ASPS 2021

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

ASPS 2021
AUSTRALIAN SOCIETY OF PLANT SCIENTISTS
25th November 2021

9:00 am **Session 1**

David Ellsworth	Convergence in phosphorus constraints to photosynthesis in forests around the world
Yuki Tsujii	Leaf phosphorus economics based on the partitioning of phosphorus among different functional fractions
Haiyang Zhang	Ecological stoichiometry and fungal community turnover reveal variation among mycorrhizal partners in their responses to warming and drought
Will Cornwell	Closing the carbon cycle: ecological dynamics within a 5-year wood decomposition experiment

10:20 am ***Coffee break and interactive session***

10:50 am **Session 2**

Sharon Robinson	Antarctic terrestrial communities in a time of change
Renee Marchin	Surviving 50 °C – How hot is too hot for plant function?
Brendan Choat	Mechanisms of xylem hydraulic recovery after drought in *Eucalyptus saligna*
Lina Teckentrup	Pandora's box: How to constrain regional projections of the carbon cycle
Arjunan Krishnananthaselvan	The co-ordination of stomatal, hydraulic, and leaf browning responses of grass species to experimental drought

12:20 – 1:20pm ***Lunch***

1:20 pm **Session 3**

Rose Andrew	Understanding admixture in eucalypt species: introgression, adaptive genetic variation and muddy taxonomy
Shubham Chhajed	Spend it or save it: water budgets and hydraulic coordination to optimize photosynthetic gains
Robert Sharwood	Altering the primary carboxylase of C4 photosynthesis to improve crop resilience to future climates

2:00-4:15 pm **ASPS joint Awards session**

Goldacre Award Seminar: Joanna Melonak (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

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4:20 pm **Session 4**

David Coleman	Applications of low-field NMR to the ecophysiology of eucalypts
Pankaj Kumar Singh	Deciphering the ecological processes that underpin microbial colonization of plants
Maketalena Aleamotu'a	Genetic analysis of phi thickening development in *Brassica* roots
Yuzhou Wu	Control of plant development by cell-type boundaries

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