

**UENF**

Universidade Estadual do Norte Fluminense Darcy Ribeiro

Secretaria
Acadêmica

PROGRAMA ANALÍTICO DE DISCIPLINA

Disciplina: PBV0015 - Interactive Communications In Plant Biotechnology

CBB/LBCT - Laboratório de Biologia Celular e Tecidual

Início: 2026/1

Pré-requisito(s): não tem

Co-requisito(s): não tem

Equivalência(s): PBV2803 - Interactive Communications In Plant Biotechnology

Carga horária: 30 (30 teóricas, 0 práticas, 0 extraclasse)

Créditos: 2

Tipo de aprovação: Média/Frequência

EMENTA

This subject aims to contextualize advanced knowledge in biotechnology, through the presentation and discussion of recent advances published in topics related to integrative biology, characterization of plant biodiversity and bioprospecting of bioactive compounds, as well as in biotechnology applied to agriculture and the environment. This subject is based on the discussion of modern research in Plant biotechnology available through scientific articles published in high impact Scientific journals. The classes of this subject will be carried out entirely in English and conversations

CONTEÚDO PROGRAMÁTICO

Presentation of the discipline and distribution of the Articles to be discussed - 2h

Discussion of selected articles based on international journals in Plant Biotechnology, considering: - area of concentration in Integrative Biology - 4 h

- area of concentration in Characterization of Plant Biodiversity and Bioprospecting of Bioactive Compounds - 4 h

- area of concentration in Biotechnology Applied to Agriculture and Environment - 4 h

Evaluation of discipline 1h

BIBLIOGRAFIA

Scientific articles published in the journals: - Science

- Nature

- The Plant Cell - Plant, Cell & Environment - Journal of Experimental Botany

- Plant Physiology

- Planta

- Frontiers in Plant Science

- BMC Plant Biology

- Physiologia Plantarum

- The Plant Journal - Scientific Reports

- Plant Biotechnology Journal - Trends in Plant Science

- International Journal of Molecular Sciences