

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Report of two days national workshop on botanical extraction and phytochemical techniques

Date of Event : March 18-19, 2023

Venue : Department of Pharmacy, GGV, Bilaspur

**Two Days
National Workshop
cum
Hands-on Training
on
Botanical Extraction
and
Phytochemical Techniques**

March 18-19, 2023

Organized by
Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur, Chhattisgarh

**Two Days
National Workshop
cum
Hands-on Training
on
Botanical Extraction
and
Phytochemical Techniques**

March 18-19, 2023

Department of Pharmacy

Welcomes
All Delegates



Two Days National Workshop cum Hands-on Training on Botanical Extraction and Phytochemical Techniques
(A Capacity Building Initiative)
March 18 - 19, 2023
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
DEPARTMENT OF PHARMACY (DIVISION OF PHARMACOGNOSY)

- HANDS-ON TRAINING WITH DOCKING STUDIES OF NATURAL PRODUCTS - USING FREE ONLINE TOOLS
- ADVANCED BOTANICAL EXTRACTION (MAE, COMPUTER CONTROLLED SOXHLET, ESSENTIAL OIL EXTRACTION, COLUMN CHROMATOGRAPHY, BIOASSAY GUIDED FRACTIONATION & SAMPLE ENRICHMENT)
- QUANTITATIVE PHYTOCHEMICAL ANALYSIS - TLC, HPLC, ALKALOIDS CONTENT, ANTIOXIDANT ACTIVITY, ACID VALUE, DOT-BLOT AND MANY MORE
- GREEN SYNTHESIS OF METAL NANOPARTICLES / DRUG ENCAPSULATION INTO ALGINATE BEADS
- HPLC FINGERPRINTING - AUC CALCULATION AND DATA INTERPRETATION
- PHARMACOLOGICAL SCREENING - PROTOCOL, VALIDATION
- HOW TO CONDUCT LITERATURE REVIEW AND UNDERSTANDING PATENTING OF NATURAL PRODUCTS
- RESEARCH PROJECT DESIGN, SYNOPSIS WRITING AND MANUSCRIPT WRITING FOR PUBLICATION

ONLY 30 SEATS REGISTER BEFORE 8TH MARCH

BANK DETAILS
Account Number: 37137162271
IFSC: SBIN008879
Name: REG Guru Ghasidas Uni Bilaspur

UG students: Rs 1200
PG & Ph.D scholars: Rs 1500
Faculty members: Rs 1800
Industry Personnel: 2200

registration includes lunch and tea & recommendation to be provided for nomination candidates on nominal charges at University guest house

Video Tutorial
Convener: Prof. Bharti Ahirwar (HOD-Pharmacy)
Coordinators
Dr. Arjun Patra & Dr. Vivekananda Mandal
Contact details for any queries: Email: notraj@gmail.com, Mobile: 7387472660 & 7387472798

Workshop Flyer

Details of Event Proceedings

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
18-03-2023 - 19-03-2023	Docking studies, Chromatography, Quantitative phytochemical techniques, herbal formulation	Dr. P.P. Roy, Prof. VD Rangari, Prof. Bharti Ahirwar, Dr. V. Mandal, Dr. Arjun Patra. Dr. Akhlesh Jain, Dr. Neeli Rose Beck & Dr. Nishant S. Jain	50

A Brief Abstract of the Event (Maximum 400 words)

A two days workshop cum hands-on training on botanical extraction and phytochemical techniques was organized by the Department of Pharmacy on March 18-19, 2023. The convener of the programme was Dr, Bharti Ahirwar (HOD-Pharmacy) and the workshop was coordinated by Dr V. Mandal and Dr. Arjun Patra. 60 participants had registered for the

Report of Webinar on "Entrepreneurship As A Career Opportunity"



workshop from all over the country. The participants consisted of UG/PG students, Ph.D research scholars and faculty members from different institutions. The workshop was conducted as a capacity-building initiative to bridge the learning gap that was created during COVID lockdown period when institutions were closed and the students badly suffered in terms of gaining practical lab knowledge.

The programme was inaugurated by DEAN School of Natural Resources – Prof. S.C Tiwari and Pharmacy HOD, Dr. Bharti Ahirwar who both pressed upon exploring the rich biodiversity of Chhattisgarh for the discovery of new herbal medicinal products. They also emphasized the point of becoming self-reliant for the students. The blessing of the Honourable Vice-Chancellor was obtained through a video message who wished the participants a happy learning experience and appealed to the participants to use the skill set gained through this workshop in becoming self-reliant in future. Various botanical extraction methods and phytochemical techniques involved in drug discovery from medicinal plants were demonstrated with training on data interpretation by Dr. V. Mandal. The participants were also given a flavor of computational chemistry by Dr. P.P. Roy where they worked on software related to molecular modelling and drug design. Training on the preparation of various herbal formulations was provided by Dr. Akhlesh Jain and Dr. Arjun Patra. Prof. V.D. Rangari and Prof. Bharti Ahirwar briefed the participants regarding the quality control of herbal drugs and the preparation of traditional herbal formulations. Prof. A.K. Dixit illustrated the various techniques of plant collection, identification and authentication. The workshop was sponsored by multiple corporate partners.

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Participants attending the two days workshop at the Department of Pharmacy

(Dr. Vivekananda Mandal)
Workshop Coordinator