

Course Objectives:

- To understand the diversity and distribution of medicinal and aromatic plants in India and cultivation and management of selected plants.
- To learn about the importance of Traditional Botanical Knowledge (Ethnobotany), Biopiracy, Intellectual Property Rights(IPR) and Bioprospecting of Medicinal and Aromatic Plants.
- To learn the significance and understand the role of medicinal and aromatic plants in different systems of medicine, drug industry and other commercial products.

Course Outcomes:

- CO01: Knowledge on the diversity and distribution of medicinal and aromatic plants
- CO02: Information on Biopiracy, IPR, Bioprospecting of medicinal and aromatic plants
- CO03: Understanding the importance of medicinal and aromatic plants in different systems of medicine and drug industry

Syllabus**Unit – 1**

Introduction to Medicinal plants (history, definition and classification, significance) and Aromatic plants (history, definition and classification, significance). Traditional and complementary medicine – Indian Traditional medicine (Ayurveda, Sidha & Unani), Naturopathy, Homeopathy.

Unit – 2

Characteristics of medicinal and aromatic plants, poisonous plants. Cultivation and management of any five important medicinal plants and aromatic plants of the world and India.

Unit -3

Diversity and distribution of Medicinal and aromatic plants in India. Sustainable utilization of medicinal and aromatic plants, commercial importance of products and process (drugs, cosmetics, perfumes *etc.*). Significance of any five medicinal plants and five aromatic plants occurring in India.

Unit – 4

Importance of Traditional Botanical Knowledge of medicinal plants (Ethnobotany, Ethnomedicines), Biopiracy, Intellectual Property Rights(IPR) and Bioprospecting of Medicinal and Aromatic Plants.

Evaluation Pattern:

Assessment	Internal	External
Mid-Term Examination	30	0
Continuous Assessment	30	0
End Semester Examination	0	40
Total	60	40

*CA - Can be Quizzes, Assignments, Projects, and Reports.

Text Books

- Amritpal Singh Saroya. 2018. *Text book of Medicinal and Aromatic Plants*. Indian Council of Agricultural research(ICAR), New Delhi.
- Deepa devi, N. A . 2017. *Text Book of Medicinal and Aromatic Crops*. Aavishkar Publishers, Distributors, Jaipur.
- Jitendra Singh, 2001. *Medicinal & Aromatic Crops*. Eastern Book Consortium. New Delhi.

References

- Farooqi, A.A & Sriram AH. 2000. *Cultivation Practices for Medicinal and Aromatic Crops*. Orient Longman Publ.
- Hota D. 2007. *Bio Active Medicinal Plants*. Gene Tech Books.
- SSC-MAP. 2007. *International Standard for Sustainable Wild Collection of Medicinal and Aromatic Plants*. Medicinal Plants Specialists Group, Species Survival Commission and IUCN.
- https://books.google.com.sa/books/about/Medicinal_Plants_of_the_World.html?id=UAitDwAAQBAJ&redir_esc=y
- https://www.unido.org/sites/default/files/2009-10/Compendium_of_medicinal_and_aromatic_plants_volume_2_0.pdf
- [https://repository.poltekkes-kaltim.ac.id/id/eprint/1148/1/Handbook%20of%20Medicinal%20Herbs%20\(%20PDFDrive%20\).pdf](https://repository.poltekkes-kaltim.ac.id/id/eprint/1148/1/Handbook%20of%20Medicinal%20Herbs%20(%20PDFDrive%20).pdf)