



# PharmEssence

## e-Newsletter of the Department of Pharmacy Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)

### Message from Hon'ble Vice-Chancellor



I am delighted to learn that the Department of Pharmacy is going to start its triennial e-newsletter. The Department of Pharmacy is a pioneer entity in Pharmacy Education and Research in Chhattisgarh State. It has secured the 42<sup>nd</sup> National Institutional Ranking Framework (NIRF) ranking in Pharmacy in 2021. I am sure that the e-newsletter provide all updated information about the achievement, curricular and co-curricular activities of the Department to all concerned specially the academic fraternity and researchers at national and global level.

I congratulate the Dean, School of Studies in Natural Resources, Head and faculty members of the Department of Pharmacy and wish all the success.

**Prof. Alok Kumar Chakrawal**  
**Vice-Chancellor**

### **Chief Patron**

Prof. Alok Kumar Chakrawal  
(Vice-Chancellor, GGV, Bilaspur)

### **Patron**

Prof. Shailendra Kumar  
(Registrar, GGV, Bilaspur)

### **Head of Department**

Dr. Bharti Ahirwar

### **Publication Committee**

Dr. Harish Rajak  
Dr. Shivani Rai Paliwal  
Dr. K. Kesavan

### Message from Dean



I am happy to know that the Department of Pharmacy is going to begin its triennial e-newsletter. This e-newsletter will serve as an effective medium for disseminating achievements and activities of the Department of Pharmacy throughout the country and across the globe. The Department of Pharmacy comes under School of Studies in Natural Resources and known for its high standard academic and research activities. At present Department of Pharmacy has the 42<sup>nd</sup> rank in NIRF ranking, and I hope it will soon be among the top leading centre of excellence in Pharmacy in India.

I congratulate the Head and faculty members of the Department of Pharmacy for the e-newsletter and wish for its continuous successful publication.

**Prof. S.S. Singh**

**Dean**

School of Studies in Natural Resources

### **Dr. Bharti Takes Charge as HoD of Pharmacy Department**



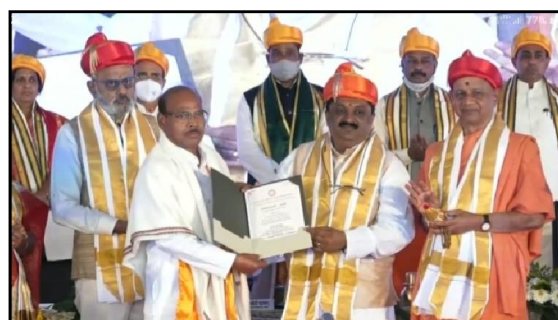
**Dr. Bharti Ahirwar** assumed charge as Head of the Department of Pharmacy, Guru Ghasidas Vishwavidyalaya (GGV), Bilaspur on December 31, 2021. She has 22 years of active teaching and research experience. She is serving the Department since 2000, presently working as Associate Professor. She is first candidate to be awarded Ph. D. degree from Department of Pharmacy, GGV, Bilaspur in the year 2009. She has also worked as Head, Department of Forensic Sciences, GGV, Bilaspur during 2016 to 2021. She has been granted four Patents and successfully completed several research projects. She has published more than 80 research papers in various national and international Journals of repute. She is member of various professional bodies including APTI, ISP, IPA, ISTE, and SEPR. She is recipient of Chhattisgarh Young Scientist Awards and Research Award from UGC. On this occasion, all the faculty members of the department congratulated her.

### **New FT-IR Installed in Department of Pharmacy**

The Department of Pharmacy added new Instrument to its Central Instrumentation Laboratory. A new Perkin-Elmer Fourier

Transform Infrared (FT-IR) spectrophotometer worth of Rs16.5 lakhs was installed in Central Instrumentation Laboratory. The grant was received under MODROB scheme of AICTE, New Delhi. The new FT-IR is going to accelerate the ongoing research work of Pharmacy Department through structural elucidation of new drugs and pharmaceuticals.

### **D. Litt Awarded to Prof. Vinod D. Rangari**



**Prof. Vinod D. Rangari** was awarded Degree of Doctor of Litterateur (D. Litt.) on his research work, "84,000 Dhammakhandha of Buddhism". The D. Litt. was awarded to him in a ceremony at Kavi Kulaguru Kalidas Sanskrit Vishwavidyalaya, Ramtek, Nagpur.

### **Dr. Shivani Appointed as Section Editor in Current Indian Science**

**Dr. Shivani Rai Paliwal** appointed as Section Editor in the Journal "Current Indian Science". She will handle Nanomedicine section in this Journal. The "Current Indian Science" publishes original research articles, letters, case reports, reviews/mini-reviews, in various disciplines focused largely on science in India. The Journal is being published by Bentham Science publishers.

### **Recognition in World Ranking of Researchers**

**Dr. Dilip K Pal, Dr. Sanjay Bharti, and Dr. P.P. Roy** have been recognized among the top 2% of scientists of the world as per the list

released by Stanford University, United States. Honourable Vice-Chancellor Prof. Alok Kumar Chakrawal felicitated these faculty members during a ceremony organized on Guru Ghasidas Jayanti on December 18, 2021. Another scientific ranking released by AD Scientific has identified Dr. Dilip K Pal and Dr. Shivani Rai Paliwal as the top 2% scientist of the Guru Ghasidas Vishwavidyalaya, Bilaspur (CG). On this occasion, the faculty has congratulated them.

### Regional Director, ICCR, Bhopal visited Pharmacy Department



**Shri Manoj Kumar**, Regional Director, Indian Council for Cultural Relations (ICCR), Bhopal visited Pharmacy Department on December 22, 2021. Prof. Manish Shrivastav, Dean School of Commerce and Management and OSD (Development), GGV accompanied him. Shri Manoj Kumar interacted with faculty members and encouraged them for filing international patents of the research work being carried out in the Department. The University is in process to be enlisted in ICCR so that foreign students may take admission in the Pharmacy Department.

### Patents Granted to Faculty

An Australian patent entitled "Nebivolol loaded poly (D, L-Lactic-Co-Glycolic acid) or (PLGA) Nanoparticles for high blood pressure" granted

to **Dr. Bharti Ahirwar** on October 20, 2021. The patent number is 2021106458. The patented nebivolol loaded nanoparticles have showed improved therapeutics during antihypertensive studies.

An Indian patent entitled "Novel biphenyl oxathiazolididione synthesis and their uses off" granted to **Dr. Akhlesh Jain** on November 25, 2021. The patent number is 382575. These patented novel thiazolididiones derivative are PTP1B inhibitors and have showed significant anti-diabetic activities.

### Ph.D Degree Awarded to Four Students

**Mr. Kantrol Kumar Sahu** was awarded Ph.D. for his thesis entitled "Immunological evaluation of colon targeted new generation vaccines" on August 04, 2021 under the supervision of Dr. RaviShankar Pandey, Assistant Professor, Department of Pharmacy, GGV, Bilaspur.

**Mrs. Monika Kaurav** was awarded Ph.D. for her thesis entitled "Bionanocapsule mediated transcutaneous immunization" on August 04, 2021 under the supervision of Dr. RaviShankar Pandey, Assistant Professor, Department of Pharmacy, GGV, Bilaspur.

**Ms. Roshni Tandey** was awarded Ph.D. for her thesis entitled "Study of environmentally induced oxidative stress & its effect on production of secondary metabolites in some nutraceutically rich dietary plants" on September 28, 2021 under the supervision of Dr. Vivkeananda Mandal, Assistant Professor, Department of Pharmacy, GGV, Bilaspur.

**Ms. Shilpa Vaishnav** was awarded Ph.D. for her thesis entitled "Phytochemical investigation and antisickling activity of selected medicinal plants" on December 15, 2021 under the supervision of Professor Vinod D. Rangari, Department of Pharmacy, GGV, Bilaspur.

### Publications by Faculty

**Prof. Vinod D. Rangari** published a book on the title 'Scholars'. It gives the reader an insight into the tremendous efforts & dedication which are essential requisites for a person working for a doctorate degree. The book has been published by Notion Press, Chennai.

**Dr. V. Mandal** published a book on the topic "Fundamentals of Patents and Patenting". The publisher of the book is BS Publications, Hyderabad. The book describes various steps involved in patenting in India and abroad.

The faculty of the Department of Pharmacy published **16 research and review papers** in various high impact national and international Journals including AAPS PharmSciTech, Current Drug Delivery, Current Nanomedicine, Biochemical and Molecular Toxicology and Current Eye Research.

The faculty published **05 book chapters** with esteemed publishers including CRC Press, Elsevier Publishers, BP International Publishers, Kolkata.

### Department of Pharmacy Signed 6 MoU's with Pharma Industries

Department of Pharmacy has entered into MoU with the following industries for research collaboration and for the purpose of student internship along with placements. All these MoU's were signed in October, 2021 in accordance with AICTE requirements. 1. Zim Laboratories Ltd., Chindwara Road, Nagpur; 2. M/S Ayurved Health House, Tifra Industrial Area, Bilaspur; 3. Central India Pharmaceuticals, MIDC area, Nagpur; 4. Deepti Pharmaceuticals, MIDC area, Amravati Road, Nagpur; 5. Mrunalini's Ayurveda Pvt. Ltd.; 6. Nitika Pharmaceuticals Specialities Pvt. Ltd., Nagpur.

### Dr. Harish Received Dynamic Pharma Teacher Award



**Dr. Harish Rajak**, Assistant Professor, Department of Pharmacy, GGV received "Dynamic Pharma Teacher Award" from Indian Pharma Educational Society (IPES), Lucknow on December 30, 2021 for his outstanding contribution and sincere dedication towards pharmacy profession. IPES is a renowned academic organization of Pharma professionals with the objective of providing a national platform for dealing with all issues related to Pharmacy Teaching and Education in India.

### Invited Lectures Delivered by Faculty

**Dr. Harish Rajak** delivered an invited lecture on the topic "Development of Entrepreneurial Skills in Pharmacy Students" on November 18, 2021 in the national seminar organized by Amity Institute of Pharmacy, Amity University, Gwalior (MP).

**Dr. Arjun Patra** delivered a lecture on the topic "Research Design & Methodology" during Faculty Development Programme (22-26 November 2021) organized by Faculty of Pharmacy, IFTM University, Moradabad (UP), India.

**Dr. Vivakananda Mandal** delivered an invited talk on "Hands-on Training on Indian Patent Filing & Document Handling" on September 25, 2022 organized by ICMR-National Institute of Traditional Medicine (NITM), Belagavi, Karnataka.