

An Add-on course through blended mode of learning

ETHNOBOTANY AND MEDICINAL PLANTS

An initiative by the Department of Botany,
Dhruba Chand Halder College

An add-on course in “**ethnobotany and medicinal plants**”, with an entrepreneurial focus, equips individuals with the knowledge and skills to build successful businesses in the expanding natural products market. Ethnobotany, the study of how different cultures use plants, combined with the medicinal potential of these plants, offers entrepreneurs the opportunity to create sustainable and innovative products, such as herbal supplements, skincare items, and wellness solutions. Firstly, this course provides a solid foundation in understanding the medicinal properties of plants and their cultural significance. This knowledge enables aspiring entrepreneurs to develop products that resonate with the growing global demand for natural, plant-based remedies. As consumers increasingly prioritize health and sustainability, businesses offering herbal and organic alternatives to synthetic products are thriving. Secondly, the course emphasizes sustainable practices, crucial for ethical business models. Entrepreneurs learn about sustainable harvesting, cultivation, and biodiversity conservation. This not only ensures that their ventures are environmentally responsible but also attracts eco-conscious consumers. Additionally, understanding traditional knowledge systems allows for the ethical sourcing of raw materials, ensuring fair trade and respect for indigenous communities. Moreover, the course offers essential business skills, teaching students about market trends, branding, intellectual property rights, and product development. By combining scientific research with business acumen, entrepreneurs can create innovative, scientifically-backed products. This combination of traditional knowledge and modern business strategies helps entrepreneurs succeed in a competitive market.



**Certificate will
be provided to
each student
after successful
completion of
the course.**

Resource Persons

- **Course Coordinator:**
Dr. Mobina Parveen ,Assistant Professor, Department of Botany ,Dhruba Chand Halder college
- **Dr Aminul Islam, Director,**
ALONA Life Science
- **Dr Tripti Bauri, Assistant Professor, Department of Botany,**
Bankura Sammilani College
- **Prof Sourabh Dubey, Assistant Professor, M. Pharm, Belarani Institute of Medical Science**
- **Dr. Rupa Acharya, Assistant Professor, Department of Botany,**
Dhruba Chand Halder college
- **Prof. Manasi Bhunia Mal, Assistant Professor, Department of Geography, Dhruba Chand Halder college**
- **Dr. Rupanwita Sarkar, Assistant Professor, Department of Zoology, Dhruba Chand Halder college**

Unit	Course content	Allotted number of class*	Resource person
1	Introduction, definition, history and concept about ethnobotany; scope of ethnobotany; methodology of ethnobotany, data collection, documentation, identification of plant species	2	Dr. Mobina Parveen
	Some common ethnic groups and their life style/ culture in Indian context	3	Prof. Manasi Bhunia Mal
	Plants used by these ethnic groups as food purpose, medicinal purpose and others; role of ethnic groups in the conservation of plant genetic resources	2	Dr. Mobina Parveen
	Medico-Ethnobotany of India, significance of the following plants: <i>Azadirachta indica</i> , <i>Ocimum sanctum</i> , <i>Vitex negando</i> , <i>Gloriosa superba</i> , <i>Saraca asoka</i> , <i>Indigofera tinctoria</i>	2	Dr. Mobina Parveen
2	Importance, scope and uses of medicinal plants	2	Dr. Mobina Parveen
	Medicinal plants and natural products; application of plant-derived natural products in health promotion	2	Dr. Aminul Islam
	Traditional knowledge in relation to IPR; bioprospecting and commercial use of traditional knowledge; codes of ethics and research guidelines, equitable research relationship	3	Dr. Rupanwita Sarkar
	Role of medicinal plants in pharmacy	3	Prof. Sourabh Dubey
3	Cultivation of medicinal plants	3	Dr. Mobina Parveen
	Disease Management in medicinal plants	2	Dr. Rupa Acharya
	Value addition in the use of medicinal plants	2	Dr. Tripti Bauri
4	Medicinal plants and Ecotourism	2	Prof. Manasi Bhunia Mal
5	Visit to medicinal plant garden/ field	2	Dr. Mobina Parveen
6	Summative assessment and feed back		

***The duration of each class is one hour. The total duration of the course is 30 hours.**

Class starts from 21st October, 2024 (Monday)