



DEPARTMENT OF BOTANY
MORIGAON COLLEGE
MORIGAON, ASSAM
PIN- 782105

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Ref.No. DB/MC/2023/22

Date- 25/08/2023

- Mrs. Ami Devi, M. Sc
Associate Professor
(HOD)
Ph. No- 9101376217
- Mr. Trideep Chetia, M.
Sc., M. Phil.
Assistant Professor
Ph. No- 8822517068
- Dr. Jayanta Borkakoti, M.
Sc, PhD, Post-doc. (IIT
Delhi, UCSF, USA)
Assistant Professor
Ph. No- 9555684998
- Mr. Ankur Jyoti Borah,
M.Sc. PGDCA
Assistant Professor
Ph. No- 7896947439
- Mr. Kashyap Das
M.Sc.
Assistant Professor
Ph. No- 6000808446

NOTICE

A Committee is hereby constituted for development of Add on Certificate course- 'Tea Cultivation and Management' to be introduced in the Department of Botany, Morigaon College, comprising with the under mentioned faculty members of Department of Botany, Morigaon College & Assam Downtown University, Guwahati.

Name of Members	Designation
Dr. Prasenjit Bhagawati,	Assistant Professor, Department of Botany, Downtown University.
Dr. Jayanta Borkakoti	Assistant Professor, Department of Botany, Morigaon College.
Mr. Kashyap Das	Assistant Professor, Department of Botany, Morigaon College.

Ami Devi
25/08/2023

HOD
Department of Botany



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ADD ON CERTIFICATE COURSE

COURSE TITLE: TEA CULTIVATION AND MANAGEMENT

COURSE CODE: ADC-BOT-06

COURSE DURATION: 30 HOURS

COURSE OUTCOME

- Know the history of tea cultivation in India and its role in economy growth
- Learn the techniques of propagation of tea and management of tea gardens
- Learn the production and processing techniques in tea cultivation
- Knowledge of different common tea types and their health benefits

THEORY (30 MARKS)

Unit 1: Introduction: History of tea cultivation in India; Tea taxonomy and morphology; Tea growing areas in India with special reference to North East India; Tea production and economy.

Unit 2: Soil and Climatic Requirements: Physical, chemical and biological properties of soil; Land features- slope and altitude; Climatic requirements- rainfall, temperature, relative humidity, day length and wind velocity.

Unit 3: Tea cultivation: Choice of the planting material- clonal seed and cuttings, pruning- methods and objectives, plucking- methods and objectives.

Unit 4: Weed and pest management: Common tea diseases and causal organisms, mechanical, chemical and biological methods of weed and pest management; Integrated pest management.

Unit 5: Production and processing: Withering, rolling and fermentation, drying, sorting and grading, blending, flavouring and packaging of tea; Types of tea- Black tea, Green tea, Oolong tea, Organic tea, Herbal tea; Health benefits of tea.

PRACTICAL (20 MARKS):

- Field visit to nearby tea garden and processing unit.

Obi Aleeu
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Suggested Readings

- Banerjee, B. (1993). Tea Production and Processing, Oxford & IBH Pub. Co, 1st Edition.
- Jain, N. K. (1999). Global Advances in Tea Science, Aravali Books International, 1st Edition.
- Das, A. P. and Kabir, S. E. (2022). Tea Cultivation in the Plains of North East India, Regency Publications.
- Jain, N. K. (2002). Global Advance in Tea Science, Aravali Books International.
- Donaldson, B. (2014). The Everything Healthy Tea Book: Discover the Healing Benefits of Tea, Adams Media.

Syllabus Committee:

1. Dr. Prasenjit Bhagawati, Assistant Professor, Department of Botany, Downtown University.
2. Dr. Jayanta Borkakoti, Assistant Professor, Department of Botany, Morigaon College.
3. Mr. Kashyap Das, Assistant Professor, Department of Botany, Morigaon College.

Ami Deb

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