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# Botany Slides

## Product Image



## Description

**Note: All slides and specimen are subject to availability of respective organism.**  
**Note: Slides or specimen of any organism prohibited under Indian rules, law or regulation would not be supplied.**

**Algae Cyanophyceae**

Aulosira  
Anabaena WM  
Aphanotheca WM  
Chroococcus WM  
Gleotrichia WM  
Gleocapsa WM  
Gleothecea WM  
Lyngbya WM  
Phormidium  
Microcystis WM  
Nostoc WM  
Nostoc in root section  
Nostochopsis  
Oscillatoria WM  
Rivularia WM  
Stigonema WM  
Scytonema WM  
Spirulina WM  
Schizothrix  
Tolypothrix WM

### **Chlorophyceae**

Acetabularia WM  
Botrydium WM  
Bryopsis WM  
Bulbochaete WM  
Chlamydomonas WM  
Chlamydomonas palmella WM  
Caulerpa frond WM  
Chaetophora WM  
Chaetomorpha WM  
Chlorococcus WM  
Chara vegetative WM  
Chara reproductive  
Chara sexual V.S.  
Chlorella WM  
Cladophora WM  
Cladophora reproductive WM  
Closterium WM  
Codium  
Cosmarium WM  
Coleochaete WM

Coleochaete discoid WM  
Coleochaete antheridia  
Coleochaete oogonium  
Desmids mixed WM  
Diatoms pinnate  
Diatom centric  
Drapanaldiopsis WM  
Enteromorpha WM  
Fristichella WM  
Hydrodictyon WM  
Halimeda WM  
Eudorina WM  
Mougeotia WM  
Nitella WM  
Oedogonium vegetative  
Oedogonium capcells WM  
Oedogonium macrandrous WM  
Oedogonium nannandrous WM  
Oedogonium oogonial WM  
Pandorina WM  
Pithophora WM  
Rhizoclanium  
Spirogyra vegetative WM  
Spirogyra scalariform conj. WM  
Spirogyra lateral conj. WM  
Stigoclonium WM  
Ulothrix vegetative WM  
Ulothrix reproductive WM  
Ulva thallus WM  
Vaucheria vegetative WM  
Vaucheria reproductive WM  
Volvox daughter colony WM  
Volvox oogonial colony WM  
Volvox antheridial colony WM  
Volvox zygote colony WM  
Volvox mixed stage colony WM  
Zygnema vegetative WM  
Zygnema conjugation WM  
Zygnemopsis

## **Phaeophyceae (Brown Algae)**

Corallina WM

Dictyota apical dichotomy  
Dictyota oogonial thallus VS  
Dictyota antheridial thallus VS  
Dictyota tetrasporic thallus  
Ectocarpus unilocular WM  
Ectocarpus plurilocular WM  
Fucus thallus TS  
Fucus male conceptacle VS  
Fucus female conceptacle VS  
Padina thallus WM  
Sargassum thallus (leaf) TS  
Sargassum male conceptacle TS  
Sargassum female conceptacle TS  
Sargassum bladder TS  
Laminaria Thallus TS  
Laminaria Receptacle VS

### **Rhodophyceae (Red Algae)**

Amphiora WM  
Batrachospermum Veg. WM  
Batrachospermum fruiting WM  
Compsopogon WM  
Gracillaria thallus TS  
Gracillaria WM with cystocarp  
Gracillaria cystocarp TS  
Porphyra WM  
Polysiphonia antheridial WM  
Polysiphonia cystocarp WM  
Polysiphonia tetrasporic WM  
Polysiphonia vegetative WM  
Pediastrum WM

### **Virology and Bacteriology**

Bacteria typical  
Coccus form  
Bacillus form  
Spirill form  
Gram positive bacteria  
Gram negative bacteria  
Gram lacto spirillum  
Root nodule of legume TS  
Micrococcus WM

Cocosococcus WM  
Streptococcus  
Vibrocomma  
Staphylococcus aureus  
Staphylococcus viridance  
Bacillus anthracis  
Bacillus subtilis  
Clostridium tetni  
Corynebacterium diphtheri  
Escherichia coli  
Haemophilus  
Mycobacterium leprae  
Neisseria gonococcus  
Mycobacterium tuberculous  
Pasteurella (Plague)  
Salmonella typhi  
Salmonella shiga  
Shigella dysenterae  
Spirochaetes (Syphlis)  
Vibrio cholera (Cholera)  
Pneumococcus (Pneumonia)  
Small pox virus  
Polio virus

### **Phyco mycetes**

Allomyces  
Bremia WM  
Cystopus conidia VS  
Cystopus sex organsVS  
Cystopus zygote VS  
Mucor veg. WM  
Mucor sporangia WM  
Mucor (Zygote) WM  
Phytophthora host leaf TS  
Perenospora WM  
Pilobolus WM  
Pythium WM  
Rhizopus veg. WM  
Rhizopus sporangia WM  
Rhizopus sexual WM  
Saprolegnia vegetative WM  
Saprolegnia sexual WM

Stemonites WM  
Synchytrium host leaf TS  
Synchytrium Prosorius

### **Ascomycetes**

Aspergillus (Euratium) conidia  
Ascobolus VS  
Cyathus  
Erysiphae WM  
Lycoperdon VS  
Morchella TS  
Neurospora TS  
Penicillium veg  
Penicillium Conidial  
Phyllactinia WM/TS  
Protomyces on host TS  
Peziza apothecia VS  
Taphrina VS  
Uncinula WM  
Xylaria stroma CS/LS  
Yeast budding  
Yeast cell

### **Basidiomycetes**

Agaricus stipe TS  
Agaricus pileus VS  
Agaricus stipe & Pileus VS  
Agaricus button stage VS  
Polyporus TS/LS  
Puccinia uredo on wheat leaf TS  
Puccinia teleuto on wheat stem TS  
Puccinia aecidia on barbery leaf  
Puccinia pycnia VS  
Ustilago spores WM  
Ustilago with host  
Uromyces VS  
Ravenilia VS  
Melampsora TS

### **Deuteromycetes**

Alternaria  
Cercospora

Fusarium  
Aspergillus  
Curvularia  
Helminthosporium  
Colletotrichum

### **Lichens**

Lichen thallus TS  
Lichen thallus WM  
Lichen soredia WM  
Lichen apothecium VS

### **Bryophyta**

Anthoceros thallus LS/TS  
Anthoceros sporophyte WM  
Anthoceros sorophyte TS/LS  
Anthoceros archegonia WM/TS  
Anthoceros antheridia WM/TS  
Cyathodium thallus TS  
Conocephalum anthd./archeg. TS  
Conocephalum thallus TS  
Cryptomitrium thallus TS  
Dumortiera thallus TS  
Funaria antheridia VS/WM  
Funaria archegonia VS/WM  
Funaria capsule LS/TS  
Lunularia gemma cup VS  
Marchantia thallus TS  
Marchantia gemmae cup VS  
Marchantia gemmae WM  
Marchantia antheridial head VS  
Marchantia archegonial head VS  
Marchantia sporophyte VS  
Moss protonema WM  
Moss leaf WM/TS  
Moss stem TS  
Moss archegonial head VS/WM  
Moss antheridial WM/VS  
Moss capsule LS/TS  
Moss peristome  
Moss plant with capsule WM  
Notothyllus sporophyte WM

Notothyllus sporophyte LS  
Plagiochasma thallus  
Plagiochasma receptacle  
Porella veg. WM  
Porella antheridial  
Porella archegonial  
Porella sporophyte  
Polytrichium archegonial VS/WM  
Polytrichium Antheridial VS/WM  
Polytrichium capsule VS/TS  
Riccia thallus TS/WM  
Riccia antheridial VS  
Riccia archegonial VS  
Riccia mature sporophyte VS  
Riccia zygote TS  
Sphagnum WM  
Sphagnum sporophyte  
Sphagnum antheridial  
Sphagnum archegonial  
Targonia thallus TS

### **Pteridophytes**

Azolla sporocarp VS  
Adiantum rhizome TS  
Adiantum root TS  
Adiantum petiole TS  
Adiantum sorus VS  
Botrychium rhizome TS  
Botrychium root TS  
Botrychium stipe TS  
Equisetum prothallus VS  
Equisetum root TS  
Equisetum rhizome TS  
Equisetum stem TS  
Equisetum cone TS/LS  
A. Equisetum sports W.M  
Fern rhizome TS  
Fern prothallus young  
Fern prothallus with antheridia  
Fern prothallus with archegonia  
Fern prothallus with sporophyte  
Fern leaf with sori TS

Fern sori WM  
Fern prothallus TS  
Fern Rachis  
Fern root TS  
Fern leaf with true indusium  
Fern leaf with false indusium  
Fern Ramenta WM  
Gleichenia rhizome  
Gleichenia rachis  
Gleichenia sporangia WM  
Isoetes stem TS  
Isoetes stem tuber TS  
Isoetes microsporophyll TS  
Isoetes megasporophyll TS  
Isoetes leaf TS  
Isoetes root TS  
Lycopodium stem TS  
Lycopodium apex LS  
Lycopodium cernuum stem TS  
Lycopodium clavatum stem TS  
Lycopodium phlegmaria stem TS  
Marsilea leaf TS  
Marsilea root TS  
Marsilea rhizome TS  
Marsilea petiole TS  
Marsilea sporocarp TS/LS  
Marsilea sorus WM  
Ophioglossum rhizome TS/LS  
Ophioglossum root TS  
Ophioglossum spike TS  
Osmunda rhizome TS  
Psilotum stem TS  
Psilotum rhizome TS  
Psilotum synangia VS/LS  
Psilotum synangia TS  
Selaginella root TS  
Selaginella rhizophore TS  
Selaginella leaf WM/TS  
Selaginella stem TS  
Selaginella strobillus WM/LS  
Selaginella microsporangia  
Selaginella mega and microsporangia WM

## **Gymnosperm**

Cycas normal root TS  
Cycas coralloid root TS  
Cycas Leaflet (Pinna) TS  
Cycas rachis TS  
Cycas microsporphyll TS  
Cycas megasporophyll TS  
Cycas ovule LS  
Pinus root (young) TS  
Pinus root (old) TS  
Pinus young stem TS/LS  
Pinus stem RLS/TLS  
Pinus dwarf shoot TS  
Pinus male cone TS/LS  
Pinus wood TS  
Pinus pollen grain WM  
Pinus female cone TS/LS  
Pinus ovule VS  
Pinus needle TS  
Pinus 3-needle TS  
Ephedra male cone TS  
Ephedra female cone TS  
Ephedra ovule TS  
Ephedra stem TLS/RLS  
Ephedra stem TS  
Ephedra root TS  
Agathis stem TS  
Cupressus stem TS  
Cupressus male/female cone LS  
Abies stem TS  
Juniperus stem TS  
Juniperus male/female cone LS  
Ginkgo stem TS  
Ginkgo petiole TS  
Ginkgo male cone TS  
Ginkgo female cone TS  
Ginkgo leaf TS  
Taxus stem TS  
Taxus wood TS  
Taxus leaf TS  
Taxus male cone TS  
Taxus female cone VS

Thuja stem TS  
Thuja male cone VS  
Thuja female cone VS  
Cedrus stem TS  
Cedrus leaf TS  
Cedrus male cone TS  
Cedrus female cone TS  
Cedrus ovule LS  
Gnetum stem TLS/RLS  
Gnetum stem TS  
Gnetum petiole TS  
Gnetum root TS  
Gnetum leaf TS  
Gnetum male cone TS/LS  
Gnetum female cone TS/LS  
Gnetum ovule VS  
Aurocaria leaf TS  
Aurocaria stem TS  
Aurocaria male cone TS  
Aurocaria female cone TS  
Zamia ovule VS  
Zamia petiole TS  
Zamia leaf TS  
Podocarpus Stem TS

### **Angiosperm Cell & Its Contents**

Typical plant cell (onion)  
Cucurbita epidermal hairs WM  
Tradescantia epidermal Hairs  
Allium root apex mitosis  
Starch grains eccentric  
Starch grains concentric  
Potato tuber VS  
Bean cotyledon TS  
Compound starch grains  
Semi compound grains  
Schizogenous cavity  
Lysigenous cavity  
Aleurone layers, grain TS  
Protein bodies  
Raphides, WM  
Sphaeroraphides

Cystolith  
Tanin cell  
Inulin (dahalia root TS)  
Sclereids in section  
Water storage cells silica deposits  
A. Calcium oxalate crystals

### **Tissue Slides**

Trichoblasts in section  
Apical stem meristem LS  
Aerenchyma TS or WM  
Collenchyma TS or WM  
Sclerenchyma TS or WM  
Sclerenchyma fibersmacerated  
Chlorenchyma  
Stone cells TS  
Glandular tissue nectary VS  
Latex cells TS  
Mucilage duct section  
Oil cavities, citrus fruit VS  
Xylem elements proto & meta TS  
Xylem, spiral and annular vessels  
Xylem elements pitted vessels  
Xylem elements bordered vessels  
Phloem elements  
Sieve tubes  
Unicellular hairs WM  
Multicellular hairs WM  
Stellate hairs WM  
Glandular hairs WM  
Stinging hairs WM  
Wheat grain TS  
Maize grain TS  
Paddy grains TS  
Lenticels  
Resin canal  
Stomata  
Protostele in section  
Actinostele in section  
Plecostele in section  
Siphonostele in section  
Solenostele in section

Dicotystele in section  
Actostele in section  
Polystele in section  
(A) Tracheids

### **Dicotyledon Stem**

Achyranthus stem TS  
Amaranthus stem TS  
Aristolochia young stem TS  
Aristolochia old stem TS  
Avecenia stem TS  
Begonia stem TS  
Boerhavia stem TS  
Nelumbium stem TS  
Bougainvillia stem TS  
Brassica (mustard) stem TS  
Cactus cladode TS  
Calotropis stem TS  
Casurina stem TS  
Chenopodium stem TS  
Clematis stem TS  
Cosmos stem TS  
Capparis stem T.S.  
Cucurbita young stem TS  
Cucurbita old stem TS  
Cucurbita stem LS  
Cuscuta with host TS  
Ficus stem TS  
Helianthus young stem TS/LS  
Helianthus old stem TS/LS  
Ipomea stem TS  
Jussiaea stem TS  
Leptadenia stem TS  
Euphorbia stem TS  
Bignonia stem TS  
Leucas stem TS  
Mirabilis stem TS  
Moringa stem TS  
Muhlenbeckia cladode TS  
Nyctanthus stem TS  
Nymphaea stem TS  
Pepromia stem TS

Piper stem TS  
Portulaca stem TS  
Ricinus (castor) stem TS  
Ranuncullus stem TS  
Salvadora stem TS  
Tinospora stem TS  
Trapa stem TS  
Tillia stem TS  
Vinca rosea stem TS  
Vitis stem TS  
Xanthium stem TS

### **Dicotyledon Root**

Avicenia pneumatophore TS  
Boerhevia roots TS  
Beet root TS  
Brassica root TS  
Cucurbita root TS  
Cuscuta haustoria VS  
Dicot root primary TS  
Dicot TS commencent of sec. growth  
Dicot root old TS  
Dicot root TS origin or lateral roots  
Ficus aerial roots TS  
Helianthus root TS/LS  
Legume root with nodules TS  
Nymphaea root TS  
Pananus aerial root TS  
Ranunculus root TS  
Tinospora aerial root TS  
c Monocytyledon Stem  
Asparagus TS  
Dracaena stem TS  
Grass stem TS  
Hydrilla stem TS  
Maize mature stem TS  
Maize stem LS  
Ruscus stem TS  
Smilex stem TS  
Triticum (wheat) stem TS

### **Monocotyledon Root**

Maize root TS  
Maize root LS  
Maize root TS & LS on same slide  
Orchid root showing velamen TS  
Root with root hairs WM  
Root with root cap LS  
Asparagus root TS

### **Dicotyledon Leaves**

Bryophyllum leaf TS  
Drosera leaf WM  
Dicot leaf typical TS  
Dionaea leaf TS to show glands  
Ficus leaf TS  
Helianthus leaf TS  
Cucurbita leaf TS  
Nyphaea leaf TS  
Leaf skeleton WM  
Mesophytic leaf TS  
Xerophytic leaf TS  
Hydrophytic leaf TS  
Nerium leaf TS (Sunken stomata)  
Nepenthes pitcher TS  
Peperomia leaf TS  
Stem apex LS origin of leaves  
Utricularia WM

### **Monocotyledon leaves**

Allium leaf TS  
Dracaena leaf TS  
Hydrilla leaf TS  
Orchid leaf TS  
Maize leaf TS  
Eichornia leaf TS  
Monocot typical leaf TS  
Trapa leaf TS  
Triticum (wheat) leaf TS  
Vallisneria leaf TS  
Rhizophora leaf TS

### **Comparative Study Slides**

Dicot and Monocot stem on the same slide

Herbaceous and Woody stem TS on same slide  
Primary and Secondary stem TS on same slide  
Monocot and Dicot root TS on same slide  
Dicot and Monocot leaf on the same slide  
Dicot stem TS and LS on the same slide  
Monocot stem TS and LS on the same slide  
Primary and Secondary root on same slide

### **Vascular Bundles Type**

Radial  
Conjoint Collateral open  
Conjoint Collateral closed  
Conjoint bicollateral  
Concentric Amphivasal  
Concentric Aphhicribral

### **Floral Morphology**

Anona flower bud LS/TS  
Anther WM/TS  
Citrus flower bud LS/TS  
Epigynous flower LS  
Hypogynous flower LS  
Perigynous flower LS  
Nelumbium flower bud LS  
Nymphaea flower bud TS  
Pollen grains different types  
Pollen grains germinating