Light and Moisture Content as Determinants of Photosynthetic Activity in Southern **Appalachian Mosses from Open and Shaded Habitats**

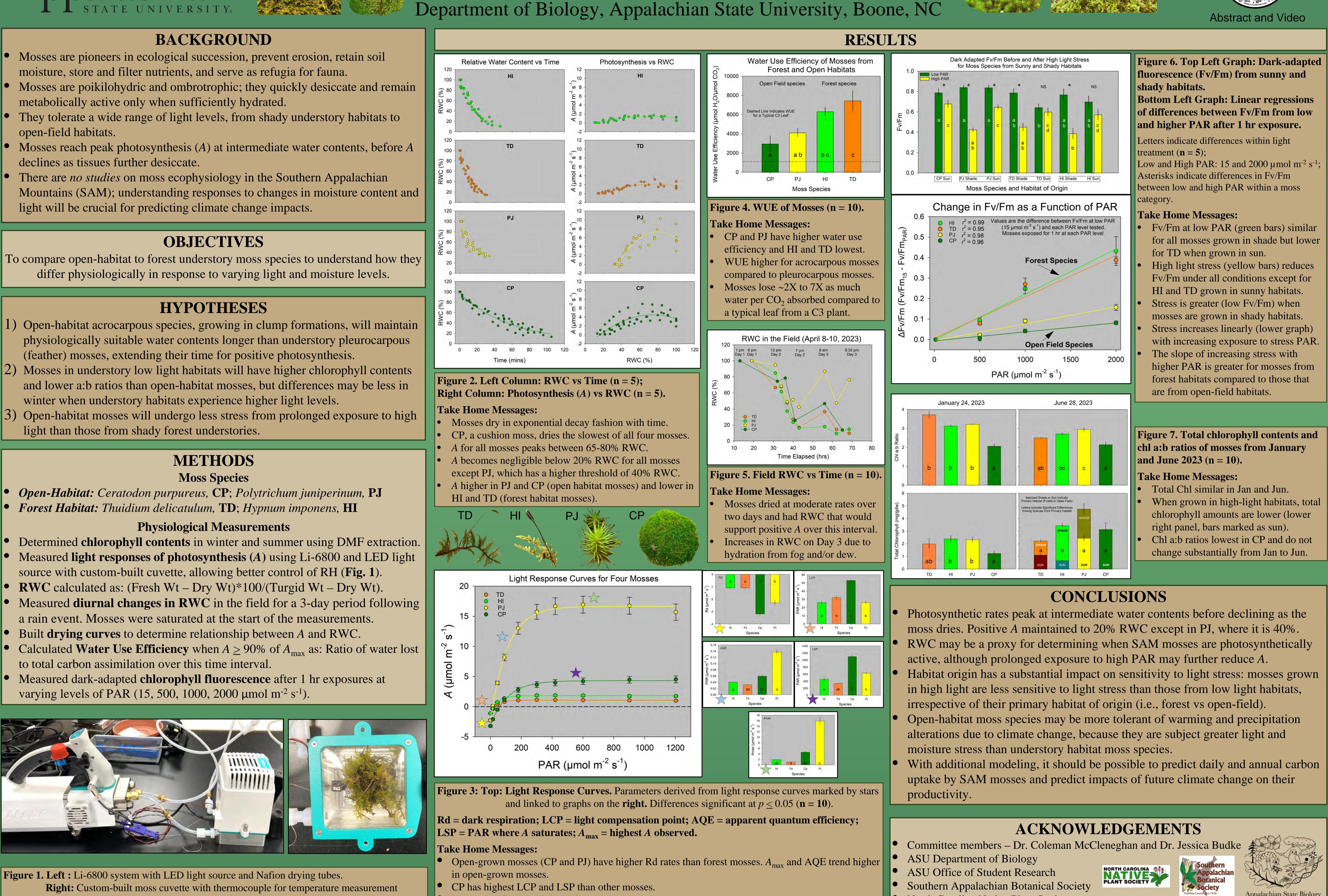




- moisture, store and filter nutrients, and serve as refugia for fauna.
- metabolically active only when sufficiently hydrated.
- open-field habitats.
- declines as tissues further desiccate.
- light will be crucial for predicting climate change impacts.

- (feather) mosses, extending their time for positive photosynthesis.
- light than those from shady forest understories.

- to total carbon assimilation over this time interval.
- varying levels of PAR (15, 500, 1000, 2000 µmol m⁻² s⁻¹).



and a small cage fan to stir the air.

PJ has significantly higher AQE and A_{max} than other mosses.

Leigha M. Henson and Howard S. Neufeld

- North Carolina Native Plant Society



