



RANCHI UNIVERSITY, RANCHI

Faculty Profile

- **Name of the Faculty Member: Dr. Smrity Prabha**
- **Department : University Department of Botany**
- **Designation : Assistant Professor and Course coordinator(PGDMP)**
- **Level of Guidance & Teaching : B.Sc, M.Sc and Ph.D**
- **Qualification:**

Academic Qualifications:

Examination	Board/University	Subject	Year of Passing	Division/ Class	% of Marks
<i>Matric</i>	B.S.E.B., Patna		1996	IInd	57.3
<i>Intermediate</i>	B.I.E.C., Patna		1998	IInd	57.3
<i>Graduation</i>	Ranchi University, Ranchi.	Botany	2001	Ist (Distinction and Ist rank in Univ.)	78.2
<i>Post Graduate</i>	Ranchi University, Ranchi.	Botany	2003	Ist (Distinction and Ist rank in Univ.)	73.7
<i>M.Phill</i>	—	—	—	—	—
<i>Ph.D</i>	Ranchi University, Ranchi.	—	2017	—	—
<i>Others</i>	Qualified State Eligibility Test (SET) for Lecturership (JPSC – JET)	<i>Life Science</i>	2007	Conducted by the Jharkhand Public Service Commission (JPSC).	—

Career Profile

Teaching experience in years	Area of Specialisation	
	Teaching	Research
14 Years	Plant Taxonomy, Ethnobotany and Medicinal Plants.	Mycology, Plant Taxonomy and Plant Pathology

Research Guidance : M.Phil/Ph.D. /D.Sc. /D. Litt (May 2017 to till date):

Name of Research Scholar	Registration No. & Date	Topic of research work	Present Status (No. of Ph.D. awarded /ongoing)
<i>Kumari Priyanka</i>	<i>January 18, 2021</i>	<i>Pharmacognostical Study of Bixa Orellana L. Found in Ranchi District</i>	<i>Ongoing</i>
<i>Pratibha Kumari</i>	<i>January 18, 2021</i>	<i>Phytochemical Analysis of Certain Plant-based Gums and Resins in Ranchi and their Activity Against Few Phytopathogenic Microbes</i>	<i>Ongoing</i>
<i>Umme Ammara</i>	<i>March 04, 2021</i>	<i>Studies on Dicotyledonous Angiospermic Flora of Simdega District in Jharkhand</i>	<i>Ongoing</i>
<i>Kumari Diksha Singh</i>	<i>March 20, 2021</i>	<i>Pharmacognostical Studies of Some Species of Terminalia Found in Ranchi District of Jharkhand</i>	<i>Ongoing</i>
<i>Bibha Jha</i>	<i>August 18, 2021</i>	<i>Studies on Phytochemical and Antimicrobial Screening of Some Natural Dyes Extracted From Different Parts of Plants Found in Ranchi District</i>	<i>Ongoing</i>

Books authored/Edited/Co-Author Chapter in Book (May 2017 to till date)

Name of Books	Subject	Sole or Co-Author	ISBN	Date of Publication	Name of Publishers
<i>Ethnobotany, Cultivation and Utilization of Plants</i>	<i>Pharmacognostical Evaluation of Rhizome of Acorus calamus Linn.</i>	<i>Co-author</i>	<i>978-93-83583</i>	<i>2020</i>	<i>Srijan Samiti</i>

Number of Research papers published in Journals/Periodical (May 2017 to till date)

Sr. No.	Title with page Nos.	ISSN	Name of Journal	Date of Publication
1	Antifungal activity of gum and resin extracts of <i>Boswellia serrate</i> , <i>Commophora mukul</i> , <i>Gardenia resinifera</i> and <i>Shorea robusta</i> against some plant pathogenic fungi. (40-44)	0367973X, 2248-9800	Indian Phytopathology	May 2017
2	Antifungal Activity of Ethanolic and Petroleum Ether Extracts of Some Medicinal Plants against the Plant Pathogenic Fungus <i>Nigrospora Oryzae</i> (Berk. & Broome) Petch (357-362)	2394-3211	European Journal of Pharmaceutical and Medicinal Research	2019
3	Studies on prevalence of Malaria in Santhal and Paharias and their Folklore treatment in Pakur, Jharkhand	2393-9508	The Biobrio	2020
4	Gas Chromatographic and Mass Spectroscopic (GC-MS) Analysis of Rhizome of <i>Acorus Calamus</i> Linn. for Identification of Potent Antimicrobial Bio-active Compounds	2070-0237	Journal of Scientific Research	2021
5	Vermicompost and its Role in Growth of <i>Lycopersicum esculantum</i> Mill. (Tomato Plant)	2393-9508	The Biobrio	2021

No. of seminars/conferences/workshop attended/organized (May 2017 to till date):

Attended

Seminar/Conference	Date of Participation	National/International
National Seminar on “Challenges and Opportunities in Life Sciences”,	April 20, 2018.	National Organized by Centre for Life Science, Central University of Jharkhand, Brambe, Ranchi, Jharkhand
Workshop on “Current Trends in Molecular Biology”,	September 19, 2018	National Organized by University Department of Botany, Ranchi University, Ranchi
National conference on Harmony with nature in context of Biodiversity conservation & ecosystem management (Harmony 2018);	October 28-30, 2018	National Organized by Dept. of Zoology, St. Xavier’s college, Ranchi & National Environmentalists Association, India.
International seminar organized by CAS, Department of Botany, University of Calcutta (in collaboration with Botanical Survey of India)	January 24-25, 2020	International organized by CAS, Department of Botany, University of Calcutta (in collaboration with Botanical Survey of India)
National webinar on Covid-19 and other infectious viruses	May 11, 2020	National (Organised by DNA- Lab- Centre for Applied Sciences, Dehradun)
National webinar on Shenzhen Code (International code of nomenclature for Algae, Fungi and Plants)	May 18, 2020	National (Organised by Dept. of Botany, Government Degree College For Women (A), Begumpet)
International webinar on Nano science and Nanotechnology	June 9-10, 2020	National (Organised by School of Physical Sciences and Special Centre for Nano Science, JNU, New Delhi)
International webinar on “Covid - 19: The Disease, Prevention and Control	July 02, 2020	National (organised by IQAC, Government General Degree College, Singur)
National webinar on Indian Citation Index	July 4, 2020	National (Organised by DNA –Labs & IC)
MOOCS Online Course (4 weeks)	July 6 to August 3, 2020	National (Organised by by Raga Svara in association by R K University on the Title Indian Kitchen herbs for respiratory disorders: Ayurvedic and Modern Prospective)
International webinar on "Quantitative Analysis in	July 21, 2020	National (Organized by the Department of

Chromatography"		Chemistry, and IQAC, TATA College, Chaibasa)
National webinar on Strenthening Nutritional Garden	September 27, 2020	National (Organized by University Department of clinical nutrition and Dietics Vinoba Bhave University, Hazaribagh)
National Conference on Global warming, Climate change & Pollution : Their impact on Biodiversity & Human welfare	November 21 – 23, 2021	National Organized by Department of Botany Dr. Shyama Prasad Mukherjee University, Morabadi, Ranchi, Jharkhand

Organised

Seminar/Conference	Date of Participation	National/International
One-day herbarium workshop (By Dr. Rani Om Prakash, Senior Curator, Flowering Plants Natural History Museum, London, U.K.)	<i>February 20, 2020</i>	<i>International</i>
One-day lecture cum workshop for PGDMP students for identification and the uses of medicinal plants in Ayurveda by Dr. Madhusudan Mishra, Panchkarm Ayurvedic Centre, Muri	<i>October 18, 2019</i>	<i>National</i>
One Day webinar on International day for Biological Diversity based on theme We are part of the Solution	<i>May 22, 2021</i>	<i>Organized By University Department of Botany, Ranchi University, Ranchi</i>
Field trip organized for PGDMP Students – Anushandhan Sah Pradarsh Prasar Kendra Gadkhatanga, Ranchi, Jharkhand.	February 6, 2020.	

No. of FIP/refresher courses/summer trainings attended/organised (May 2017 to till date):

<i>Name</i>	<i>Period</i>	<i>Venue</i>
Orientation/Refresher Course in UGC-sponsored Special Winter School 2017.	December 2 to 22, 2017	UGC-Human Resource Development Centre, Ranchi University, Ranchi (2017).
UGC-sponsored "Refresher course in Life Sciences".	August 08 to 28, 2018	UGC-Human Resource Development Centre, Ranchi University, Ranchi (2018).
UGC-sponsored Short term Course on "E – Content Development".	November 25 to December 1, 2020	Online (Organised by UGC-HRDC, Ranchi)
Refresher Course (Multi- Disciplinary) in 'Environmental Science & Disaster Management	December 4-17, 2020	Online (Organised by UGC-HRDC, Ranchi)
Training on 'Herbarium methodology, collection and identification of plants, preparing artificial keys, basic of plant nomenclature and digitization of herbarium specimens'.	April 5 to 20, 2021	Central National Herbarium, Botanical Survey of India, Howrah, West Bengal
UGC-sponsored "Refresher course in Botany" (Online)	January 11 to 24, 2022	Online (Organized by BBA Bihar University, Muzaffarpur).

Any other academic, administrative and socially relevant contributions/consultancy and awards:

M. Sc. (*Gold Medal, 1st rank in the University*) - Specialized in Plant Taxonomy, Ethno-botany and Medicinal Plants.

B. Sc. (Hons.) (*1st rank in the University and Distinction*) – Specialisation in Botany

Course co-ordinator for the 98th Orientation Programme (from Dec 4, 2019 to December 24, 2019) organised by the UGC-Human Resource Development Centre, Ranchi University, Ranchi.

Participated as a panelist for a television show discussion on "Ethnomedicinal plants" on April 20, 2019 in Doordarshan Kendra, Ranchi Centre.

Participated as a panelist for a television show discussion on "Biodiversity" on January 29, 2020 in Doordarshan Kendra, Ranchi Centre.

Participated as a panelist for a television show discussion on "Medicinal Plants" on October 24, 2020 in Doordarshan Kendra, Ranchi Centre.

Membership:

Life Member of 'Indian Botanical Society' (IBS).

Editor, *The Biobrio*, An International Quarterly Journal of Life Sciences (ISSN. 2393-9508)

Life Fellow, International Consortium of Contemporary Biologists (FICCB)

Life Fellow, Madhawi Shyam Educational Trust (FMSET).