

Paper 1b ETHNOBOTANY

M. Sc. va (Candidates admitted from the academic year 2021-2022)

Course Code 212BO1E01

Total Hours 60

Credits 5

CORE ELECTIVE

Learning Objective	To educate students with basic concepts and terms, life of major tribes in Tamil Nadu, methods of ethno-botanical data collection and interpretation, role of plants in cultural and socio-religious activities, and protection systems for traditional knowledge.
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CO No.	Course Outcome	PSO Addressed	CL
	Upon the completion of this course, students will be able to		
CO - 1	Explain the concepts, inter-disciplines, ethics, sociological and anthropological terms of Ethnobotany.	PSO-2	U
CO - 2	Discuss on the distribution of tribes in India especially on major tribes of Tamil Nadu.	PSO-2	U
CO - 3	Choose appropriate primary and secondary ethno-botanical data and methods to study a particular tribe.	PSO-2	Ap
CO - 4	Debate the role of plants in cultural and socio-religious activities and list various NTFPs that sustain the livelihood of forest dwellers of India.	PSO-2	E
CO - 5	Appreciate the significance of traditional knowledge and perceive the know-how of protection of the same.	PSO-2	An

UNIT I HOURS 10

Ethnobotany: Concepts, Changes and Definitions. Interdisciplinary approaches. Knowledge of following Sociological and Anthropological terms: culture, values and norms, Institutions, Culture diffusion and Ethnocentrism. History of Ethnobotany: A Brief History of Ethnobotanical Studies in the world and in India. Introduction to Traditional Knowledge Digital Library (TKDL) and People's Biodiversity Register (PBR).

UNIT II HOURS 15

Distribution of Tribes in India. Basic knowledge of following Tribes of Tamil Nadu: Irulas, Kanis, Paliyars and Malayalis.

UNIT III HOURS 15

Sources of Ethnobotanical Data: Primary - Archeological sources and Inventories, Secondary - Travelogues, Folklore and Literary sources, Herbaria, Medicinal texts and Official records. Methods in Ethnobotanical Research. Prior Informed Consent, PRA Techniques, Interviews and Questionnaire methods, Choice of Resource persons.

UNIT IV HOURS 10

Ethnobotanical Knowledge and Communities: Folk Taxonomy. Non Timber Forest Produce (NTFP) and Livelihood Sustainable Harvest and Value addition.

UNIT V**HOURS 10**

Bioprospecting and commercial use of Traditional Knowledge. Developing Research Partnerships: Codes of Ethics and Research Guidelines, Equitable Research Relationships. Traditional Knowledge (TK) in relation to Intellectual Property Rights. Benefit sharing models of the world and Economic, Social and Political issues in Benefit Sharing.

TEXT BOOKS

COTTON, C. M. 1997. Ethnobotany - Principles and Applications. John Wiley and Sons Limited. New York, USA

JAIN, S.K. 1989. Methods and Approaches in Ethnobotany. Society of Ethnobotanists. Lucknow.

JAIN, S.K. 1991. Dictionary of Indian folk medicine and Ethnobotany. Deep Publishers. New Delhi.

JAIN, S.K. AND V. MUDGAL. 1999. A Handbook of Ethnobotany. Bishen Singh Mahendra Pal Singh, DehraDun.

MARTIN, G. 1994. Ethnobiology. Chapman & Hall. London.

SUGGESTED READING

CUNNINGHAM, A.B. 1993. Ethics, Ethnobiological Research, and Biodiversity. WWF. International Publication. Switzerland.

DAVID, N AND C. KRAMER. 2001. Ethnoarchaeology in Action. Cambridge University Press, New York.

UNDP. 1994. Conserving Indigenous Knowledge. Integrating Two Systems of Innovation. Rural Advancement Foundation. Commissioned by UNDP.

RAMAKRISHNAN, P.S., R. BOOJH, K. G. SAXENA et al. 2005. One Sun Two World an Ecological Journey. Oxford & IBH. New Delhi, India.

WONG. J.L.G., K. THORNER AND N. BAKER. 2001. Non-wood forest products. Resource assessment of non-wood forest products. Experience and biometric principles. Food and Agriculture Organization, (FAO), Rome

REFERENCES

APTE, T. 2006. Intellectual Property Rights, Biodiversity and Traditional Knowledge. Kalpavriksh, Grain & IIED, Pune / New Delhi.

DUTHFIELD, G. 2004. Intellectual Property, Biogenetic Resources and Traditional Knowledge. Earthscan, London, UK.

JAIN, S.K. 1991. Contributions to Indian Ethnobotany. Scientific Publishers. Jodhpur.

KATE, K. T., S. A. LAIRD. 2000. Commercial Use of Biodiversity. Earthscan, London, UK

LAIRD, S.A. 2002. Biodiversity and Traditional Knowledge Equitable partnerships in Practice. Earthscan Publications Ltd., London.

SCHULTES, R.E., AND S.V. REIS. 1995. Ethnobotany. Evolution of a discipline. Chapman & Hall. London.