

DEPARTMENT OF DRAVYAGUNA

DEPARTMENTAL PROFILE:

अनेनोपदेशेन नानौषधिभूतं जगति किञ्चिद्द्रव्यमुपलभ्यते

तां तां युक्तिमर्थं च तं तमभिप्रेत्य॥१२॥

Charaka Sutrasthana 26/12

According to Charaka there is nothing on the earth which is not medicine. That's why Ayurveda considers all substances as medicine, if used for specific purposes in an appropriate way. Dravyaguna vigyan deals with the principles, qualities, action and therapeutic profiles of the food / drugs substances in Ayurveda. This department also includes modern pharmacology, Pharmacognosy, Pharmaceutics of plants and other materials related to medicine. It is an important branch of Ayurved; as herbal drug is the main tool of Ayurvedic treatment. Along with theoretical lectures, applied knowledge is given to students through live demonstration of medicinal plants in the herbal garden and museum of raw samples of drugs. Department is also engaged in PG and Ph.D. Programmes.

FACULTY PROFILE:

Name	Qualification	Designation
Dr. Manasi M. Deshpande	B.A.M.S.,M.D. Ph.D	Professor & H.O.D.
Dr. Shobha A. Khilari	B.A.M.S., M.D.	Associate Professor
Dr. Ninad B. Nangare	B.A.M.S.,M.D. Ph.D	Associate Professor
Dr. Tejswini Babar	B.A.M.S.,M.D. Ph.D (Sch)	Assistant Professor
Dr. Shardul Shivpur Pathak	B.A.M.S.,M.D.	Assistant Professor

MUSEUM:

Most valuable asset of our department is the departmental museum. More than 550 raw material specimens are preserved and classified in different manners in the museum. It contains Himalayan plants and rare species specimens collected from different regions of the country. Herbarium sheets are also preserved. A reference museum consisting of useful part of the plants with all details is also available in department. The students are motivated to take benefit of departmental herbal garden to identify the species and to understand the morphological characterization of medicinal plants.



DEPARTMENTAL STRENGTH:

- All faculty members are well qualified with good experience of teaching at UG and PG level as well. Two staff members are PhD while 3 staff members are enrolled for the same.
- Departmental library is a rich source of reading material containing many rare and out of print books like *Nighantus*.
- UG and PG students from different college/ institutes, school students and common people regularly visit departmental herbal garden to enrich their knowledge of various plants species. Some of the plant products from herbal garden are also used regularly for preparation of herbal medicines in college pharmacy.

UNIQUE FEATURES:

- The department often participates and exhibits medicinal plants in various exhibitions. It has received special awards from Pune Municipal Corporation for the same.
- Free consultancy regarding Cultivation, Plantation of medicinal plants for interested people is offered by the department.
- The well planned herbal garden that includes several extinct and rare species of flora is unique feature of department. Total no. of species is more than 285 whereas total no. of medicinal plants are more than 1100.
- Departmental faculty actively participates in lectures regarding awareness of Medicinal plants.

ACHIEVEMENTS:

Awards received

Dr. Manasi Deshpande

1. CCRAS AYUSH award for Best Teacher in Literary Research Teaching, 2019
2. Central Council of Indian medicine, New Delhi Vidyarthi Shilpakar 2019 Award from Nanal foundation
3. 'Acharya' award in 2017 by C.C.I.M. New Delhi.
4. 'Maha Ayush Kamal Puraskar' in 2017
5. Award for 'Best Research Fellow' by Bharati Vidyapeeth in 2015.

Dr. Prajakta Rakh (MD Scholar) and Dr. Shobha Khilari (Asso. Professor)-

First Prize for Poster Presentation Topic – “Ayurvedic Approach to Skin Care: An Overview” in National Conference Dravya Guna Prabodhini-2019, Government Ayurveda Medical College, Bengaluru February 2019

EVENTS ORGANISED:

Name of event	Date	Organizer	Funding source
Process & Implementation of Access and benefit sharing mechanism for biological resources.	6 th January 2016	Bharati Vidyapeeth(Deemed to be University) College of Ayurved – Dravyaguna Dept. Pune in association with IASTAM – India and Maharashtra State board of Biodiversity- Nagpur	Symposia was part of ICAAM 2016, (ICAAM was sponsored by Ministry of AYUSH)

RESEARCH ACTIVITY:

Funded Research Major Projects:

A Major project entitled ‘Validation of traditional Unani plant products and their ingredients for anticancer effect on hepatocellular carcinoma’ is sanctioned grants from Ministry of AYUSH (Govt of India, New Delhi). It is interdisciplinary research work in collaboration with Bharati Vidyapeeth University Rajiv Gandhi Institute of Bio-Technology and College of Ayurved. Prof. Dr. Manasi Deshpande is a Co Investigator.

Minor Funded Projects:

Completed Projects funded by Bharati Vidyapeeth (Deemed to be University) are as follows: -

Sr. No	Project Title	Name of the P.I/ Co.I	Funding Agency	Duration (From_ to_)	Total Financial Outlay
1	Survey and study of the medicinal plants in selected area of Yaval forest region (Jalgaon District) wsr to ethno botanical uses and Ayurvedic pharmacological actions	Dr. Shobha Khilari Dr. Manasi Deshpande	B.V.D.U.	2012-2014	50,000/-
2.	In vivo study of folklore plant Kukutnakhi (Aspidiumcutarium) for its osteoarthritis activity in animal models	DR. Manasi Deshpande Dr. Shobha Khilari	B.V.D.U.	2012-2014	50,000/-

3.	In vitro regeneration and micropropagation of Selected Ayurvedic plants.	Dr. Shobha Khilari	B.V.D.U.	2012-2014	25,000/-
4.	Physico-chemical evaluation of Kasaharchoorna from Charakokta Mahakashaya	Dr. Vidya Sawant	B.V.D.U.	2012-2014	15,000/-

M.D./ Ph. D. level

- 1) Research projects for Ph.D. : Completed – 04
- 2) Research projects for Ph.D. : Ongoing – 04
- 3) Research projects for M.D. : Completed - 73
- 4) Research projects for M.D. : Ongoing projects - 03

Books Published:

Prof. Dr. Manasi Deshpande has published books as-

- ‘A text book on Bhaishjya Kalpana in Hindi, Tahagat Prakashan, Pune,2003
- A text book on Dravyaguna Vigyan vol 1 in Hindi. Publisher Chaukhambha Sanskrit prakashan, New Delhi,2007
- A text book on Dravyaguna Vigyan vol 2 in Hindi. Publisher Chaukhambha Sanskrit prakashan, New Delhi, year 2009
- Co- editor, A hand book Ayurved- Sarvansathi, published by World Ayurved congress, November 2006
- Herbal Formulation Development- Traditional and Modern perspectives , 2019
- Editorial Member- Prama- Indian Women Scientists
- Editor- standard protocol for quality assessment of raw material medicinal plants materials on the basis of Rasa

Numbers of Research Publications:

Dr Manasi Deshpande: 70
Dr Shobha Khilari: 24
Dr. Ninad Nangare: 17
Dr. Tejaswini Babar- 12

Pharmacovigilance cell

Establishment of Peripheral Pharmacovigilance centre under Ministry of AYUSH, New Delhi working since 2018

Introduction

Pharmacovigilance is the science and activities relating to the detection, assessment, understanding and prevention of adverse effects or any other drug related problems. Pharmacovigilance cell functions under the Department of Dravyaguna Vigyan.

Objectives

- *To monitor Adverse Drug Reactions (ADRs)*
- *To create awareness amongst health care professionals about the importance of ADR reporting*
- *To undertake surveillance of misleading advertisements of these drugs*

Sensitization Program carried out by Pharmacovigilance Cell

- Awareness program regarding importance of ADR monitoring was carried out for
- Special lectures on Pharmacovigilance are taken for interneers and under graduate students
- Special awareness programme for Ayurved doctors and practitioners.

EXHIBITION

On the occasion of the birthdays of our beloved leaders, Hon'ble founder Dr.Patangrao Kadam Saheb and Hon'ble.Secretary Dr.Vishwajeet Kadam, an **exhibition of all medicinal plants and herbs** was organized in the hospital from 8th January 2023 to 13th January 2023 with motto "SOCIAL TRANSFORMATION THROUGH DYNAMIC EDUCATION". Green plants and dry species of the useful part of the plant with the detail information were displayed . Post graduate students with a team of interns guided by teachers of the department of Dravyaguna Vigyana provided information to all visitors.

PHOTO GALLERY:

Herbal Garden



Tree plantation



VISITORS AT BHARATI VIDYAPEETH COLLEGE OF AYURVEDA DRAVYAGUNA DEPARTMENT



Hon. Secretary of AYUSH visit the department during NAAC

ABHINAV EDUCATION SOCIETY PHARMACY COLLEGE 1ST YR STUDENTS VISIT AND TESTIMONY



feedback 07/5/2022

Abhilasha Borkar
 Sumita Indalkar
 teachers
 AES College of Pharmacy

We are very glad for giving
 us permission for Herbal Garden visit
 Visit was very nice, staff was very
 co-operative and provided adequate
 information to our student. This
 information would be very helpful to
 our student in academics.
 Looking forward for such visit
 every year.
 Thank you so much for valuable
 time.

(Signature)
 9208190841 Abhilasha Borkar
 9839227401 Indalkar Sumita





Visit of Primary school students of Karmaveer School of Bharati Vidyapeeth

VISIT PLANET AYURVEDA- FOUNDER- DR VIKRAM CHAUHAN





Awareness Program in collaboration with Shri Baidyanath, Nagpur





Catharin Wrinkler from Germany visited Herbal Garden



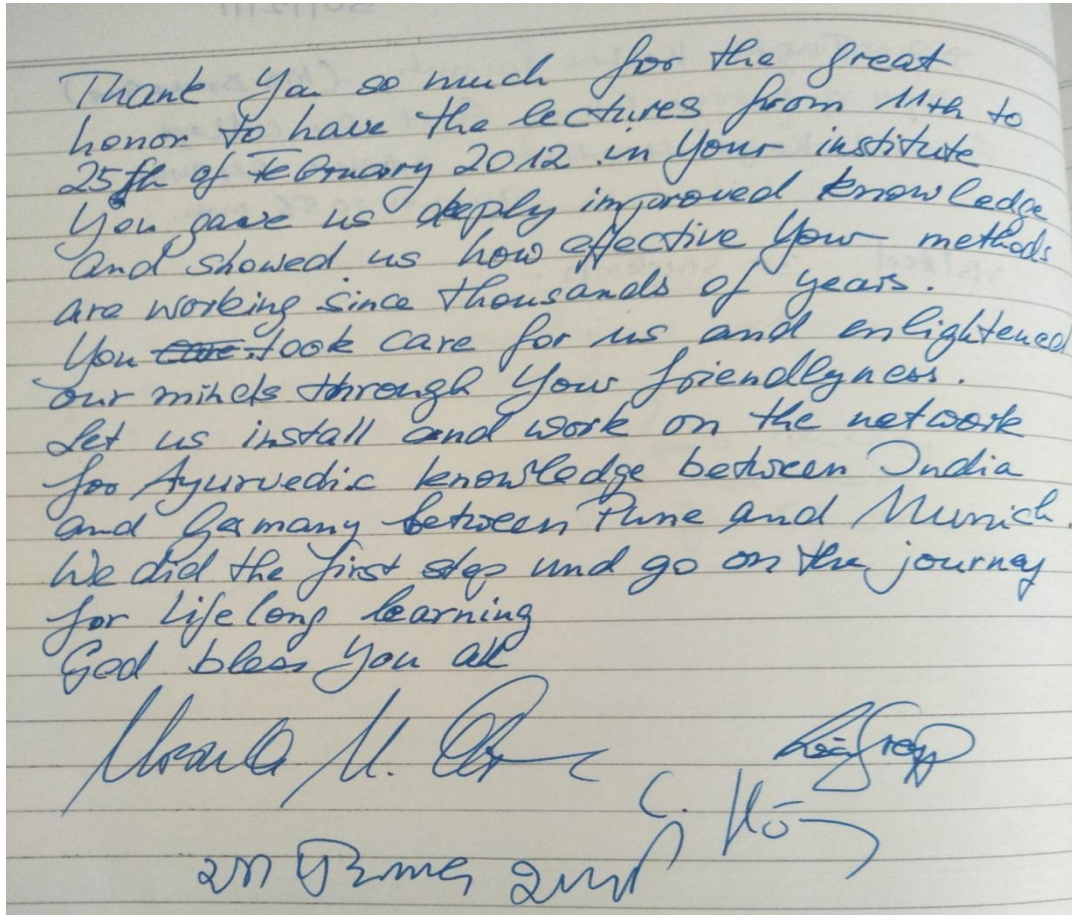
Symposium organized on the Process & Implementation of Access and benefit sharing mechanism for biological resources



Bharati vidyapeeth college of Ayurveda, department of Dravyaguna has organized a medicinal plants exhibition at Bharati Vidyapeeth Hospital, Dhankawadi from January 8 to January 13, 2023, to commemorate the birth anniversary of the Hon. Dr. Patangarav Kadam saheb and the birthday of secretary Hon'b Dr. Vishwajeet Kadam. The exhibition was inaugurated by the principal, Dr. Abhijit Patil. The general public, hospital visitors, patients, and students studying Ayurveda and other disciplines visited the exhibition. This exhibition was exhibited with 150 dry specimens, 60 plants, and 98 charts sharing knowledge about Ayurveda, Prakruti, Ashtang Ayurveda, and Ayurvedic herbs. The daily diet's components, including a variety of pulses, spices, grains, millets, and dry fruits, as well as advice on what to eat and what to avoid, were the exhibition's main draws.

TESTIMONIALS:

Feedback of German doctor Dr. Sharma regarding lectures and practical conducted



Feedback of Josu, a researcher from Mondragon university regarding integrative research

JOSU CONSULTANT

+91 7038 933 165

josu.want@gmail.com

Doing a Research about Ayurvedic medicine

Mondragon University / Florida estate Oxford
suites/rooms Midds ca

It is nice to see that using herbs and plants you can cure many illnesses. That the combination of them even can cure cancer.

From my side, the mix between Ayurvedic technique and modern science can help us in our way of cure diseases.

The explanation Dr Neeta has given me will help us in the elaboration of our research.
Thank you for your time and kindness

Dr. Ravi Rao feedback for Department museum

Dr RAVI RAO S
ASSI PROFESSOR,
Dept. of Dravyaguna.
A.A.M.C, Moodbidri
Karnataka.

Department and Museum is very well organized.
~~And~~ Visit to the Institution was fruitful.
We are very much thankful to Dr. Nived and
Deshpande (H.O.D) for their valuable time and

Feedback from common people regarding exhibition

Very good information DR. Akshay Deshmukh as a student gave to ITBIMS students & the exhibition of medicine plants & its uses were explained & doubts were cleared in very lucid way. Thankyou for this exhibition -
 [Signature]
 13/11/2023

Dr. Tatin Benaur - Asst. Professors, RGITBT, BVDU
 The exhibition displays many important aspects of health. All the plants and spices, their pictures and catalogues has helped me understand them in a better way. Any person can benefit from such vast display. A well organized items can trigger research interest as well. Thank you.
 [Signature]

25) अनिराय खान सादरीकरण केने आहे.
 Intern Dr. चांगली माहिती देत आहेत.
 M.A. Patwardhan
 BVCOEW Pune

26) माहिती अनिराय उच्चरीत्या सादर केनी आहे.
 Intern Dr. कडून उपयुक्त माहिती मिळाली
 Dr. S.S. Jadhav
 BVCOEW

24) उत्कृष्ट रित्या, अर्ध शोधही इत्यादी उपपारक धारणीत उपयुक्तता व त्याची द्रायुर्वेदिक पोषणुसा दिलेनी माहिती प्रविश्य उत्कृष्ट होती. तसेच दशवून दिलेले इल प्रशमोपेक आधीन वसा वापरावत हे चांगल्या प्रकार समजावून आणीत.
 श्री. निरंज पटेल
 Niz

Very good
 Nice collection of Information
 सादरीकरण उत्कृष्ट
 Khazare Shikaji

13) मित्रक उत्तम Very good
 14) आपल्या सहोपनाली उपलब्ध होणा-या वकस्यती-या उपयोग या प्रदर्शनामुळे माहिती झाली व या-या उपयोग निरोधी आयुष्य वाढवण्यासाठी लोडु झालतो माहिती विनयावदुल्य धरवया.
 [Signature]
 12/11/23

15) Very informative & useful. Few things could be explained more in Hindi & English in the charts along with Marathi.
 Assistant Prof.
 School of Optometry

25) प्रिया बाबू ठाकरे वडगाव

26) धनंजी गोरखपते श्री संत लकाराम शिक्षण

प्रसारक कला व विज्ञान वडगाव माध्यम

वनस्पतीची कृतीशय महत्त्वपूर्ण अशी मरिती आम्हांला
या शिबिरामुळे मिळाली आयुर्वेदीक औषधाचे आपल्या
जीवनात स्वरूप महत्त्व आहे. औषधासोबत आयुर्वेदीक
उपचार करणे स्वरूप महत्त्वाचे असते. आयुर्वेदामुळे जे
विकार बरे न होणार असतात. ते पणू याच्या माध्यम
मात्रून बरे होतात. व त्याचा आपल्या रोजच्या जीवनात
वापर केला जातो. व आपण आम्हांला मरिती उपलब्ध
करून दिल्या बाबत धन्यवाद!