

A detailed botanical illustration background featuring various plant specimens. On the left, there is a branch with small red flowers and a larger yellow flower. In the center, there are several green leaves and a long, thin stem. On the right, there is a branch with small yellow flowers and a larger yellow flower. The background is a light, textured paper.

IPS-161 Biological Collections

Group 2 - Practicals

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Fungi practical

- Fruiting body
- Field data
- Photography
- Spore print



Data from the field

- General
 - Time and date
 - Location
 - Habitat type
 - Collector, collection number
 - Preliminary identification
- Special for fungi
 - Growing substrate (tree, earth, leaf litter)
 - Tree – alive/dead? Growing on the bark or has it peeled off?
 - Surrounding tree and fungi species
- Describe the specimen



Photo & Print

- Photography
 - In location: multiple angles
- Spore print
 - Remove stipe (or make a hole to the paper if 1-2 specimen)
 - Put pileus on white paper
 - Cover it
 - Wait overnight
 - Make notes of the color
 - Fold and store with specimen



Collecting and preparing fungi specimen

Collection

- Minimum 3 individuals from different developmental states
- Dig deep for the whole body
- Remove excess substrate
- Hurry to prepare the specimen

Preparation

- Drying in 40-65°C (for DNA extraction < 55°C)
- Re-moisturizing so the specimen can be slightly pressed for storage
- Re-drying
- Freezer
- Plastic bag
- Labeling and adding to the collection

