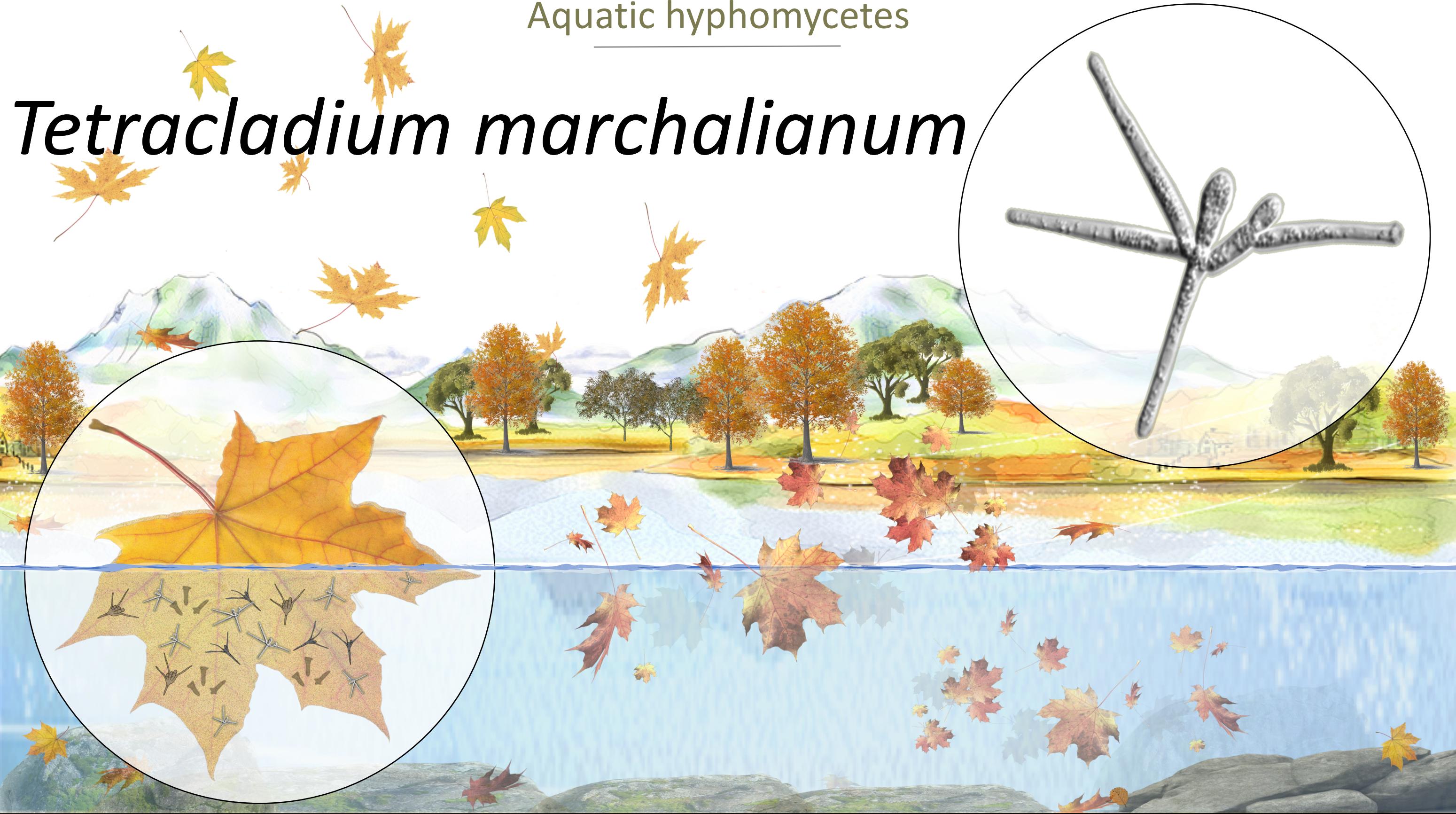


Aquatic hyphomycetes

# *Tetracladium marchalianum*



Phylum  
Ascomycota



Global  
distribution



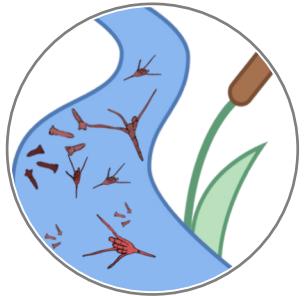
Streams and other  
freshwater habitats



Plant litter  
decomposers



Also occur as  
endophytes



## Did you know some fungi live in water?

More than 5500 fungal species live in aquatic habitats like streams, lakes, ponds, wetlands, tree holes, and the ocean. They can be decomposers, symbionts, endophytes and parasites of plants and animals.



## What are Aquatic Hyphomycetes?

This ecological group is very important in streams. They are the dominant microbial decomposers of leaves and other plant litter. They make the carbon and nutrients trapped in the litter available to consumers in streams.

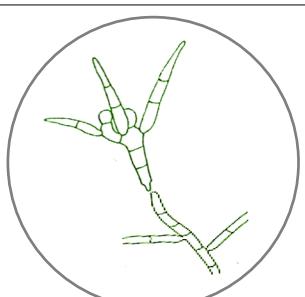


## *Tetracladium marchalianum*

**Classification:** Ascomycota, Pezizomycotina, Leotiomycetes, Leotiomycetidae, Helotiales, *Incertae sedis*.



**Global Distribution:** Found in Asia, Africa, North America, South America, Europe, and Australia. DNA evidence indicates that it may also be found in Antarctica.



**Reproduction:** This aquatic hyphomycete is currently only known to reproduce asexually through conidia and fragmentation. Relatives of this species produce "cup-like" fruiting bodies.



**Aquatic Hyphomycete and Endophytic:** Although frequent in streams, *T. marchalianum* can also live inside plants as an endophyte. Research suggests that it may be beneficial for plants to host *T. marchalianum*.