

First microfossil evidence of desiccation-tolerant land plants

475 MYA

cultivation of edible
grasses from desiccationtolerant seeds, Ohalo II
people, shores of the Sea
of Galilee

Earliest record of

Northern Australia

desiccated state

(Theophrastus of Eresos)

21,000 BCE





1702



Importance of antioxidants for desiccation tolerance is shown in bacteria

1968



Vitrification discovered

during dehydration

1986

abundant (LEA) gene

drying seeds

transcripts discovered in

Genomes of desiccation-tolerant plants *Oropetium thomaeum* and *Boea hygrometrica* and sequenced

desiccation-tolerant

assembled

species sequenced and

2015