



ASPS 2021

Adelaide – Brisbane – Canberra –
Hobart – Melbourne – Perth – Sydney

ASPS 2021



8:00-8:45

Registration

9:00am

Sergey Shabala
Joshua Lomax
Kate Johnson

Rose Brinkhoff
Vanessa Tonet
Greg Jordan

Welcome and Session 1 (Chair: Ibrahim Bourbia)

GABA in regulating plant adaptive responses to hostile soils
Investigating pollen compatibility of commercial sweet cherry cultivars by DNA analysis
In vivo monitoring of drought-induced embolism in *Callitris rhomboidea* trees reveals wide variation in branchlet vulnerability and high resistance to tissue death
Nitrogen fertiliser increases LAI but creates water costs in *Eucalyptus nitens*
Water transport failure in minor veins triggers rapid dehydration and damage in *Eucalyptus viminalis* leaves
Ancestral state reconstruction of functional characteristics

10:35am

Morning Tea

11:00am

Beth Penrose
Karen Velandia
Ibrahim Bourbia
Beatrice Harrison Day
Travis Britton
Hassan Ahmed Ibraheem Ahmed

Session 2 (Chair: Hanh Minh Vo)

I love the smell of nodules in the morning: Using a cheap electronic nose to smell clover-rhizobia communication
Right place, right time; exploring the action of the plant hormone gibberellin during nodulation
Xylem cavitation isolates leaky flowers during water stress in pyrethrum
Reproductive water supply is prioritised during drought in tomato
Canopy damage during a natural drought depends on species identity, physiology and stand composition
Development of suberized barrier is critical for ion partitioning between senescent and non-senescent tissues in a succulent halophyte *Sarcocornia quinqueflora*
The rare *Eucalyptus risdonii* is expanding its range under climate change through hybridisation despite hybrid inferiority

Thais Pfeilsticker

12:45pm

Lunch

2:00pm

ASPS Joint Awards Session

Goldacre Award Seminar: Joanna Melonek (UWA)

Unlocking the genetic secret of cytoplasmic male sterility and fertility restoration in cereals

Jan Anderson Award Seminar: Kim Johnson (La Trobe)

Developing a passion for cell walls

FBP Best paper: Ximeng Li (Western Sydney)

Water regulation of cotton plants and its response to climate change

Education and Outreach: Kim Johnson and Monika Doblin (La Trobe)

A taste of tomorrow

RN Robertson Lecture: Christine Beveridge (UQ)

Network thinking for shoot architecture and path to impact in food production

4:15pm

Afternoon Tea

4:30-17:35pm

Timothy Brodribb
Kate Wulf
Waleed Khan
Frances Sussmilch

Session 3 and Close (Chair: Thais Pfeilsticker)

Temporal and spatial linkage between xylem failure and leaf damage
Investigating the AON and AOM pathway in the novel mutant *K301*
Biofortification of zinc in barley for human and animal health
Triggered at the first sign of stress – examining the evolutionary history of *NCED* genes and abscisic acid biosynthesis in land plants

Sponsored by:



Institutional Support

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