

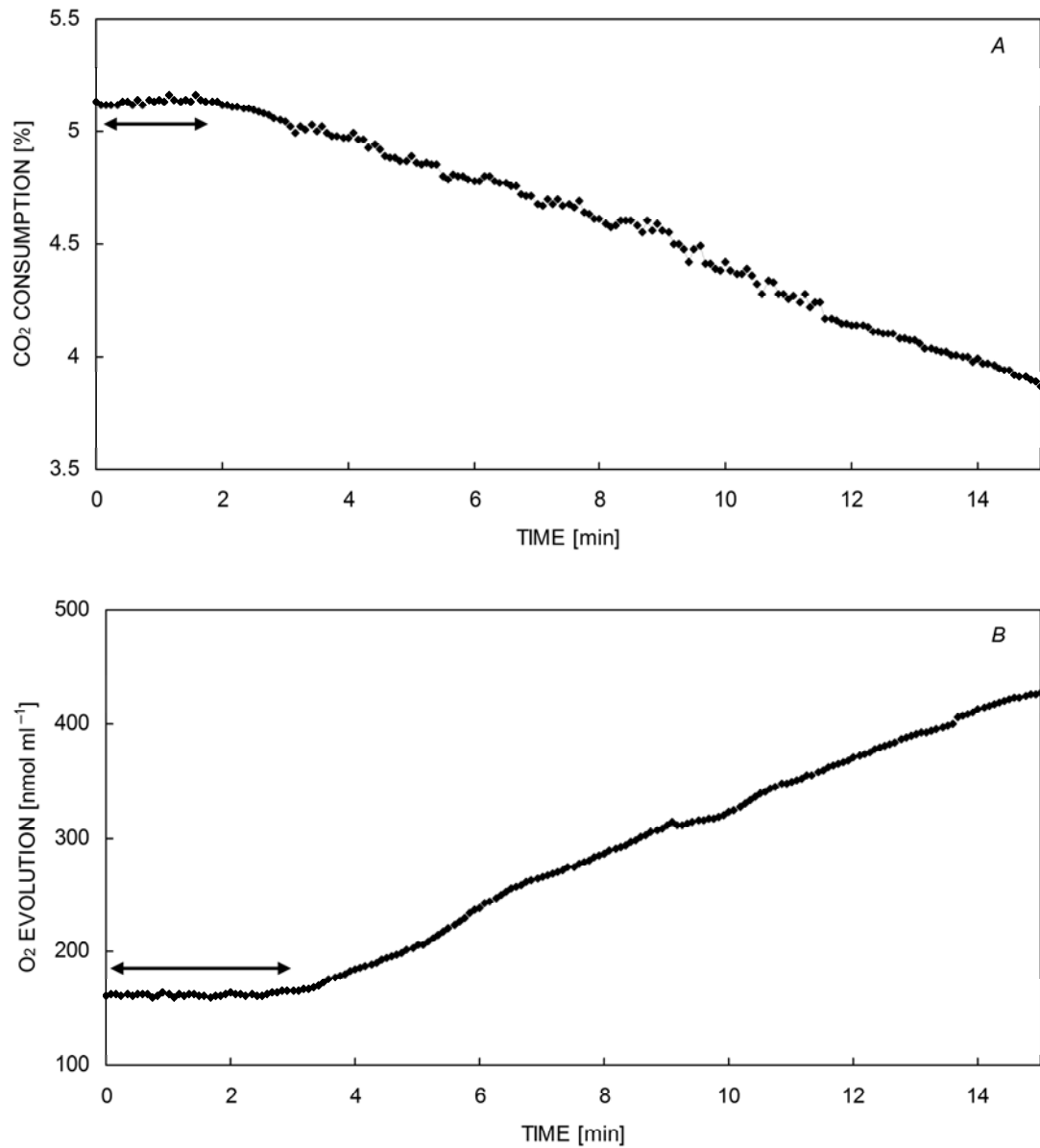


Fig. 1S. Lag phase (arrow) of photosynthetic CO₂ consumption (A) and O₂ evolution (B) of *R. mucronata* leaves as a function of the time after the light was turned on. Data of CO₂ consumption was recorded using *pCO₂ View v1.0.2* software and O₂ evolution using *Oxygraph Plus System* software. Both concentrations were measured simultaneously in the same chamber every 5 s. The O₂ evolution and CO₂ consumption rates were calculated from the initial slopes of the curves during linear photosynthetic activity after lag period. CO₂ (%) and O₂ concentration (nmol ml⁻¹) will be transformed into net production [$\mu\text{mol m}^{-2} \text{s}^{-1}$] using the volume of the enclosure and the related leaf surface that has been introduced to the chamber. The conditions of the medium was temperature 25°C, and PAR 1,000 $\mu\text{mol}(\text{photon}) \text{m}^{-2} \text{s}^{-1}$.