

## Department of Rasashastra Evam BhaishajyaKalpana

### FACULTY PROFILE:

Name	Qualification	Designation
Dr. Madhuri Pawar	B.A.M.S., M.D.( Rasashastra Bhaishajyakalpana )	Professor & H.O.D.
Dr. Swati Gadgil	B.A.M.S., M.D, ,( Rasashastra ), PhD	Asso. Professor
Dr. Trupti Patil	B.A.M.S., M.D, { Bhaishajyakalpana , PhD	Asso. Professor
Dr. Sarika Patil	B.A.M.S., M.D, ,( Rasashastra Bhaishajyakalpana ) PhD[Sch]	Assi. Professor
Dr. Madhura Phadtare	B.A.M.S., M.D, ,( Rasashastra Bhaishajyakalpana )	Assi. Professor

In the department of RSBK enthusiastic teachers are working with efforts and have been committed to the overall development of the students. Innovative approaches of teaching and hands on practical training are the key points of department.

Dr. Madhuri Pawar Professor and HOD of the department. A very passionate and hard-core teacher having command on practical aspects of the subject; is her identity. She is known for her crystal clear and good delivery of topics. She is the favorite teacher of students across all professional years. She also shoulders the responsibility of students support cell and MOM of the college and Ayurved hospital. She has guided over a dozen of M. D. and Ph. D. students with her scientific approach. Acumen for product development and testing has led her to publish a good number of research papers in indexed journals and has h-index 5 and i-10 index 4. One patent with her Ph.D student is published on newly developed dosage form "Hair Gel" of combined ten herbal drugs

Dr. Swati Gadgil is the Associate professor of the department with a tight grip on *samhitas* and classical texts of *Rasabhaishjya*. A well-balanced blend of traditional practical approach and modern analytical methods is her strength. She is also a favorite teacher and an eminent guide due to her methodical teaching and scientific guidance. She is a popular Guru at Madhavacharya Gurukula for past decade. She has a very good connect with Vaidyas , Pharmacies and research laboratories. Her research work on Brahmai Ghrita opened new arena for Avaratan concept and potentization of the formulation useful in neurological ailments. She has published good number of research papers in indexed journals. Her h index is 2 and i-10 index is 1.

Dr. Trupti Patil is the Associate professor with the zeal to explore new boundaries in the science. Specially interested in *Rasaushdhies* and nanoscience for Bhasmas; her research on bioavailability of *Shwaskuthar Rasa* and *Suvarna bhasma* has added new mechanistic knowledge about the drugs. She also has an expertise in analytical testing of raw materials of herbal and metal -mineral types. She is a good orator and has delivered lectures in the College of Ayurveda associated with Middlesex university of UK, participated in meetings at House of Lords, and at present is a member of Ayur-Yoga project of University of Vienna. She is governing the teaching pharmacy of the department and is in-charge of pharmacy unit. She has published numbers of research papers in peer reviewed journals H-index and i- 10 index are 1. Updated with newer developments in the field this enthusiastic teacher of the department has a good potential.

Dr. Sarika Patil is the Assistant Professor of the department. She is the bright alumni of this institute. She is a passionate and hard-working teacher using innovative current trends and methods in her teaching. She is guiding students of department to enrich their ayurvedic science concept of pharmaceutics blending with modern science techniques. She is currently pursuing her Ph.D in the area of drug discovery for the *rasayan* (immunomodulatory) and *vayasthapana* (Antiaging) activities.

Dr. Madhura Phadtare is Assistant professor of the department. She is a good teacher taking efforts to teach and enhance learning abilities of undergraduate students. She is delivering information based on Ayurveda science and exploring ideas to develop new products required for current era needs of people.

#### DEPARTMENT PROFILE:

Rasashastra Evam Bhaishajyakalpana department takes pride in providing the enriching experience it offers to the students in terms of traditional and modern aspects of Ayurvedic pharmaceutics and pharmacology. The professors always walk that extra mile to take the students at newer heights carrying forward its work culture since its inception in 1999. Department comprises of *laboratories*, museums and a separate pharmacy building, quality control laboratory. Students learn to identify hundreds of drugs, get hands on experience of making ayurvedic medicines, test those for quality standards, the mode of actions and therapeutic uses in practical-clinics. The routinely used choorna, gutivati, medicated oils and Avaleha-sharkara kalpa like Sitopaladi chorrna, Chyavanprashavaleha, Soubhagya sunthi paka, Suprja, Bala- Sahachar taila, Triphala ghrita etc formulations and such over 100 products are made in the pharmacy. Some difficult to perform products like *Rasapottali*, *Rasasindura*, *Yashad bhasma*, *Abhrak Bhasma*, *Suvarna sarasvatarishta* are also prepared and demonstrated for students

Rasashastra Bhaishjyakalpan is 'the backbone' of Ayurvedic medical science, because it develops the thought process in the minds of students regarding activities of drugs and formulations for any disease. Rational selection of appropriate medicine using the chronotherapeutic approach and food drug interaction is the uniqueness (USP) of Ayurvedic treatment. The subject builds a foundation of good clinical practice of Ayurveda.

#### MUSEUM:



- A well-maintained museum is structured in a smart way to give a student, perfect knowledge of the drug materials that are used in Ayurveda. Specimens of various metals and minerals, their subtypes, are grouped appropriately and sequentially displayed in museum. U.G & P.G students get to see samples of rare herbal and mineral drugs. This display of raw drugs helps to identify and understand the ideal sample of mineral and herbal drugs. A complete section of hundreds of ready to use formulations is a distinguished feature of the museum. It also consists of fiberglass models of traditionally used instruments and assemblies for processing mercury, sulfur, copper and other metal minerals to convert them into drugs.
- The specimens of Abhrak [Mica] are collected from corners of India and displayed accordingly. Unique collection of precious, semi-precious stones is also available. Various rare samples collected and gifted by our past students increase the value of the museum. This shows the connect of the alumni students with the department and highlight the integrity of the teaching -learning.
- Informative pictorial charts which simplify the complex phenomena are displayed in the museum. One reading of the charts brushes up the concepts of Metal-Mineral and Herbal ayurvedic dosage forms.

### STRENGTH OF THE DEPARTMENT:

- Well qualified, enthusiastic, and experience rich teaching faculty always working in harmony.
- A good number of Post Graduate alumni shining in bright colors are attached to the department to mentor new students. All are well placed entrepreneurs, practitioners, company heads, academicians each one perusing a good career path.
- The department has conducted different research projects/works focused on drug development including two major funded and some minor research projects.
- Collaboration with other sister institutes viz. Pharmacology department of Medical college, Poona College of Pharmacy, College of Engineering, IRSHA and many industries like Ayurveda Rasayani, Pharmaza herbals, Shri Dhootpapeshwar Ltd., Punarvasu Aushdhalaya and national laboratories like RIFTR, NCL, C-MET, CCIH and Physics department of SPPU with interdisciplinary approach.

### UNIQUE FEATURES:

- Problem based teaching and learning methods since it is a very practical subject.
- Encouraging work culture in the department to explore innovative research ideas in ayurvedic drug development those deal with nanomedicine, bioavailability of bhasmas, drug potentiation, food supplements and nutraceuticals based on Ayurvedic theories of nutrition and proof of concept studies.
  - The modern teaching pharmacy attached with quality control laboratory that manufactures over 100 quality medicines for the institutional Ayurveda hospital.
  - Well-equipped analytical laboratory functional for Post graduate research purpose.

- Museum of Minerals and Metals used in Ayurvedic medicines, exhibits many varieties of one drug including rare specimens like ores of precious stones.
- Stimulus to design new products using contemporary dosage forms like gels, incense sticks, shampoos, sanitizers, cosmetics and also nutri-bars like chocolate flavored Shatavari bar.

### ACHIEVEMENTS:

- Dr Madhuri Pawar is an active member of Sharada Shakti, an organization working for women empowerment. She received first prize for her presentation in international conference, 2015. She has been a reviewer of indexed scientific journals and invited as resource person.
- Dr. Swati Gadgil has been a resource person of the academic activity of Vaidya MVK Pratisthan's Charak Gurukul for past four years. She is also member of ethics committee of regional center of CCRAS Pune. She is a reviewer of some indexed journals. She received first prize for her Ph. D. thesis at National level given away by Ayurveda Teacher's association.
- Dr. Trupti Patil Bhole is member of International academy of Ayurveda and also a reviewer of some indexed journals.
- Dr. Sarika Patil received first Prize for paper presentation in the month of December 2022 in international conference on Cancer organized by Ayurveda Cancer research center Wagholi, Pune
- Renowned persons of having national. international figures and many more teachers have visited and praised the department for its teamwork and futuristic approach.
- 
- Three students of the department have received Gold medal of Bharati Vidyapeeth (Deemed to be University)
 

1. Vaidya Nashir Parmar	year 2014
2. Vaidya Aishwarya Koyande	year 2020
3. Vaidya Mrinmayee Hedao	year 2021

### ILLUSTRIOUS ALUMNI OF THE DEPARTMENT

- Dr. Omkar Kulkarni, Head, Formulation Development at Charak Pharma, Pune, Maharashtra
- Dr. Gaurav Gupte, Director Advanced Integrated Medicine Solutions and Research Head, Urban Ayurveda- Manoved
- Dr. Ashutosh Pande, Asst. professor at IAMS, Lucknow, UP
- Dr. Poonam Gupte, Senior Research asstt. At IRSHA, Pune
- Dr. Nasir Parmar Gold Medalist of the department is asstt. Professor at EVA college of Ayurveda, Gujarat
- Dr. Subodha Kele a renowned Ayurvedic Vaidya practicing for rural needy people with his ayurvedic therapies.
- Dr. Ekta Tomar is associate professor at D. Y. Patil College, New Mumbai.
- Dr. Rashmi Kulkarni is practicing as a *Vaidya* in Dubai
- Dr. Prashant Nimbalkar, Successful *rasavaidya* and owner of 5 bed Ayurvedic hospital in Akulj, rural area of western Maharashtra. (Link Video)
- Dr. Aishwarya Koyande , Medical adviser in ENTERO HEALTH care at Mumbai

### EVENTS ORGANISED:

- Yearly organization of 'Ayurvedic Diet Recipe' competition since 2011- till 2022.
- Organization of RoTP [CME] in Rasashastra Bhaishajya kalpana in 2011
- Organization of Pharmacists day every year to owe thanks and appreciation towards pharmacists working in Ayurvedic dispensing unit and manufacturing unit.

### RESEARCH ACTIVITIES:

1. Grant in Aid Research Projects:  
Completed: Major 02, Minor 03  
Ongoing: Minor 02
2. Research Projects for Ph.D.: Completed - 03
3. Research Projects for Ph.D.: Ongoing- 04
4. Research Projects for M.D.: Completed - 47

5. Research Projects for M.D.: Ongoing - 06

6. Books:

Khadatar N. Pawar M., Standardization of Pathadyasava used in Bronchial Asthma', ed., Kylie Wilson Scholars' Press, Sarrbruken, Germany; 2012

7. Publications:

Dr. Madhuri Pawar: 24

Dr. Swati Gadgil: 11

Dr. Trupti Patil: 14

Dr. Sarika Patil: 1

## TESTIMONIALS

Ayurveda Practioner: Dr. Omkar Kulkarni



Ex. Product Development Manager, Charak Pharmaceuticals

We were fortunate to gain the knowledge of life, Ayurveda and ayurvedic pharmaceutics along with pharmacology in the department of Rasashastra and Bhaishajyakalpana, BVDUCOA, by all these three ways. It was a wonderful experience to be a part of the department for more than 4 years. I believe whatever I have achieved so far in my life is majorly the fallouts of the knowledge gained in the department. Everyone, from Dr. Wele, Dr.

Pawar, Dr. More, Vd. Gadgil; to even the lab assistants play a crucial role in molding you from a crude BAMS graduate to a well learned person as a whole.



**Dr. Gaurav Gupte (2007-10)**

MD AYURVED , Director -Dhanwanthari health and wellness solutions pvt ltd

Director - Aadvance Integrated Medicine solutions llp Director - Wardwizard mobility solutions Ltd.

Research head - Urban Ayurved, manoved.

The crucial 3 years of my MD AYURVED were like turning point of my life. We all were exposed to huge field of Rasashastra during the same. Values like Open mindedness and Adaptability adhering to the principles of ayurved were embedded in us which helped me to find myself. Sincere gratitude for all my teachers and support team of RSBKV DEPT.



**Dr. Nashir Parmar (2011-14)**

Professor Eva College of Ayurved  
Zanzmer Road, Supedi Tal. Dhoraji,  
Dist Rajkot 360440(Gujarath

“RSBK dept of Bharati Vidyapeeth University is one of the best places to do Post graduation in Rasashastra and Bhaishajya Kalpana Vigyana. This department is well equipped with instruments and infrastructure, which was helpful to us during our academic years. It comprises with many ultra modern facilities for preparation of medicine and research. Department holds the unique position in Ayurveda teaching institutes due to its practical trainings, research output and teachings which is possible only because of consistent efforts of the faculty of this department..”



**Dr. Poonam Gupte (2012-15)**

Senior Research Assistant at Obesity & Diabetes Research Lab, IRSHA, BharatiVidyapeeth Deemed University  
BAMS, MD [Rasashastra and Bhaishajyakalpana]

“It gives me immense pleasure to talk about my teachers at Rasashastra and Bhaishajyakalpana of BVDUCOA. I owe my entire research approach and mindset to them. They put in all their efforts to inculcate values of work ethics, discipline, and research orientation within us. We had a spacious department which was designed to suit out post graduate curricular activities. There were specific sections; viz quality control lab with well equipped instruments for analysis of physicochemical parameters of raw herbs and processed formulations, Two laboratories for formulation processing and ample provision of raw materials. A separate section for incineration of metals and metalloids was provided. The teaching techniques were very engaging and thought provoking. Power point presentations were a helpful tool as many topics were made simpler and interesting. Field trips were arranged to different pharmacies. Besides, a one month- hands on training in a GMP accredited pharmacy provided us a platform to visualize and experience current practices. Conducting demonstrations of drug processing for undergraduates helped us acquire teaching skills as a futuristic career approach. Freedom of expression was a distinct feature given by our teachers which helped us grow. I am totally indebted to my wonderful teachers and proud to be a part of RSBKV.”



**Ashutosh Pande (2012-15)**

I did PhD from BHU after completing MD from BVDU, Pune. Now a days, I am working as an Assistant Professor at the Institute of Ayush Medical Sciences, Lucknow, Uttar Pradesh. I shall always be indebted to passionate teachers of this department for playing an important role in shaping my career and life. I understood the subject and Ayurveda on the basis of classical as well as contemporary parameters due to my learnings at department of RSBK, BVDU, Pune.





Dr. Ekta Chauhan [Tomar] Associate professor, School of Ayurveda  
D. Y. Patil University, Vashi, New Bombay

I completed my postgraduation in 2016. I'm currently working as associate professor at D.Y. university school of Ayurveda.

I don't know if it is possible to convey in words the sense of gratitude I feel towards my RSBKV Dept. But I want to say from the depth of my heart how interesting and fulfilling a course it was, and how dynamic my department and the teachers made it.

Now as I work as a teacher, I am so pleased and grateful that I had the experience of wonderful teaching and the intriguing course to help me make my own teaching better. Thank you.



Dr. Rashmi Kulkarni

"I reside in Dubai from past 4 and half years. I did my MD from BVDU college of Ayurveda Pune( batch 2014-2017). Currently I work as Ayurvedic Doctor (part time) at Ayurcure Ayurvedic Medical Centre, Khalid Bin Al Waleed Road, Burdubai UAE. I am also attached as Assistant Teacher (part time) to the Ananda Ayurveda Academy Illinois , Willowbrook within Soder world wellness centre, USA for online classes.

I am grateful to all my teachers for inculcating a view towards Ayurveda and modern medicine which collaboratively has helped me a lot."

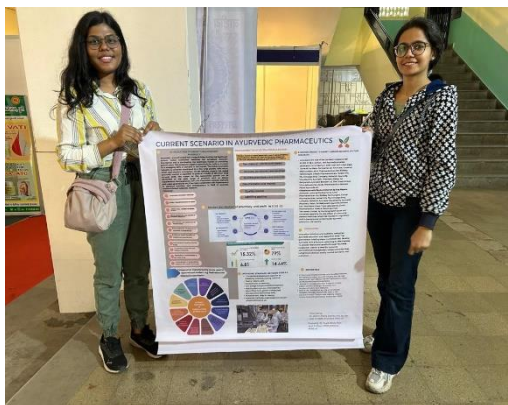
#### PHOTO GALLERY:

##### **AYURVEDIC PHARMACY UNIT, RSBK DEPT, BVDU COA**



Postgraduate Students of department : interactions with Dr. Neelambari Sardeshmukh and senior doctor of Ayurvedic cancer research center , Wagholi, Pune June 2023





Postgraduate students of department and HOD : Poster Presentation at National seminar on Rasa Shastra : Concepts to Practices organized by TAMV, Pune. August 2023



Postgraduate Students of department received prizes in National conference 2021



Kupipakwa rasayan Rasasindoor Nirman , under the able guidance of Vd. Nimkar sir and Chyawan Prash Nirman : PG students activities with staff members August 2022 December 2022

