

Interactive comment on “Thermal acclimation of leaf photosynthetic traits in an evergreen woodland, consistent with the co-ordination hypothesis” by Henrique Fürstenau Togashi et al.

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Togashi et al. collected data for evergreen tree species from southwestern Australia and found that temperature acclimation of these species are consistent with the coordination hypothesis. The central motivation of this work is due to the fact that numerous ecosystem models assume that photosynthetic traits are constant in time and perhaps coordination hypothesis, which is based on optimality, would be useful for the models.

While this study is interesting, I would like the authors to clarify the following:

a) Based on their data or via model simulations, suggest how the ecosystem models

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can be improved. That is, if you were to use an ecosystem model, how would the parameters that you measured change with time in the model. In my view, coordination hypothesis has already been implemented in some ecosystem models.

b) You have the seasonal data and you just connect two points in Fig. 8. First in my view, this does not seem right. It would be nice to show better the temporal variation of the parameters for these evergreen species. My main concern here is to specify how much is the variation in the parameters of these evergreen species due to the different seasons e.g. 10%, 20%, etc.

Best

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