological samples, UV spectrophotometer, Auto analyzer etc.
  - Proficient in handling non-invasive blood pressure monitoring system (KANT and IITC, USA).
  - Langendorff's isolated mammalian heart preparation.
  - Evaluation of drugs on blood pressure in anesthetized dog.
  - Performing minor surgical procedures like sciatic nerve ligation, an animal model of Neuropathic pain.
  - Performing coronary artery ligation, an animal model for global cerebral ischemia.
  - Hands on Experience in performing Histology, Staining and evaluation of tissue samples.
  - Handling instruments like Student's Physiograph, UV Spectrophotometer, Autoanalyser, Step Down Apparatus etc
  - Proficiency in compound preparation, administration to experimental animals
  - Extensive experience in analyzing behavioral and biochemical data
  - Computer aided statistical analysis
  - Flexibility, and the ability to work in fast paced and team oriented environment
  - Excellent organizational and guidance skills to team associates
  - Highly developed problem-solving skills.
  - Remarkable ability to follow through on tasks assigned
  - Sound knowledge of teaching and the methods involved in learning and instruction

#### **SPECIALIZED IN**

- Humanly handling of animals from mouse to dogs.
- Selection and designing of pharmacological experiments.

#### **COMPUTER SKILLS**

- **Software's:** Alpha Imager 2200, Leica Qwin, Adobe Photoshop, Ginger, Ithenticate software.
- **Statistical Analysis:** Graph Pad Prism® (Student T test, One way and Two way Anova, and other non parametric tests), Sigma Stat 3.5 & Sigma Plot 13.5
- **Database Search:** Pubmed, Medline, Science direct, HighWire Press
- **Programmes:** MS office (Word, Power point, Excel)

#### **LANGUAGES**

English (fluent) and Hindi

#### **RESEARCH EXPERIENCE**

**Ph. D Research Scholar: JSS University, India, 2010-2013.**

**Project Title: Attenuation of allergy induced asthma in murine models by *Yucca* and *Pothos*: A molecular and biochemical perspective.**

Description of project/abstract-

The project focused on evaluating the effectiveness of selective planton allergic induced asthma in murine models. The aim was to establish the study on the molecular and receptor based mechanism of extracts by specific target models. Phytochemical screening of plant extracts for their anti-asthmatic activity at molecular level for verification the usefulness of medicinal plants in quest for new herbal anti-asthmatic drugs. The thesis work involved extraction, isolation and standardization of selective plantto do *in vitro* and *in vivo* studies. The experimental results provide valuable clues yet now in following animal models; mast cell Stabilization in peritoneal model, LPS nasal allergic model, nasal allergic sneezing and Ova induced allergic asthma and assess IL-6,IL-13,TNF- $\alpha$  and iNOS. Findings show more work is possible in this direction.

**Team members:Dr. B. Duraiswamy** (Supervisor), **Dr. M. N. Sathish Kumar** (Co-Guide), **Dr. U.V. Babu** (Head & Research Scientist, Himalaya drugs Ltd.) et al.

**Master's Student, JSS College of Pharmacy, Dr. MGR University, Patiala, India 2005-2007**

**Master of Pharmacy (Pharmacology)**

**Project Title: *In vivo* and *In vitro* activity of *Ocimum sanctum* against candidiasis in normal and immunocompromised mice.**

Description of project/abstract-

The project focused on evaluating the effectiveness of *Ocimum sanctum* hydro alcoholic extract against Candidiasis, both in normal and immunocompromised mice. The aim was to verify the usefulness of medicinal plants in quest for new anti-fungal drugs. The thesis work involved extraction and HPLC standardization of *Ocimum sanctum* to do *In vitro* and *In vivo* studies. The experimental results provide valuable clues for curing the fungal infections using the alternative medicines.

**Team members:Dr. M. N. Sathish Kumar** (Supervisor), **Dr. B. Suresh** (Co-Guide)

#### RESEARCH INTERESTS

- ✓ Research and Development, Preclinical studies and Clinical (CRO and Pharmacovigilance, Pharma KPO), Drug Regulatory Affairs.

#### BOOK CHAPTERS

Dendrimers in gene delivery

Bhupinder Kaur, Surya Prakash Gautam, **Saurabh Gupta**, Ranjit Singh  
Apple Publication, CRC Press.

Cultivation, Collection and Processing of Medicinal Plants

Omji Porwa, Sachin Kumar Singh, Dinesh Kumar Patel, **Saurabh Gupta**, Rahul Tripathi and Shankar Katekhaye.

Bioactive Phytochemicals: Drug Discovery to Product Development, 2020, 14-30.

Bentham science

Diabetes in Pregnancy-Gestational Diabetes Mellitus

Nidhi Garg, Nincy Philip, Ravinder Singh, Kiranjeet Kaur, Monika Rani, Nikhil Garg, **Saurabh**



**Gupta, Sonia Dhiman, Shaima K.A**

Diabetes and Diabetic Complications: Current Status and Future Perspectives, 2021, 291-323

Nova Medicine and Health

Synthetic Analogues of Curcumin: The Search for Anticancer and Antioxidant Activities.

Vishnu Nayak Badavath<sup>1</sup>, Siddhartha Maji, Munusamy Saravanabhavan, **Saurabh Gupta**, MVNL Chaitanya, Venkatesan Jayaprakash.

Science of Spices and Culinary Herbs -Latest Laboratory, Pre-clinical, and Clinical Studies, 2022, Bentham Books

## BOOK

Metastatic Diseases: Novel Approaches in diagnosis and therapeutic management

Editor: Dr Sandeep Arora; Co editor: **Dr Saurabh Gupta**, Dr Tapan Bahl, Dr Sukhbir Singh

ISBN : 9781771889179

June 15, 2021 by Apple Academic Press, CRC Press. (In press)

Title: A Practical Hand book Experimental Pharmacology

Publisher: LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-29744-1

Title: Relationship Between Asthma and Rhinitis: An Unsolved Molecular Mystery

Publisher: LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-97596-7

## RESEARCH PUBLICATIONS

1. **Communicated and under (Peer review)**, K. Rama Satyanarayana Raju, Nilesh S Ambhore, V. Sindhu, Shashank Mulukutla, Vishakantha Murthy, Subba Rao V Madhunapantula, Saurabh Gupta, Ashish Wadhvani, Viral Patel, Elango Kannan. Antiparkinsonian effects of a calcium channel blocker Diltiazem in 6-OHDA rat model of Parkinson's disease. *Acta Pharmacologica Sinica*.
2. **Communicated and under (Peer review)**, Inhibitory effect of *Yucca Gloriosa* L. extract and Yuccaloeside on Ovalbumin-induced airway hyperresponsiveness in balb/c mice. Saurabh Gupta, Satish Kumar Muthureddy Nataraj, Basavan Duraiswamy, K. Rama Satyanarayana Raju<sup>1</sup>, U. V. Babu, L.M. Sharath Kumar, Renu Gupta. *Pharmacology and Toxicology*.
3. **Communicated and under (Peer review)** *In silico* molecular docking studies of *Yucca Gloriosa* L. constituents on TNF- $\alpha$ , IL-6 and IL-13 receptor activity against asthma. **Saurabh Gupta**, Gurjeet Singh Thakur, Afzal Alam, Sandeep Arora. (**Results in Chemistry**).
4. **Communicated and under (Peer review)** Biosimilars in Oncology: Latest Trends and Approaches, Deeksha Joshi, Rubiya Khursheed, **Saurabh Gupta**, Diksha Wadhwa, Thakur Gurjeet Singh, Sumit Sharma, Sejal Gupta, Swati Gauniyal, Sukriti Vishwas, Dinesh Kumar Chellappan, Kamal Dua, Sachin Kumar Singh. (**Pharmaceutics**).

5. Paudel, K. R., Patel, V., Vishwas, S., **Gupta, S.**, Sharma, S., Chan, Y., Jha, N. K., Shrestha, J., Imran, M., Panth, N., Shukla, S. D., Jha, S. K., Devkota, H. P., Warkiani, M. E., Singh, S. K., Ali, M. K., Gupta, G., Chellappan, D. K., Hansbro, P. M., & Dua, K. (2022). Nutraceuticals and COVID-19: A mechanistic approach toward attenuating the disease complications. *Journal of Food Biochemistry*, 00, e14445. <https://doi.org/10.1111/jfbc.14445> (**Impact factor 3.8**)
6. J. Deeksha, G. Saurabh, S. Thakur, P. Abhimanyu, G. Swati, S. Singh, A study of various existing interventions for the treatment of hypertension in the Indian market under the Jan Aushadhi Scheme: A price control aspect for consideration by *Journal of Health Policy & Outcomes Research* [Internet]. 2022[cited YYYY Mon DD]; Available from: <http://jhpor.com/article/2284-a-study-of-various-existing-interventions-for-the-treatment-of-hypertension-in-the-indian-market-under-the-janaushadhi-scheme-a-price-control-aspect-for-consideration-by-journal-of-health-policy>.
7. Jena R, Vishwas S, Kumar R, Kaur J, Khursheed R, Gulati M, Singh TG, Vanathi BM, Alam A, Kumar B, Chaitanya MVNL, Gupta S, Negi P, Pandey NK, Bhatt S, Gupta G, Chellappan DK, Oliver BG, Dua K, Singh SK. Treatment strategies for HIV infection with emphasis on role of CRISPR/Cas9 gene: Success so far and road ahead. *Eur J Pharmacol*. 2022 Sep 15;931:175173. doi: 10.1016/j.ejphar.2022.175173. Epub 2022 Aug 6. PMID: 35940236. (**Impact factor 4.5**)
8. Ankit Awasthi, Monica Gulati, Bimlesh Kumar, Jaskiran Kaur, Sukriti Vishwas, Rubiya Khursheed, Omji Porwal, Aftab Alam, Arya KR, Leander Corrie, Rajan Kumar, Ankit Kumar, Monika Kaushik, Niraj Kumar Jha, Piyush Kumar Gupta, Dinesh Kumar Chellappan, Gaurav Gupta, Kamal Dua, **Saurabh Gupta**, Rohit Gundamaraju, Pasupuleti Visweswara Rao, Sachin Kumar Singh. Recent progress in development of dressings used for diabetic wounds with special emphasis on scaffolds. *BioMed Research International*, vol. 2022, Article ID 1659338, 43 pages, 2022. <https://doi.org/10.1155/2022/1659338> (**Impact factor 4.5**).
9. Allam VSRR, Paudel KR, Gupta G, Singh SK, Vishwas S, Gulati M, **Gupta S**, Chaitanya MVNL, Jha NK, Gupta PK, Patel VK, Liu G, Kamal MA, Hansbro PM, Oliver BGG, Chellappan DK, Dua K. Nutraceuticals and mitochondrial oxidative stress: bridging the gap in the management of bronchial asthma. *Environ Sci Pollut Res Int*. 2022 Jul 7. doi: 10.1007/s11356-022-21454-w. Epub ahead of print. PMID: 35796922. (**Impact factor 5.5**)
10. Saklani P, Khan H, Singh TG, **Gupta S**, Grewal AK. Demethyleneberberine, a potential therapeutic agent in neurodegenerative disorders: a proposed mechanistic insight. *Mol Biol Rep*. 2022 Jun 3. doi: 10.1007/s11033-022-07594-9. Epub ahead of print. PMID: 35657450. (**Impact factor 2.5**)
11. Deeksha Joshi, **Saurabh Gupta**, Thakur Gurjeet Singh, Abhimanyu Parashar, Sachin Kumar Singh. A Qualitative Evaluation of ADR Reporting in India: Non-Regulatory Confronts and Their Possible Solutions. *ECS Trans*. 2022; 107; 6763.

12. Bhargava SK, Singh TG, Mannan A, Singh S, Singh M, **Gupta S**. Pharmacological evaluation of *Thuja occidentalis* for the attenuation of neuropathy via AGEs and TNF- $\alpha$  inhibition in diabetic neuropathic rats. Environ Sci Pollut Res Int. 2022. doi: 10.1007/s11356-022-20106-3. Epub ahead of print. PMID: 35420347. **(Impact factor 5.5)**
13. Shrey Kumar Bhargava, Thakur Gurjeet Singh, Ashi Mannan, Shareen Singh, **Saurabh Gupta**. Pharmacological evaluation of *Thuja occidentalis* for the attenuation of nephropathy in streptozotocin-induced diabetes rats. Obesity Medicine. 2022;31;100391. Doi.org/10.1016/j.obmed.2022.100391. **(Impact factor 1.5)**
14. Vishwas S, Singh SK, Gulati M, Awasthi A, Khursheed R, Corrie L, Kumar R, Collet T, Loebenberg R, Porwal O, **Gupta S**, Jha NK, Gupta PK, Devkota HP, Chellappan DK, Gupta G, Adams J, Dua K. Harnessing the therapeutic potential of fisetin and its nanoparticles: Journey so far and road ahead. Chem Biol Interact. 2022;356:109869. Epub ahead of print. PMID: 35231453. DOI: [10.1016/j.cbi.2022.109869](https://doi.org/10.1016/j.cbi.2022.109869). **(Impact factor 5.92)**
15. Jaskiran Kaur, Monica Gulati, Sachin Kumar Singh, Gowthamarajan Kuppusamy, Bhupinder Kapoor, Vijay Mishra, **Saurabh Gupta**, Mohammed F. Arshad, Omji Porwal, Niraj Kumar Jha, M.V.N.L. Chaitanya, Dinesh Kumar Chellappan, Gaurav Gupta, Piyush Kumar Gupta, Kamal Dua, Rubiya Khursheed, Ankit Awasthi, Leander Corrie. Discovering multifaceted role of vanillic acid beyond flavours: Nutraceutical and therapeutic potential. Trends Food Sci. Technol. 2022;122;187-200. [Doi.org/10.1016/j.tifs.2022.02.023](https://doi.org/10.1016/j.tifs.2022.02.023). **(Impact factor 12.563)**
16. Ramanunny AK, Wadhwa S, Gulati M, Vishwas S, Khursheed R, Paudel KR, **Gupta S**, Porwal O, Alshahrani SM, Jha NK, Chellappan DK, Prasher P, Gupta G, Adams J, Dua K, Tewari D, Singh SK. Journey of *Alpinia galanga* from kitchen spice to nutraceutical to folk medicine to nanomedicine. J Ethnopharmacol. 2022;291:115144. DOI: [10.1016/j.jep.2022.115144](https://doi.org/10.1016/j.jep.2022.115144) Epub ahead of print. PMID: 35227783. **(Impact factor 4.36)**
17. Narendra Kumar Pandey, Sachin Kumar Singh, Bimlesh Kumar, Monica Gulati, Sukriti Vishwas, Rubiya Khursheed, Harish Dureja, Dinesh Kumar Chellappan, Niraj Kumar Jha, Ankur Sharma, Saurabh Kumar Jha, Piyush Kumar Gupta, **Saurabh Gupta**, Gaurav Gupta, Parteek Prasher, Kamal Dua, Expanding arsenal against diabetes mellitus through nanoformulations loaded with glimepiride and simvastatin: A comparative study. Environ Sci Pollut Res Int. 2022. DOI: [10.1007/s11356-022-19371-z](https://doi.org/10.1007/s11356-022-19371-z). Epub ahead of print. PMID: 35254621. **(Impact factor 5.5)**
18. Rubiya Khursheed, Sheetu Wadhwa, Bimlesh Kumar, Monica Gulati, **Saurabh Gupta**, MVNL Chaitanyab , Deepak Kumar, Niraj Kumar Jha, Gaurav Gupta, Parteek Prasher, Dinesh Kumar Chellappang , Kamal Dua, Sachin Kumar Singh. Development and validation of RP-HPLC based bioanalytical method for simultaneous estimation of curcumin and quercetin in rat's plasma. South African Journal of Botany. 2021.8. <https://doi.org/10.1016/j.sajb.2021.12.009> . **(Impact factor 2.5)**
19. Priyanka Saklani, Heena Khan, **Saurabh Gupta**, Amarjot Kaur, Thakur Gurjeet Singh. Neuropeptides: Potential neuroprotective agents in ischemic injury. Life Sciences. 2021; 288. <https://doi.org/10.1016/j.lfs.2021.120186>. **(Impact factor 5.8)**

20. Arya Kadukkattil Ramanunny, Sheetu Wadhwa, Monica Gulati, **Saurabh Gupta**, Omji Porwal, Niraj Kumar Jha, Piyush Kumar Gupta, Deepak Kumar, Parteek Prasher, Kamal Dua, Ahmed Al Saqr, Saud Almawash, Sachin Kumar Singh. Development and validation of RP-HPLC method for 1'-Acetoxychavicol acetate (ACA) and its application in optimizing the yield of ACA during its isolation from *Alpinia galanga* extract as well as its quantification in nanoemulsion. South African Journal of Botany. 2021. <https://doi.org/10.1016/j.sajb.2021.10.012> (Impact factor 2.5)
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23. Gurpreet Singh, Heena Khan, Thakur Gurjeet Singh, **Saurabh Gupta**, Amarjot Kaur. Preclinical and clinical perspectives of *Curculigo orchioides* (Kali musali) AS therapeutic modulator. Plant cell biotechnology and molecular biology.2021;35-36;354-372. Retrieved from <https://www.ikpress.org/index.php/PCBMB/article/view/6607>.
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against Huntington's disease- Herbal drugs and their nanoformulations. *Curr Neuropharmacol*. 2020. doi: 10.2174/1570159X18666201109090824. Epub ahead of print. PMID: 33167841. **(Impact factor 7.4)**

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- Monica Gulati, Devesh Tewari, K. Gowthamarajan, V.V.S. Narayana Reddy Karri, Clarisse Ayinkamiye, Rubiya Khursheed, Ankit Awasthi, Narendra Kumar Pandey, Souvik Mohanta, **Saurabh Gupta**, Leander Corrie, Pooja Patni, Rajan Kumar, Rakesh Kumar. Modified apple polysaccharide capped gold nanoparticles for oral delivery of insulin. *International Journal of Biological Macromolecules*. 2020;149; 976–988. (**Impact factor 4.8**).
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#### PATENTS

1. A compound isolated from of *Pothos Scandens* L ethanolic extract and uses thereof. Application No. 201911001785.
2. pyrrolo[2,3- a]carbazole2- carboxylate based compounds and methods of preparation thereof. Application No. 201817034483.
3. Orodispersible tablet formulation comprising *cajanus cajan* starch as a super-disintegrant. Application No. 202111032676.
4. Automated animal house door. Under process.
5. Bicontinuous microemulsion-based topical composition for hair care. Application No. 202111062181.
6. Oleic acid liposome-based topical composition for hair care. 202211000231.
7. A pharmaceutical gel formulation for wound healing comprising nanoliposomal *Mimosa Pudica*. Application No. 202211001807



## EDITORIAL / REVIEW BOARD MEMBER OF INTERNATIONAL BODIES

- ✓ Editorial Board member of European Journal of Medicinal Plants, Aug. 2015.
- ✓ Editorial Board member of SM Journal of Pharmacology and Therapeutics, Jun. 2015.
- ✓ Editorial Board member of International Journal of Pharmaceutical Science, Apr. 2015.
- ✓ Editorial Board member of International Journal of Allergy Medications, Jan. 2015.
- ✓ Reviewer of Pharmacognocny Research, Dec. 2014.
- ✓ Reviewer of BMC Complementary and Alternative medicine, Jun. 2014.
- ✓ Editorial Board member of Austin Journal of Pharmacology and Therapeutics, May. 2014.
- ✓ Reviewer of Clinical Pharmacology and Biopharmaceutic, Feb. 2014.
- ✓ Reviewer of Journal of Physiology and Pharmacology, Jan. 2014.
- ✓ Reviewer of International Immunopharmacology Elsevier, Nov. 2013.
- ✓ Editorial Board member of World Journal of Pharmaceutical research, Feb. 2012.
- ✓ Advisory Board member of WJPPS, April. 2012.
- ✓ Section editorial of International Journal of Pharmaceutical & Research Science, Jun. 2012.

## EXPERT TALK

- Chitkara College of Pharmacy, Chitkara University, Rajpura, Patiala, Punjab invite me as Expert talk for “4th International Conference on Pharmacogenomics, Proteomics in Drug Discovery, Development and Clinical Therapeutics” in collaboration with Harvard Medical School, USA on 13-14th April, 2016.
- Expert Talk on “**3Rs Rule use For Animal Welfare**” on World Animal Welfare Day at RKDF School of Pharmacy, SRK University, Bhopal on 4 October, 2016, Theme of the event “World Animal Day”.

## PRESENTATIONS/ POSTERS

Presented various research posters/slide presentations at various National/International Conferences:

- Ismail M, M. Agarwal P, Gautam, Gupta S, Duraiswamy B, M. N. Satishkumar. Phytochemical evaluation of total phenolic content of *Yucca gloriosa* L. and *Pothosscandens* L. at Indo-US Synoposium on “Frontiers in medicinal Chemistry and Drug Discovery” Molecule to Medicine, 2011, Mysore.
- Talreja Seema, Gautam P, Gupta S, Duraiswamy B, Satishkumar M. N. Antioxidant Scavenging activity of *Pothosscandens* L. by Nitrous Oxide and DPPH at Indo-US Synoposium on “Frontiers in medicinal Chemistry and Drug Discovery” Molecule to Medicine, 2011, Mysore.
- Chandrakar S, Agarwal M, Gupta S, Duraiswamy B, Satishkumar M. N. The evaluation of Nitrous Oxide and DPPH Antioxidant Scavenging activity activity of of *Yucca gloriosa* L. by at Indo-US Synoposium on “Frontiers in medicinal Chemistry and Drug Discovery” Molecule to Medicine, 2011, Mysore.
- Gupta S, Gautam P, Duraiswamy B, Satishkumar M. N. Development and Validation of A Visible Absorption Densitometry Method For Quantitation of Quercetine In *Ocimum Sanctum* Plant Extracts at International Conference on Bioresource Technology 2010, Coimbatore.
- Gupta S, Agarwal M, Duraiswamy B, Satishkumar M. N. Anticandidal Activity of *Ocimum Sanctum* In Normal And Immunocompromised Mice Against Systemic And Oral Candidiasis at International Conference On Bioresource Technology 2010, Coimbatore.

- Gupta S, Chhajed Mahavir, Satishkumar M. N., Elango K, Suresh B, Chinnaswamy K, Murgan B, Jain Atika. Anticandidal activity of ocimumsantum in normal and immunocompromised mice against systemic candidiasis in the 5th World Congress of Cellular and Molecular Biology held on Nov2-6, 2009 at Indore.
- Das A, Satish Kumar M.N., Gupta S, Elango K, Vadivelan R, Antony Shanish, Sethi N, Rajanandh MG, Jayashankar K, Suresh B. In vitro and In vivo activity of Ocimum sanctum against experimental systemic candidiasis in normal and immunocompromised mice at Indian Pharmacological Society 2009, Kolkata.

#### **RECENT CONFERENCES & SYMPOSIUM ATTENDED:**

- Attended International Seminar on Universal Peace Day & Return to Nature, 8-9 Dec. 2012.
- Attended Second National seminar on Clinical and Molecular Approaches for Drug Discovery, 2-3 Mar. 2012.
- Attended Indo-European Symposium on Alternative Approaches to Animal Testing, 8 Dec. 2010.
- Attended National Seminar on “Potential Approaches in Herbaceuticals”, 27-28 Mar. 2009.
- Attended Second International Conference and Indo-Canadian Satellite Symposium On Pharmaceutical Sciences, Technology, **Practice, and Natural Health Products, 24-26 Feb. 2007.**
- 2 day Workshop Training Programmer for Nominees of CPCSEA at Ganga Auditorium, Indira Paryavaran Bhawan, organized by Ministry of Environment, Forest & Climate Change Animal Welfare Division, Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), New Delhi; *18th and 19th September, 2018.*

#### **EVENTS ORGANISED AS GENERAL SECRETARY AND COORDINATOR**

- Scientific Committee Member evaluator of IPA, at Anand Mathur Auditorium, Indore 2015.
- Head, Scientific Committee Member evaluator of National seminar “Innovation In Pharmaceutical Science, By Indian Pharmaceutical Sciences, at Indore 2016.
- National Pharmacist Day as Event Coordinator and evaluator in 28<sup>th</sup> Nov 2017 at Chitkara College of Pharmacy.
- LOC member of broucher committee at 69<sup>th</sup> IPC on dated 22-25 Dec at 2017 at Chitkara University.
- Poster Evaluator at 70<sup>th</sup> IPC dated Dec at 2018 at Amity University, Noida.
- Poster Evaluator at Indian Pharmacological Society conference at Feb at 2018 at MM University, Ambala.
- Organizing secretary of Pharmacy Practice Summit 2019, Chitkara College of Pharmacy, Chitkara university on dated 19<sup>th</sup> and 20<sup>th</sup> April 2019.
- Poster Evaluator at International conference of Pharmacy at 13<sup>th</sup> and 14<sup>th</sup> Sep at 2019 at MM University, Ambala.

#### **EXTRACURRICULAR ACTIVITIES**

- Volunteer in International Conference on Pathophysiology of Cardiovascular Disease Organized by Department of Pharmaceutical Science And Drug Research, Punjabi University, Patiala.
- Elected appointed Member: Executive Member of Indian Pharmaceutical Association

Madhya Pradesh Branch, Indore from 2017-Till.

### HOBBIES

- Listening Music & Playing Chess, Playing Cricket

### PERSONAL DETAILS

Date of Birth : 16<sup>th</sup> Jan, 1980  
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### REFERENCES

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The above information and particulars are true and correct to the best of my personal knowledge and belief.

Date

(Dr. Saurabh Gupta)