

UE5 : Seed conservation & management of plant biological resources

 Niveau
d'étude
BAC +5 /
master

 ECTS
3 crédits

 Composante
Faculté des
sciences

En bref

- › Langue(s) d'enseignement: Français
- › Ouvert aux étudiants en échange: Oui

Présentation

Description

- Challenges related to seed conservation
- Physiology of seed storage
- Predicting seed viability during storage
- Methods for improving seed germination and vigor after conservation
- Management of a seed conservation chamber
- Seed lot management
- Conservation of cuttings
- Optimization of collections management
- Challenges of maintaining biological resources of cultivated species
- Optimization of ex-situ conservation applied to biological resources
- Assessment of genetic diversity for the management of collections including the specificities of the wild compartment
- Utilization and promotion of collections and biological resources

Heures d'enseignement

CM	Cours magistral	27h
TD	Travaux dirigés	4h
TP	Travaux pratique	4h
TPERSO	Travail personnel	20h

Pré-requis obligatoires

- Knowledge of genetics and genetic diversity
- Knowledge of plant breeding
- Knowledge of seed and plant biology
- Be able to:
- Carry out genetic diversity analyses and master the corresponding tools
- Interpret genetic diversity results

Compétences visées

- To master the biological, regulatory and organizational knowledge for the management of seed conservation
- To be able to manage a collection of biological resources with various types of propagation material
- To be able to interact with users and stakeholders of conserved seeds and biological resources
- To be able to report and discuss experimental results in scientific ways and critically analyze the literature on the topic.

Infos pratiques

Lieu(x)

› Angers

Campus

› Campus Belle-beille