

## **Gaurav Upadhyay**

econstant.upadhyay23@rediffmail.com

### **BROAD AREA OF RESEARCH**

Drug Discovery and Biological Screening of Drugs, Molecular and Clinical Pharmacology

### **EDUCATION**

- **PURSuing Ph. D from Uttarakhand Technical University, Dehradun.**

(Ph.D registration no. **1500010147**)

- **M. Pharm. (Pharmacognosy and Phytochemistry) in 2011**

*I.S. F. College of Pharmacy, G.T. Road, Moga, Punjab Technical University, Jalandhar (Punjab)*

**Thesis Title:** Pharmacognostical studies and Evaluation of Hepatoprotective effects of *Roylea elegans* WALL. (Aerial parts)

My thesis is based on the studying the pharmacognostical properties and exploring the traditional claim of lemon scented hoary shrub *Roylea elegans* Wall. The widely common shrub is well distributed in Himalayan region. Pharmacognostical and standardization parameters of this plant are well established qualitatively as well as quantitatively (Upadhyay et al., 2011). An *In vivo hepatoprotective study* was successfully carried out in PCM and CCl<sub>4</sub> induced hepatotoxicity in rats, which claim its traditional uses (Upadhyay et al., 2017).

- **B. Pharm in 2009**

*D.J. College of Pharmacy, Newari road, Modinagar, Gaziabad, Uttar Pradesh Technical Univesity, Lucknow (U.P.)*

- **Intermediate (2005) and High school (2003)**

*New Beersheba school, Haldwani (UK), C.B.S.E*

### **PROFESSIONAL EXPERIENCE**

November 2020- Till now - **Assistant Professor**

MIT College of Pharmacy

MIT Group of Institutions

Ram Ganga Vihar, Moradabad, UP, India

July 2019- September 2020 - **Senior Assistant Professor**

Department of Pharmacognosy

Doon Valley Institute of Pharmacy and Medicine, Karnal  
India

Oct -2016 - July 2019 - **Assistant Professor (Head of Department)**

Department of Pharmacognosy and Phytochemistry

Kharvel Subharti College of Pharmacy

- Swami Vivekananda Subharti University  
Subhartipuram, Delhi-Haridwar Bypass  
Meerut, (U.P.) India
- July -2016 - Oct-2016 - **Assistant Professor**  
Department of Pharmacognosy and Phytochemistry  
Dr. K.N. Modi Institute of Pharmaceutical and Educational  
Research (Dr, KNMIPER)  
Opp. SBI Main Branch, NH – 58, Kapra Mill  
Compound Modinagar, Gaziabad (U.P.) India
- Feb- 2012 – Dec 2015 - **Assistant Professor**  
Department of Pharmacognosy  
Siddhartha Institute of Pharmacy  
Dobacchi, Shastradhara road, Near I.T. Park  
Dehradun, UK (India)

### **SKILLS AND EXPERTISE**

- Pharmacological evaluation of Herbal products such as Anti-diabetic, Anti-obesity, Wound healing, Anti-inflammatory and Hepatocarcinogenesis.
- Expert in handling of Column Chromatography, HPTLC, HPLC, analytical instruments and techniques like UV, Biochemistry semi-auto analyzer.
- Expert in microscopic technique both qualitative as well quantitative parameters of plant physiology.
- Animal handling (Rat, Mouse, Guinea pig) - PO, IP, IM and SC dosing.
- Well handled in developing histopathological studies for interpretation of tissue morphology.

### **CONFERENCES/ SEMINAR/ WORKSHOP ATTENDED**

- One Day Seminar on “**PHARM D: A NEW DEFINATION OF PHARMACIST**” held at Meerut institute of Engineering and Technology in 2008.
- Silver Jubilee Conference of IPGA, Theme- ‘**Challenges and Opportunities for Pharmacy Graduates in 21<sup>st</sup> Century**’ held at ISF College of Pharmacy in 2009.
- **62nd Indian Pharmaceutical Congress** held at Manipal University, Manipal in 2010.

- Presented Poster entitled as “Anti-obesity effect of methanolic extract of *Sida Cordifolia* L. (Aerial parts) in High – Fat diet induce obese rats” in **62nd IPC conference** at Manipal university, Manipal in 2010.
- ‘**14<sup>th</sup> National Convention of Society of Pharmacognosy**’ held at Hindu college of Pharmacy, Sonipat (Haryana) in 2010.
- National seminar on “**Rational use and clinical trials of drugs**” held at I.S.F. College of Pharmacy, Moga sponsored by AICTE in 2011.
- Workshop on ‘**Advance in Biotechnology and its application in conservation biology**’ organized by Dolphin Institute of Biomedical and natural in collaboration with Wild life institute of India and Geological survey on India, Dehradun in 2014.
- One Day Seminar on **Importance of Generic Medicine in Indian Scenario**, held at Kharvel Subharti College of Pharmacy, S.V.S.U., Meerut in 2017.
- Presented Poster entitled as “**New Advances and Use of Experimental Technologies in Isolation of Natural products**” in 3<sup>rd</sup> One day seminar on current regulations on herbal drugs and food supplements at Department of Pharmacognosy and Phytochemistry, Jamia Hamdard, New Delhi on 16 may 2017.
- National Seminar on ‘**Emerging role of pharmacy professionals to ensure good Pharmacovigilance practices**’ held at Dr. K.N. Modi Institute of Pharmaceutical Education and Research, Modinagar on 4<sup>th</sup> Nov 2017.
- Seminar sponsored by American Chemical Society (ACS) on ‘**Chemical Laboratory Safety and Security**’ held at Shalom Institute of Health and Allied Sciences, S.H.U.A.T.S., Allahabad, 2017.
- Attended workshop on ‘**Effective Science Communication**’ sponsored by American Chemical Society (ACS) and participated in quiz competition held at Shalom Institute of Health and Allied Sciences, S.H.U.A.T.S., Allahabad, 16<sup>th</sup> December 2017.
- Participated in International Seminar on ‘**Herbal Pharmacovigilance: Current Scenario and Future Strategies**’ sponsored by A.K.T.U. organized by I.T.S. college of Pharmacy, Murad Nagar, 31<sup>st</sup> August 2018.

- Participated in National conference on ‘**Currents Trends and Futuristic Challenges in Pharmaceutical Sciences**’ Organized by Department of Pharmaceutical Technology (M.I.E.T, Meerut) sponsored by A.K.T.U., 22<sup>nd</sup> September 2018.
- Attended One Day Workshop on ‘**Intellectual Property Rights**’ as per initiative of Ministry of Human Resource Development, Government of India organized by Swami Vivekanand Subharti University, Meerut, 14 January 2019.
- Presented Poster entitled as “**Antibacterial activity of *Scindapsus officinalis* fruit extracts against human pathogens**” in National conference on Recent Advances in Pharmacovigilance measures affecting Drug Development and Industry Output organized by Shobhit University, Gangoh, 11<sup>th</sup> and 12<sup>th</sup> February 2019.
- Participated in webinar ‘Post COVID-19: **Resurgence of Indian Industry and R&D**’ organized by SRM University- AP held on 15<sup>th</sup> May 2020.

## **MEMBERSHIP**

Life time membership of Indian Pharmaceutical Graduate Association (IPGA) with membership no.-**LM-4366**

## **RESEARCH/REVIEW ARTICLES PUBLISHED**

- **Upadhyay G\***, Kamboj P., Malik J., Pharmacognostical studies and evaluation of quality parameters of *Roylea elegans* Wall. (Aerial parts), International Journal of Research in Pharmaceutical and Biomedical Sciences, Vol. 2(4) Oct 2011.
- Afzal M., Gupta G., Kazmi I., Rahman M., **Upadhyay G.**, Ahmad K., Imam F., Pravez M., Anwar F., Evaluation of anxiolytic activity of embelin isolated from *Embelia ribes*, Biomedicine and Aging Pathology, Elsevier,45-4, 2012.
- Gupta G., Kazmi I., Afzal M., **Upadhyay G.**, Singh R., Habtemariam S., Antidepressant-like activity of Embelin isolated from *Embelia ribes*, Phytopharmacology, 4(1), 87-95, 2013.
- Upadhyay J., **Upadhyay G.\***, Joshi R., Juyal V., Effect of rhododendron flower juice on the bioavailability of amlodipine in rats, International Journal of Bioassay, vol- 3, 2014.

- Maurya H., Gandhi S., Kumar P., **Upadhyay G.**, Kumar T., Nephroprotective potential of *Curcuma caesia* roxb. In animal model, International Journal of Bioassay, Vol 3, No 10, 2014.
- Rishabh Srivastava, Abdul M Ansari, Atul Sharma, Prashant Kumar, **Gaurav Upadhyay**, Firoz Anwar, Validation of a Statistically Optimized Stability Indicating Method for the Estimation of Febuxostat in a Solid Dosage Form, EC Pharmaceutical Science,1(3):133-147, 2015.
- Jyoti Upadhyay, **Gaurav Upadhyay**, Amita Joshi, Systematic Review on Etiology of Epilepsy and Recent Advances in Its Treatment, IJPPR, Human, Vol. 7 (2): 252-265, 2016.
- Jyoti Upadhyay, **Gaurav Upadhyay**, Amita Joshi Rana, A prospective study on prevalence of epilepsy disorders and drug utilization pattern, Asian Journal of Pharmaceutical and clinical research, Vol 10, Issue 3, 136-139, 2017.
- **Gaurav Upadhyay\***, Jai Malik, Rohit Joshi, Lakshmayya, UK Singh, Hepatoprotective potential of lyophilized hydro-Alcoholic extract of *Roylea elegans* Wall. against CCL<sub>4</sub> and PCM induced Hepatotoxicity in Wistar Rats, Annals of Pharmacology and Pharmaceutics, Volume 2, Issue 8, 2017.
- Manish Pathak, U.K. Singh, **Gaurav Upadhyay**, Antibacterial activity of *Phyllanthus amarus* plant extract against stress resistant pathogenic bacterial strains: An Ethanomedicinal plant, Asian Journal of Science and Technology, Vol. 08, issue 09, September 2017.
- Tarun Virmani, Atul Sharma, Reshu Virmani, Jyoti Gupta and **Gaurav Upadhyay**, Transformation of Man into Stone- Rare and Dreadful Disease: Fibrodysplasia Ossificans Progressiva, EC Pharmacology and Toxicology, 6(7): 594-600, 2018.
- Harikesh Maurya and **Gaurav Upadhyay**, In-vitro pharmacological screening of alkaloids from the leaves of *Daphniphyllum longeracemosa* as an antifungal, International Journal of Pharmaceutical Science and Research, ISSN: 2455-4685, Volume 4; Issue 2; April 2019; Page No. 44-48, 2019.
- Harikesh Maurya and **Gaurav Upadhyay**, Pharmacological Evaluation of *Chrozophora tinctoria* as Hepatoprotective Potential in CCl<sub>4</sub> Induced Liver Damage in Rat, Journal of Applied Sciences, ISSN- 1812-5654, 2019.
- Manish Pathak, Lubhan Singh, Amit Kumar and **Gaurav Upadhyay**, Green Solvents And Their Importance In Medicinal Chemistry: An Overview, Subharti Journal of Interdisciplinary Research, Vol. 3 Issue 1, Apr 2020.

- Manita Malik and **Gaurav Upadhyay\***, *Leea macrophylla*: A Review on Ethanobotanical Uses, Phytochemistry and Pharmacological Action, Pharmacognosy Reviews, June 2020, 14(27):33-36.

### **BOOKS PUBLISHED**

- **Upadhyay G.**, Maurya M., Chauhan N., Traditional claim of *Roylea elegans* Wall. on Liver Disorder: A newly developing medicament to protect your liver was published, LAP Lambert Academic Publishing (26 may 2012), Germany, ISBN-10: 3659138878.
- **Upadhyay G.**, Maurya M., Gupta G., HPTLC and HPLC validation of biomarkers: Finger printing profile of Luteolin from *Eliptica elba*, LAP LAMBERT Academic Publishing (30 may 2012), Germany, ISBN-10: 3659144045.
- Dewedi R., **Upadhyay G.**, Singh K., Analgesic and Inflammatory Activity of *Symphorema polyandrum* Wight, LAP LAMBERT Academic Publishing (22 October 2012), Germany, ISBN-10: 3659264911.

### **EXTRA CURRICULUM ACTIVITY**

1st runner-up in volleyball tournament held at D.J. College of Pharmacy, Modinagar in 2008.

### **STRENGTH**

- Working in a Team
- Positive approach
- Integrity

**(Gaurav Upadhyay)**