

# Měření fotosyntézy pomocí kyslíkové elektrody

## Measurements of photosynthesis by oxygen electrode

Příprava pro cvičení a příklady využití kontinuální kultivace pomocí fotobioreaktorů

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Ecophysiology of photosynthesis

# Portable vs. Laboratory electrodes

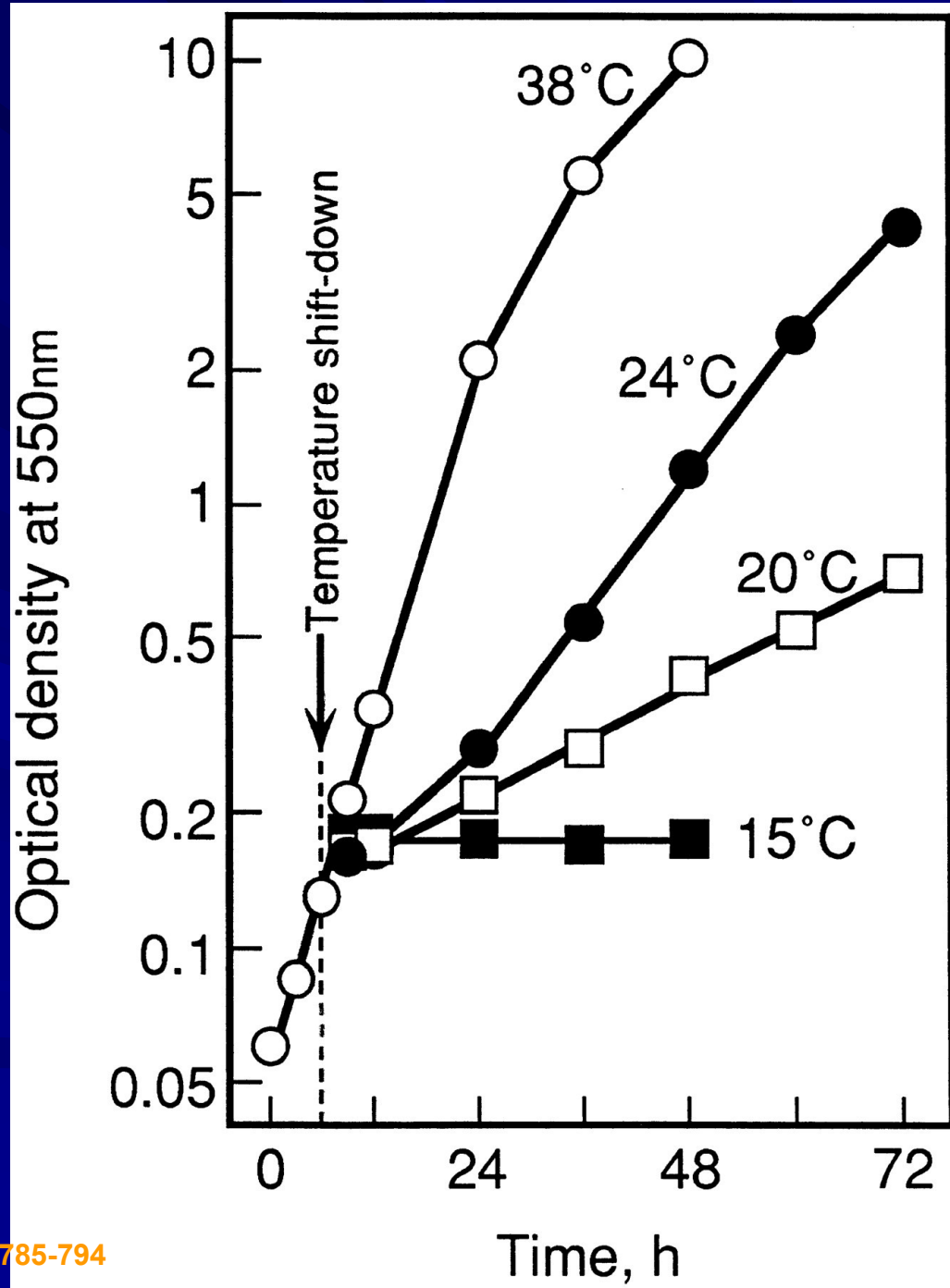


# Photobioreactors with built-in oxygen electrodes

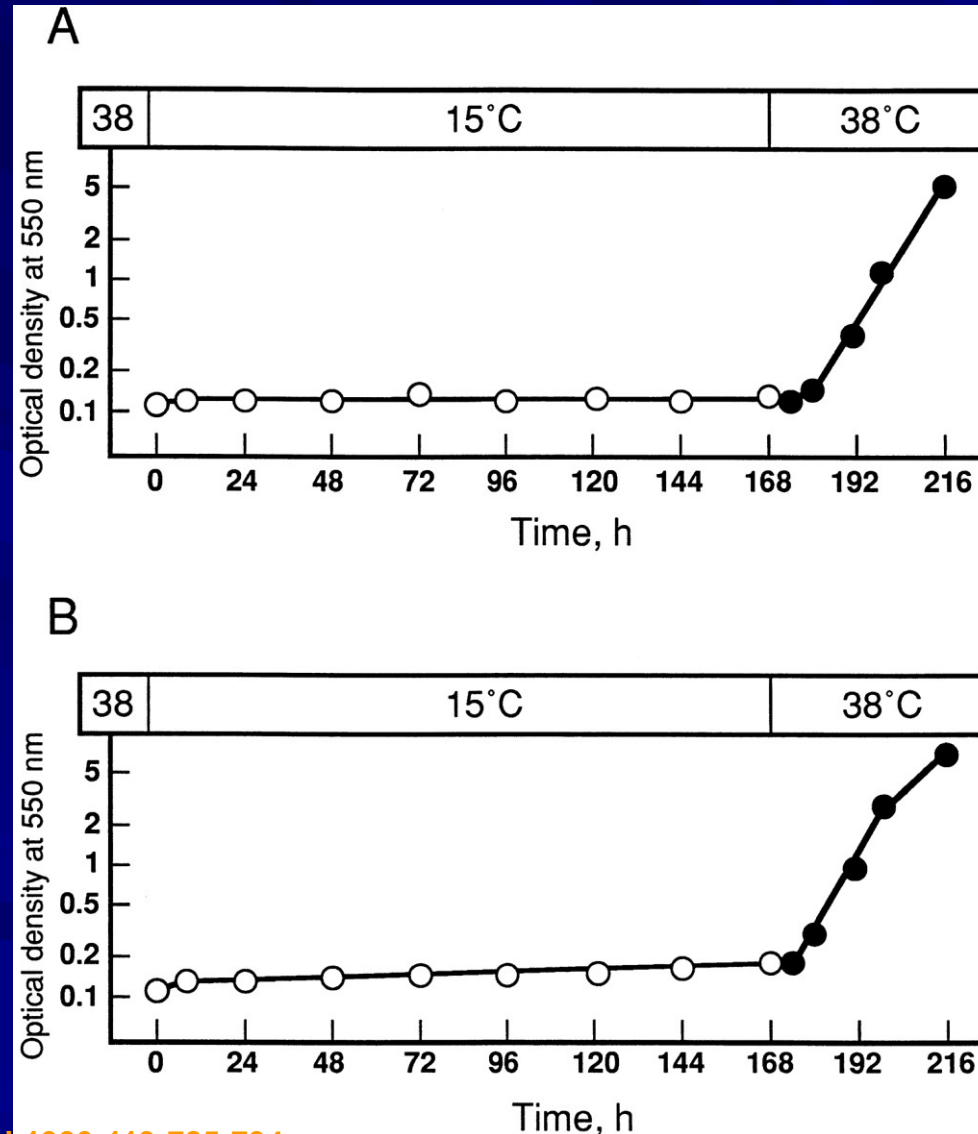


# Algal culture

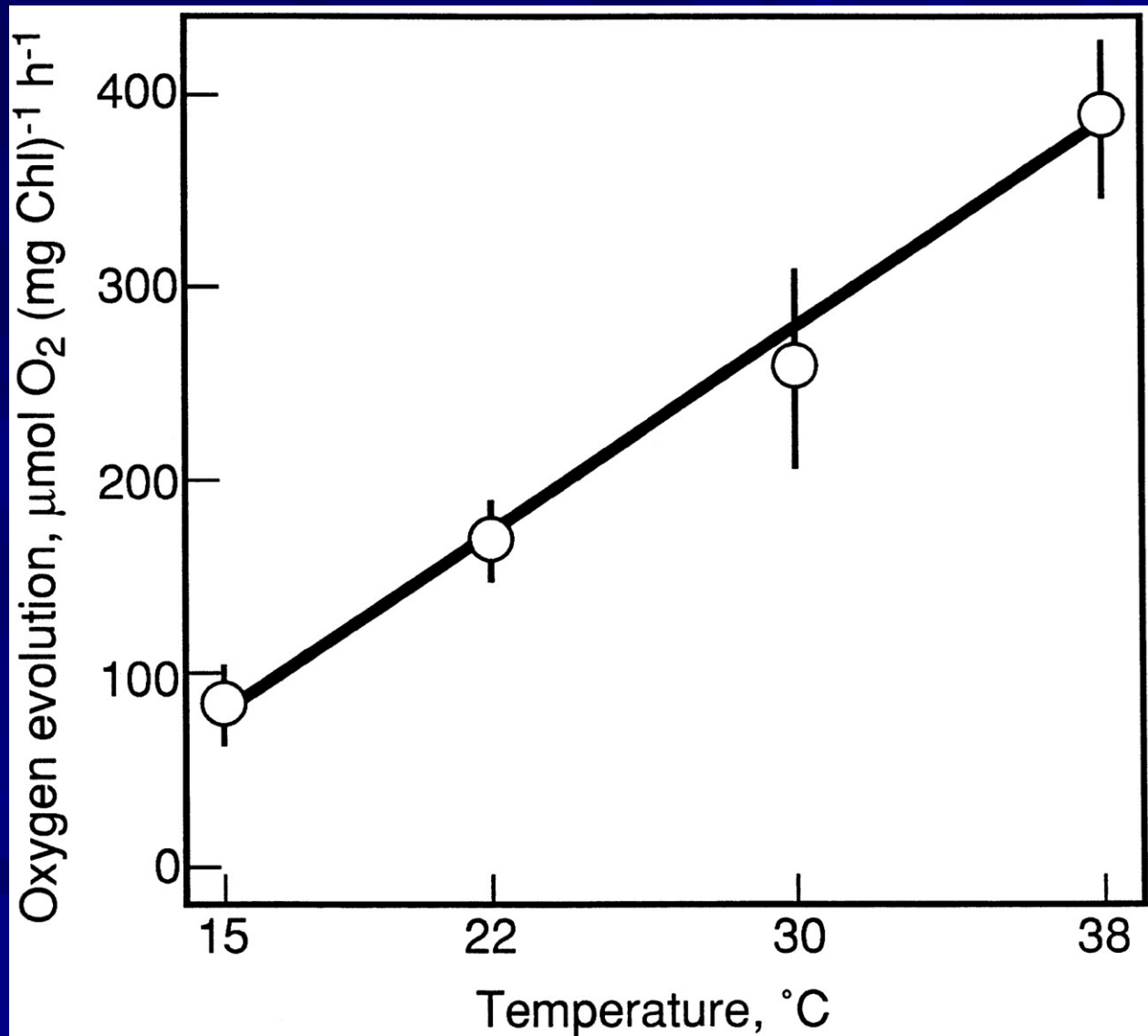
OD



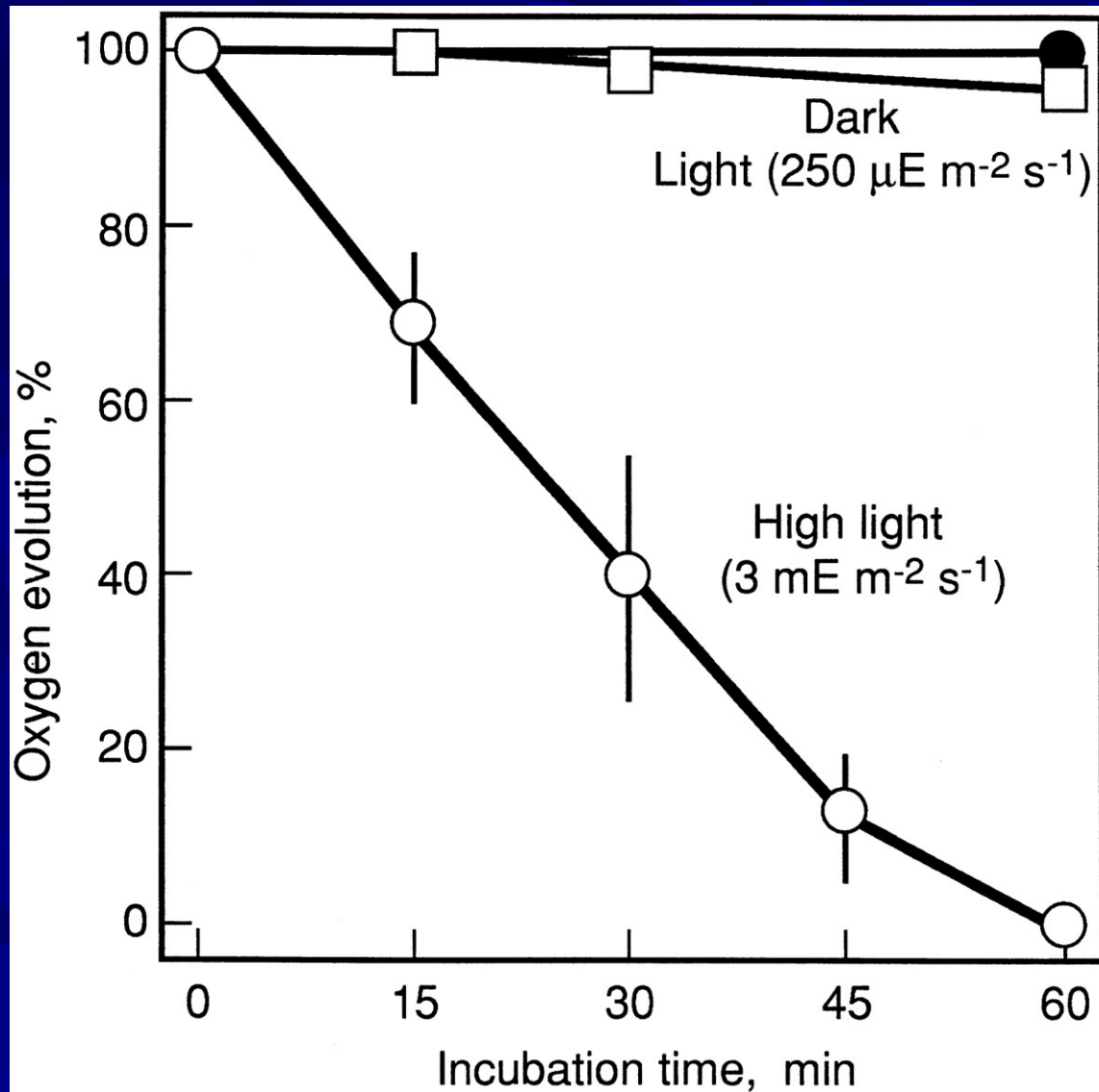
# OD dependence on temperature



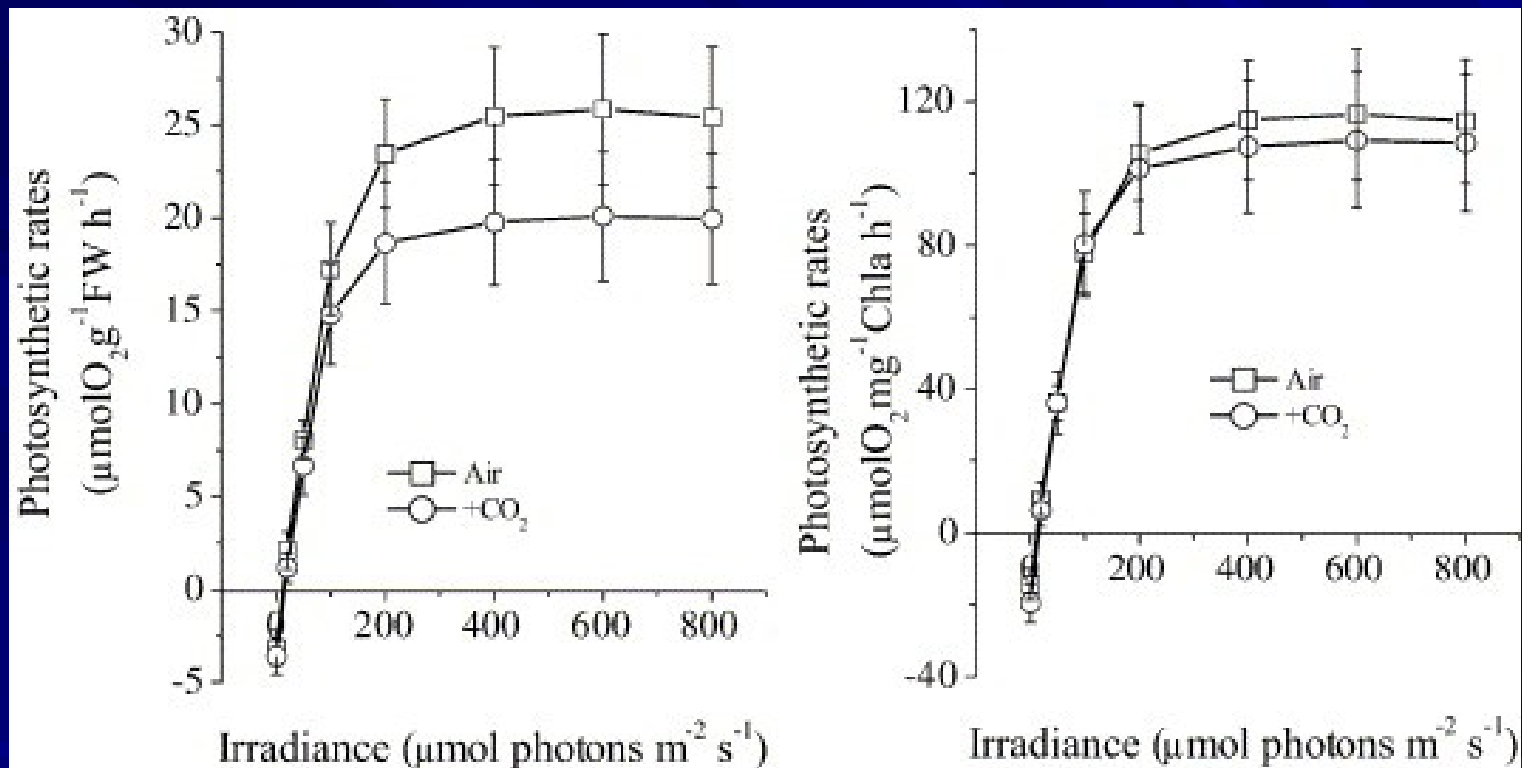
# OER – temperature dependence



# Photoinhibition



# Light-response curves



- Rates of photosynthetic oxygen evolution vs. irradiance curves in *H. fusiforme* grown with non-enriched (Air, averaging 360  $\mu\text{l l}^{-1} \text{CO}_2$ ) and CO<sub>2</sub>-enriched air (+ CO<sub>2</sub>, averaging 700  $\mu\text{l l}^{-1} \text{CO}_2$ ).
- [Dinghui Zou](#)



Dámy a pánové, děkuji Vám za  
pozornost

Ladies and gentlemen, thank you for your  
attention.