

Collection of Plant Remains from Archaeological Contexts

- Plant remains may be found preserved in various types of deposits of human origin .
- Archaeobotany (or paleoethnobotany)

Plant Remains

- Woods
- Roots
- Seeds and Fruits
- Flower remains
- Leaves
- Fibers
- Mosses
- Pollen and spores
- Microcharcoal

Preservation Modes

- Waterlogged plant remains
- Dried plant remains
- Charred remains
- Flower remains
- Mineralized plant remains
- fine-grained material

archaeobotanical deposits

- Artificial wet environments
- Garbage dumps
- Sewers and cesspits
- Food storage rooms
- Floors
- Furnaces, ovens, and fireplaces
- Tombs, burials, and votive wells
- Ships, boats
- Kitchen tools

Methods

- *Preliminary Survey*
- *Collecting Large Macrofossils*
- *Collecting Small Macrofossils*
- *Collecting Microfossils*

Archaeological Wood Preparation

- *Sectioning*
- *Fracturing*

Archaeopalynological Preparation Techniques

- *Sieving*
- *Deflocculation*
- *Gravity Separation*
- *Acetolysis*

Phytoliths: Preparation and Archaeological Extraction

- *Phytolith Extraction from Sediments*
- *Phytolith Extraction from Lithic Artifacts*
- *Phytolith Extraction from Carbonized Residues*

Phytoliths: Preparation and Archaeological Extraction

- *Extraction from Plant Material*
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- *Phytolith Extraction from Carbonized Residues*

Starch Granules: Preparation and Archaeological Extraction

- Starch granules (also referred to as grains) are produced as stored food in most plants and are basically found in roots, underground storage organs, and in seed endosperm and cotyledons
- ***Extraction from Plant Material***
- ***Extraction from Sediments***
- ***Phytolith Extraction from Lithic Artifacts***
- ***Phytolith Extraction from Carbonized Residues***

Phytoliths: Preparation and Archaeological Extraction

- *Phytolith Extraction from Sediments*
- *Phytolith Extraction from Lithic Artifacts*
- *Phytolith Extraction from Carbonized Residues*

Plant Collection, Identification, and Herbarium Procedures

Ethics of Plant Collection

- Permissions : National -International
- Laws: National-International
- Government agencies
- National Parks
- Specially Protected Areas
- Natural Protection Areas

Collection of Plant Specimens

Vascular Plant Specimen Preparation

Collecting Specimens

Specimen Pressing

Specimen Drying

Drying of Difficult Plant Specimens

Spirit Collections