

Course Objectives:

- To understand the basic concepts of people plant interaction
- To study the methods and approaches of ethnobotany
- To acquire knowledge on Biopiracy, IPR and Bioprospecting

Course Outcomes:

CO1: Knowledge on the significance plants in human life

CO2: Awareness on the concepts and scope of ethnobotany in human welfare

CO3: Skill to conduct ethnobotanical surveys, scientific documentation and validation.

CO3: Awareness on Biopiracy, IPR and Bioprospecting

Syllabus**Unit – 1: Introduction to Ethnobotany**

History and Development of Ethnobotany; Nature and Scope of Ethnobotany; Interdisciplinary and multidisciplinary nature of Ethnobotany; branches and relations with other disciplines; Characteristics of Ethnobotany; Ethnobiology and Ethnobotany; anthropological and linguistic approaches. Indigenous and Traditional Knowledge, Ethnobotany in India and Karnataka State

Unit – 2: People and Plants

Interactions between people and plants; contributions to the study and documentation of indigenous knowledge on plants, their cultural uses and approaches to ecosystem and biodiversity management as well as its role in conservation and community development works; indigenous knowledge systems, practices, and technologies relating to biological elements and processes.

Unit – 3: Methods and modern approaches in Ethnobotany

Ethnobotanical field works and related techniques; scientific methodology; quantitative Ethnobotany and methods, Applied ethnobotany; scientific validation of ethnobotanical knowledge, bio-piracy and role Intellectual Property Rights (IPR).

Unit – 4: Ethnobotany for Human Welfare

Exposition to the modern scientific discipline and its relevance to the pressing issues of the environment, food security, biodiversity and traditional biological/ecological knowledge domains and livelihood systems of indigenous societies.

Evaluation Pattern:

Assessment	Internal	External
Mid-Term Examination	30	0
Continuous Assessment (CA)*	30	0
End Semester Examination	0	40
Total	60	40

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

Further Reading

- Cotton, C. M. 1996. Ethnobotany – Principles and applications. John Wiley and Sons, England.
- Faulks, P. J. 1958. An introduction to Ethnobotany. London: Moredale Publications Ltd.
- Jain, S. K. 1987. A Manual of Ethnobotany. Scientific Publishers, Jodhpur.
- Jain, S. K. 1981. Glimpses of Indian Ethnobotany. Oxford and IBH, New Delhi.
- Jain, S. K. 1989b. Methods and Approaches in Ethnobotany, Society of Ethnobotanists, CRRI, Lucknow, 192 pp.
- Jain, S.K. and Mudgal V. 1999. A hand book of Ethnobotany. Bishen Singh Mahendra Pal Singh, Dehra Dun p. 309.
- Martin, G. J. 1995. Ethnobotany: A conservation Manual. Chapman and Hall, London.
- Schultes, R. E. and Von Reis S. 1995. Ethnobotany: evolution of a discipline. Chapman and Hall. London.

References

- Schultes, R. E. 1963a. Hallucinogenic plants of the New world. Harvard rev. 1: 18-32.
- Schultes, R. E. 1960. Tapping our heritage of Ethnobotanical lore. Econ. Bot. 14: 257-262.
- Schultes, R. E. 1962. The role of the ethnobotanist in the search for new medicinal plants. Lloydia, 25: 257-266.
- Ford R, I. 1978a. The nature and status of Ethnobotany. Museum of Anthropology, University of Michigan, No. 67, Ann. Arbor.
- Harshberger, J. W. 1896. Purposes of Ethnobotany. Bot. Gaz. 21: 146-154.
- Hoft, M., Barik, S. K. and Lykke A.M. 1999. Quantitative Ethnobotany: Application of multivariate and statistical analysis in Ethnobotany. People plant working paper 6. UNESCO, Paris.