

Readings

Plant Physiological Ecology

Spring 2021

****Please contact Dr. Smith if you have trouble accessing the articles****

****Note: this file will be updated to account for changes to the schedule****

Week of January 16

Classical Literature Tuesday - Jan 17

Chapin FS. 2003. Effects of Plant Traits on Ecosystem and Regional Processes: a Conceptual Framework for Predicting the Consequences of Global Change. *Annals of Botany* 91: 455–463.

<https://academic.oup.com/aob/article/91/4/455/213070>

Recent Literature Thursday - Jan 19

Reich PB. 2014. The world-wide ‘fast–slow’ plant economics spectrum: a traits manifesto. *Journal of Ecology* 102: 275–301.

<https://besjournals.onlinelibrary.wiley.com/doi/10.1111/1365-2745.12211>

Week of January 23

Classical Literature Tuesday - Jan 24

Von Caemmerer S, Farquhar GD. 1981. Some relationships between the biochemistry of photosynthesis and the gas exchange of leaves. *Planta* 153: 376–387.

<https://link.springer.com/article/10.1007/bf00384257>

Recent Literature Thursday - Jan 26

Wang, Z., Wang, C., Liu, S. (2022). Elevated CO₂ alleviates adverse effects of drought on plant water relations and photosynthesis: A global meta-analysis. *Journal of Ecology*, 110(12), 2836-2849.

<https://besjournals.onlinelibrary.wiley.com/doi/full/10.1111/1365-2745.13988>

Week of January 30

Classical Literature Tuesday - Jan 31

Boardman NK. 1977. Comparative photosynthesis of sun and shade plants. *Annual review of plant physiology* 28: 355–377.

<https://www.annualreviews.org/doi/10.1146/annurev.pp.28.060177.002035>

Recent Literature Thursday - Feb 2

Paik I, Huq E. 2019. Plant photoreceptors: Multi-functional sensory proteins and their signaling networks. *Seminars in Cell Developmental Biology* 92, 114–121.

<https://www.sciencedirect.com/science/article/pii/S1084952117305748>

Week of February 6

Classical Literature Tuesday - Feb 7

Atkin OK and Tjoelker M. 2003. Thermal acclimation and the dynamic response of plant respiration to temperature. *Trends in Plant Science* 8: 343–351.

<https://www.sciencedirect.com/science/article/pii/S1360138503001365>

Recent Literature Thursday - Feb 9

TBD

TBD

Week of February 13

NO CLASS

Week of February 20

Classical Literature Tuesday - Feb 21

Chaves MM, Pereira JS, Maroco J, et al. 2002. How Plants Cope with Water Stress in the Field? Photosynthesis and Growth. *Annals of Botany* 89: 907–916.

<https://academic.oup.com/aob/article/89/7/907/151103>

Recent Literature Thursday - Feb 23

TBD

TBD

Week of February 27

Classical Literature Tuesday - Feb 28

Bazzaz FA. 1990. The response of natural ecosystems to the rising global CO₂ levels. *Annual review of ecology and systematics* 21: 167–196.

<https://www.annualreviews.org/doi/10.1146/annurev.es.21.110190.001123>

Recent Literature Thursday - Mar 2

TBD

TBD

Week of March 6

Classical Literature Tuesday - Mar 7

LeBauer, D. S. and Treseder, K. K. (2008), Nitrogen limitation of net primary productivity in terrestrial ecosystems is globally distributed. *Ecology*, 89: 371-379.

<https://esajournals.onlinelibrary.wiley.com/doi/full/10.1890/06-2057.1>

Recent Literature Thursday - Mar 8

TBD

TBD

Week of March 13

NO CLASS.

Week of March 20

Classical Literature Tuesday - Mar 21

Mooney HA. 1972. The carbon balance of plants. *Annual review of ecology and systematics* 3: 315–346.

<https://www.annualreviews.org/doi/10.1146/annurev.es.03.110172.001531>

Recent Literature Thursday - Mar 23

TBD

TBD

Week of March 27

PRESENTATION WEEK. NO READINGS.

Week of April 3

NO CLASS.

Week of April 10

Classical Literature Tuesday - Apr 11

Grime JP. 1977. Evidence for the Existence of Three Primary Strategies in Plants and Its Relevance to Ecological and Evolutionary Theory. *The American Naturalist* 111: 1169–1194.

<https://www.jstor.org/stable/2460262>

Week of April 17

PRESENTATION WEEK. NO READINGS.

Week of April 24

NO CLASS.

Week of May 1

PRESENTATION WEEK. NO READINGS.