Foram-substrate interactions
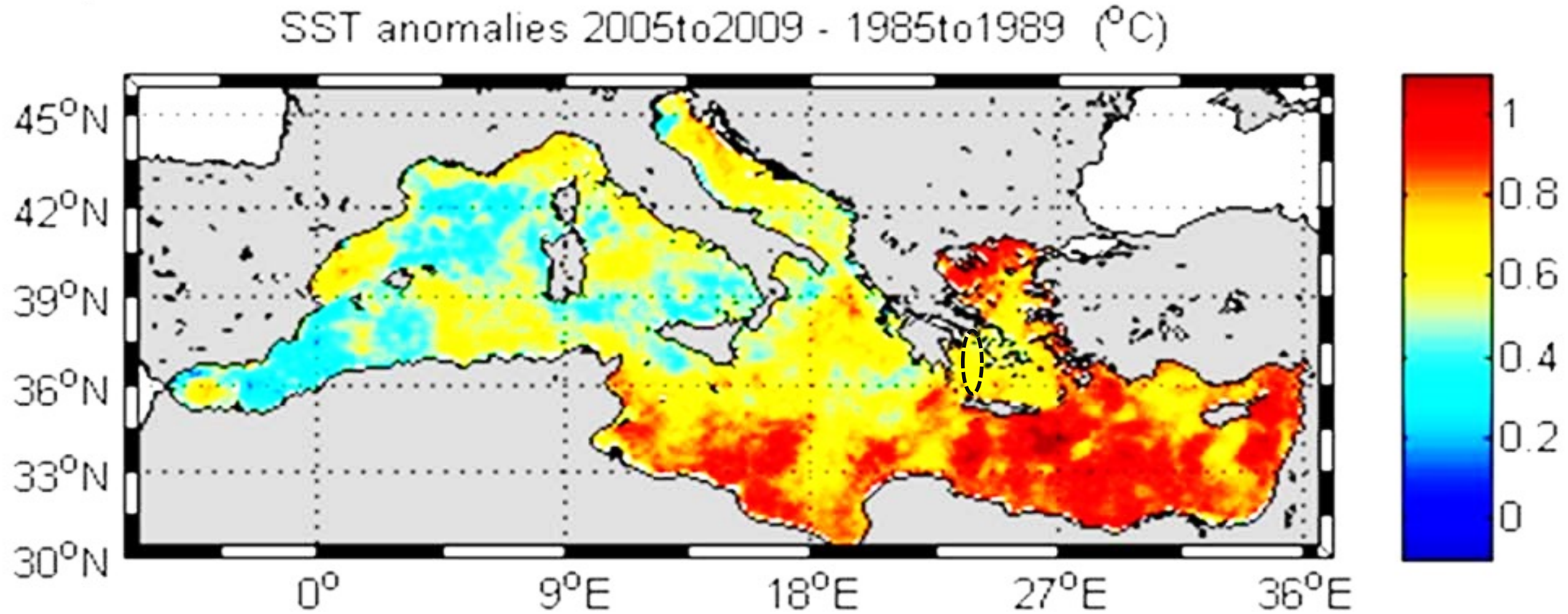## *What does their future hold?*

Presented by Sneha Manda

Coastal ecosystems are at high risk
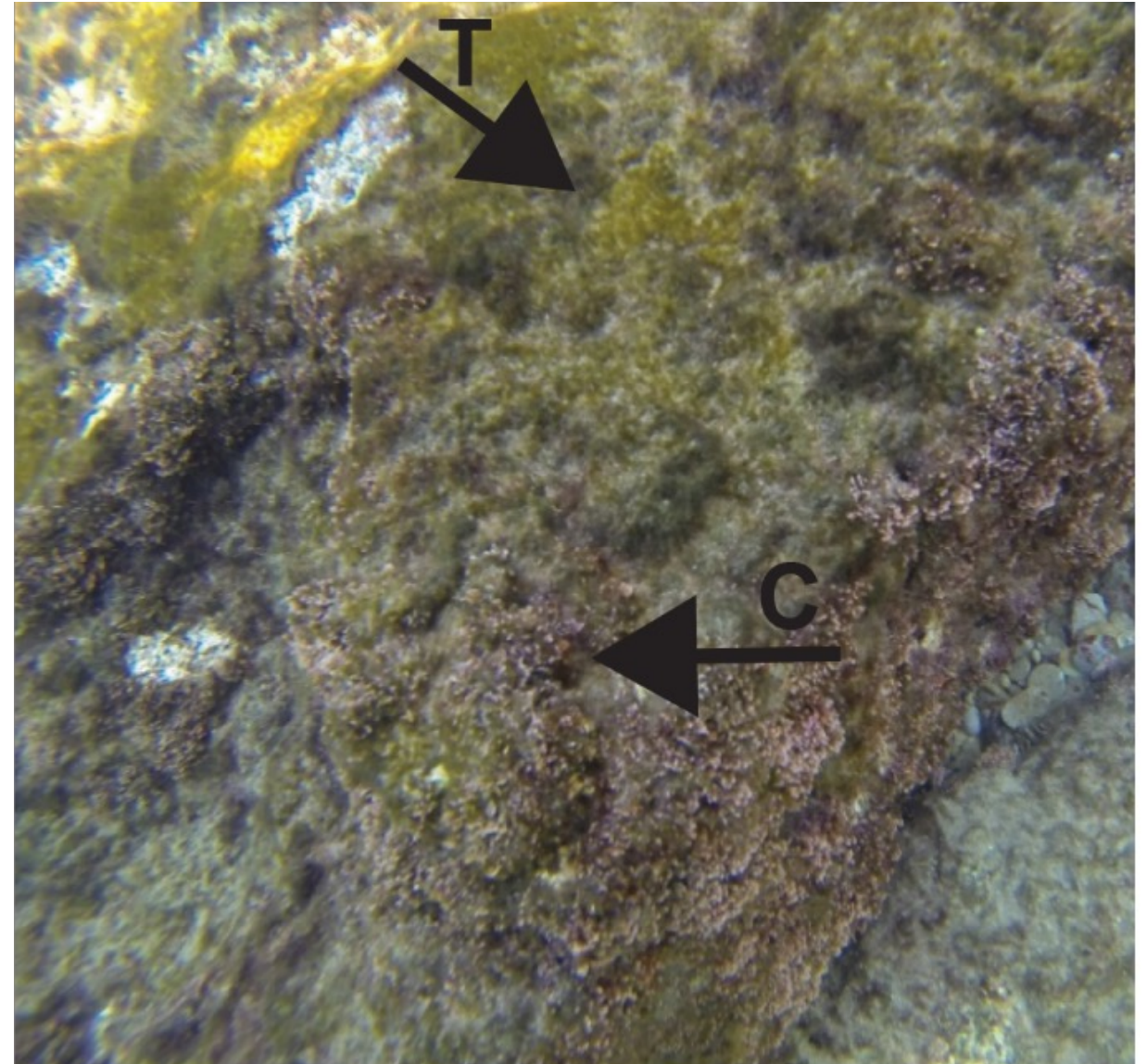

SST anomalies 2005to2009 - 1985to1989 (°C)

Macias et al., 2013

Macroalgal habitats on abrasional platforms

The effect of algal habitat thermal sensitivity on foraminifera

200 μm

Schmidt et. al. 2016

T

C

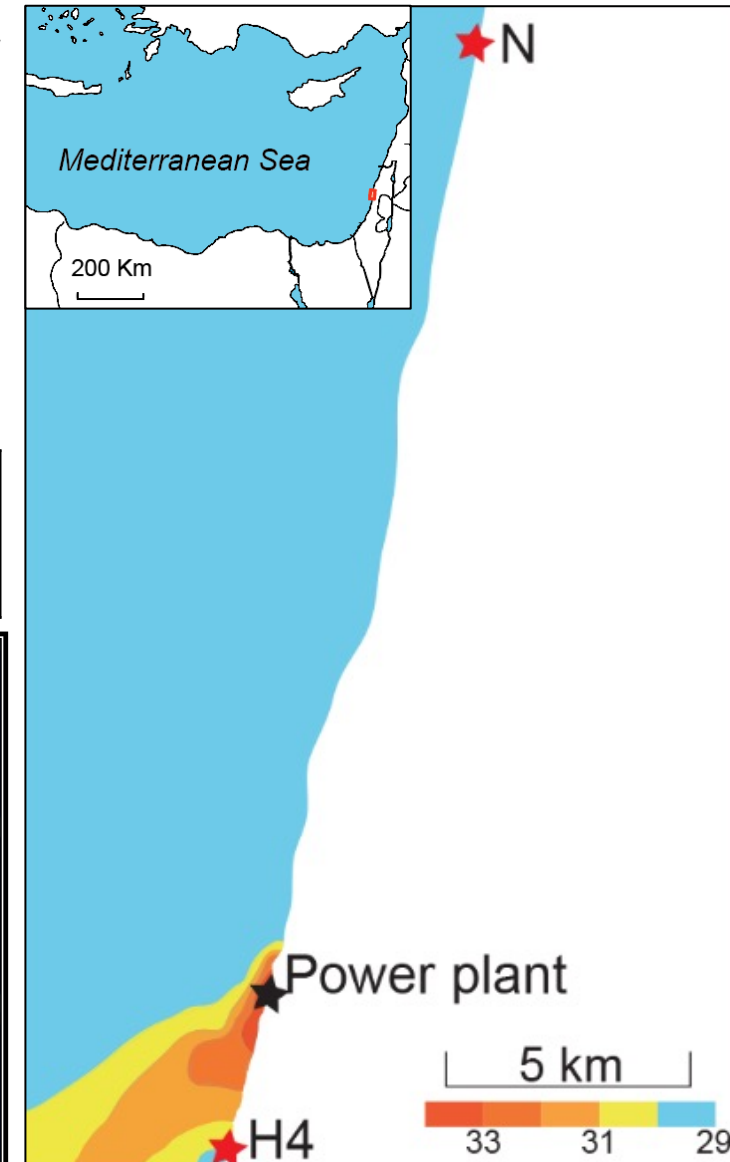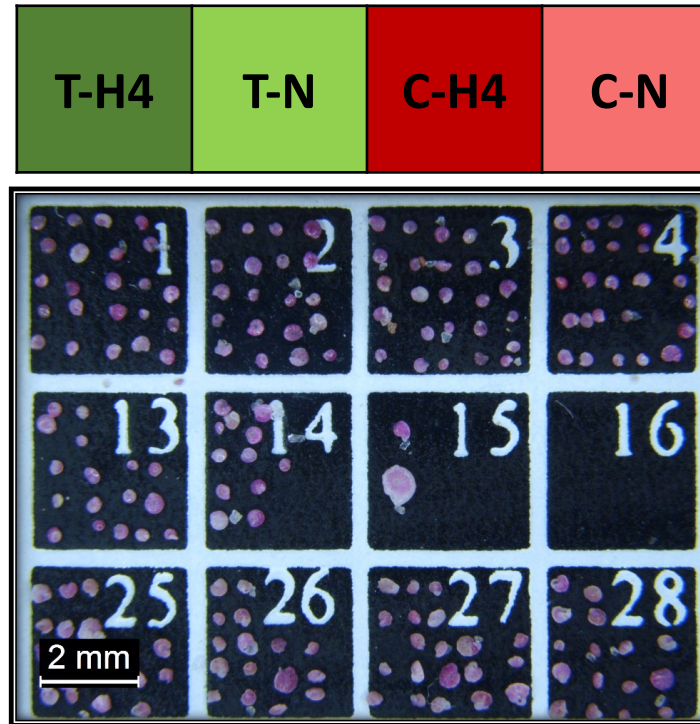How will the foraminifera respond when their homes are at risks to global warming?

Methodology

One-year long , monthly sampling campaigns from stations **N**(natural) and **H4**(thermally polluted)

0 to 0.5m depth, scalpel or hand, depending on the degree of attachment of algae

Rose Bengal staining to identify living foraminifera following the FOBIMO protocol

Common species
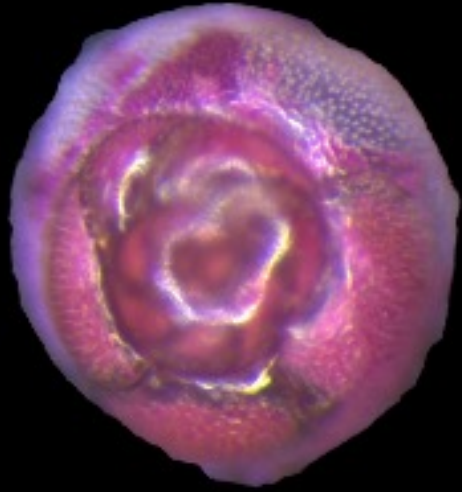
Rosalina

P. calcariformata

A. lobifera

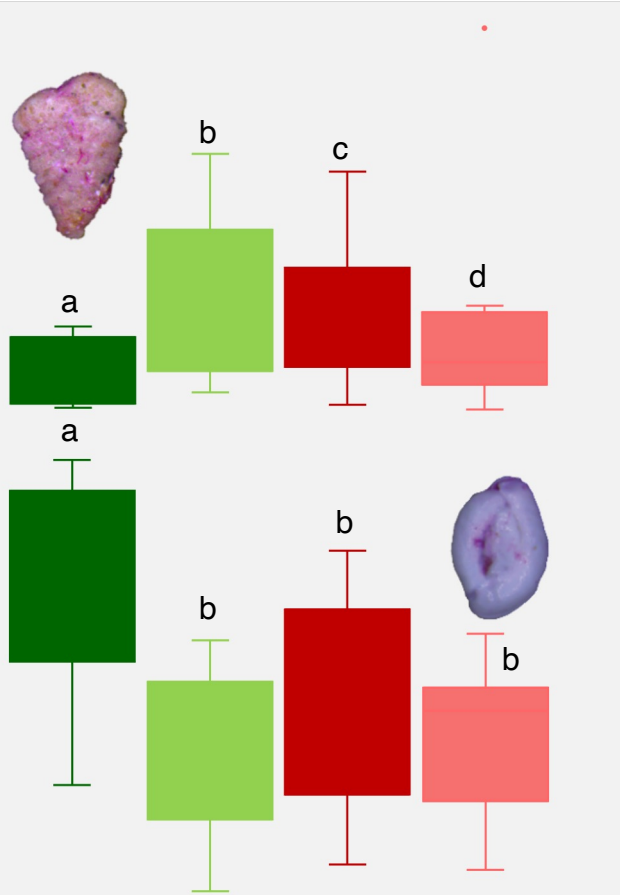S. orbiculus

Lachlanella

Textularia
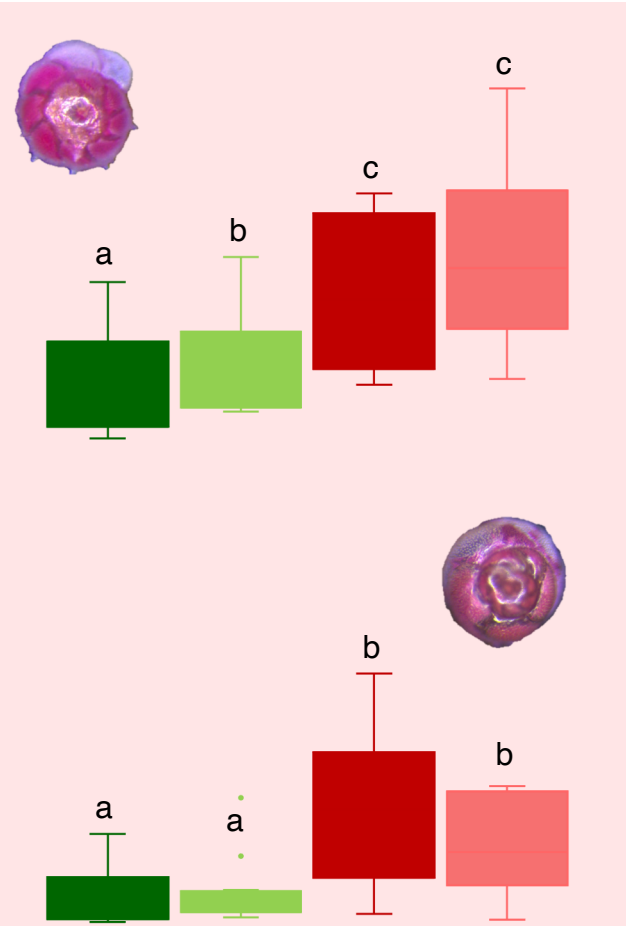
Peneroplis

Scale bar represents 200 μm

Algae-foraminifera affiliation

Common foraminifera species can be catergorized into three groups based on their affiliation for Turf or Coralline algae
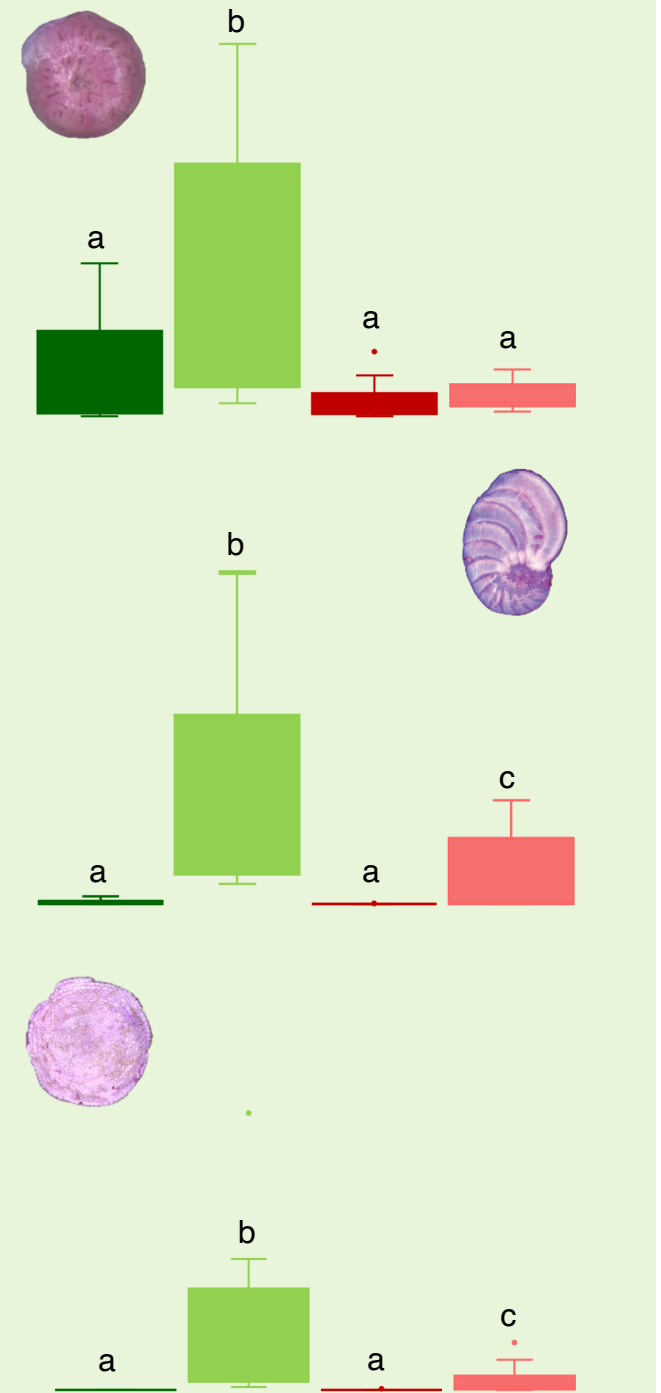
Foram-algae dependence causes limitations
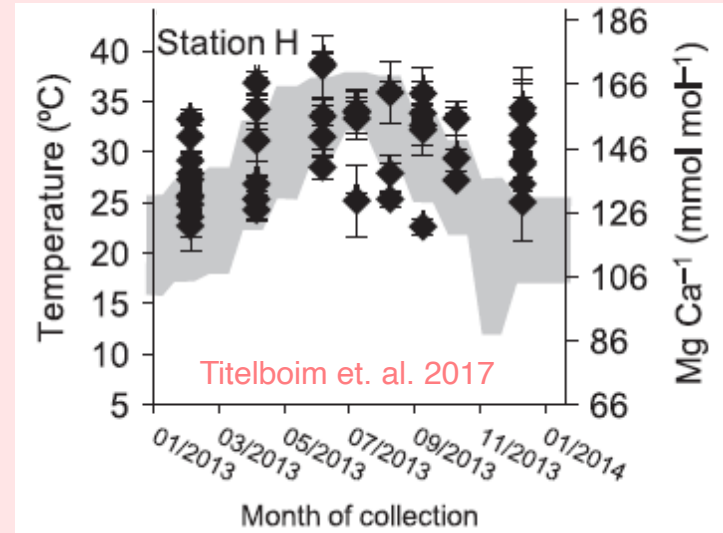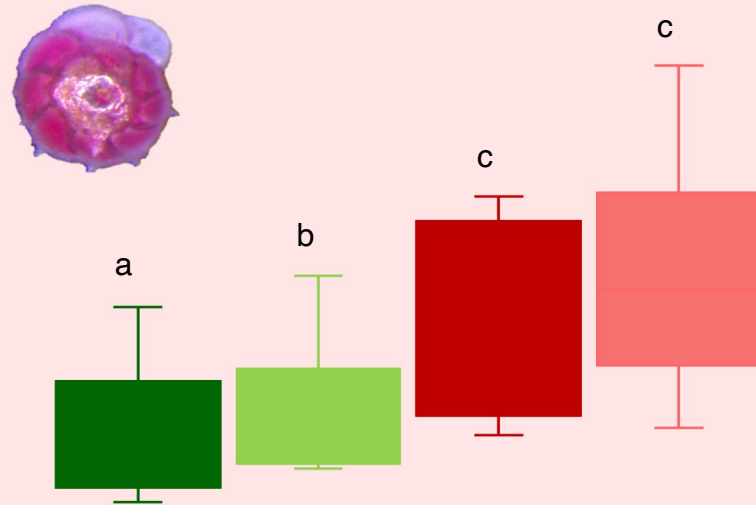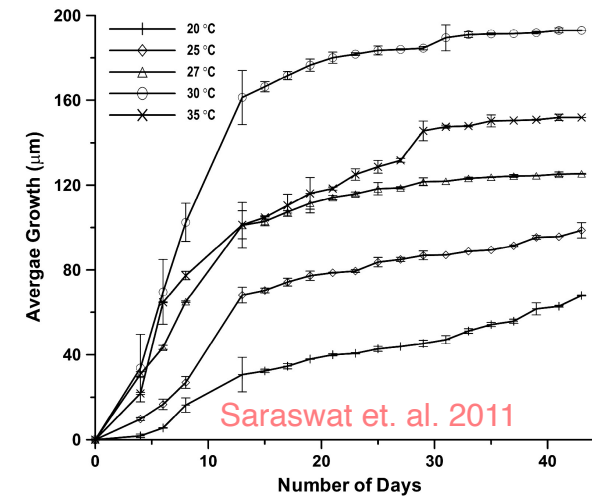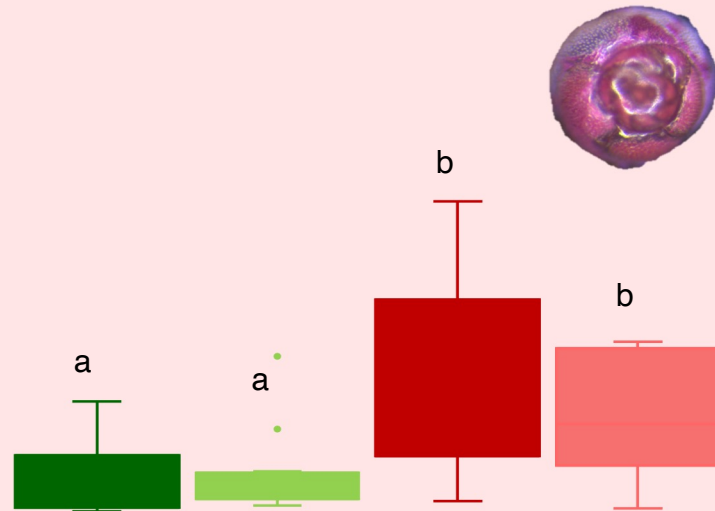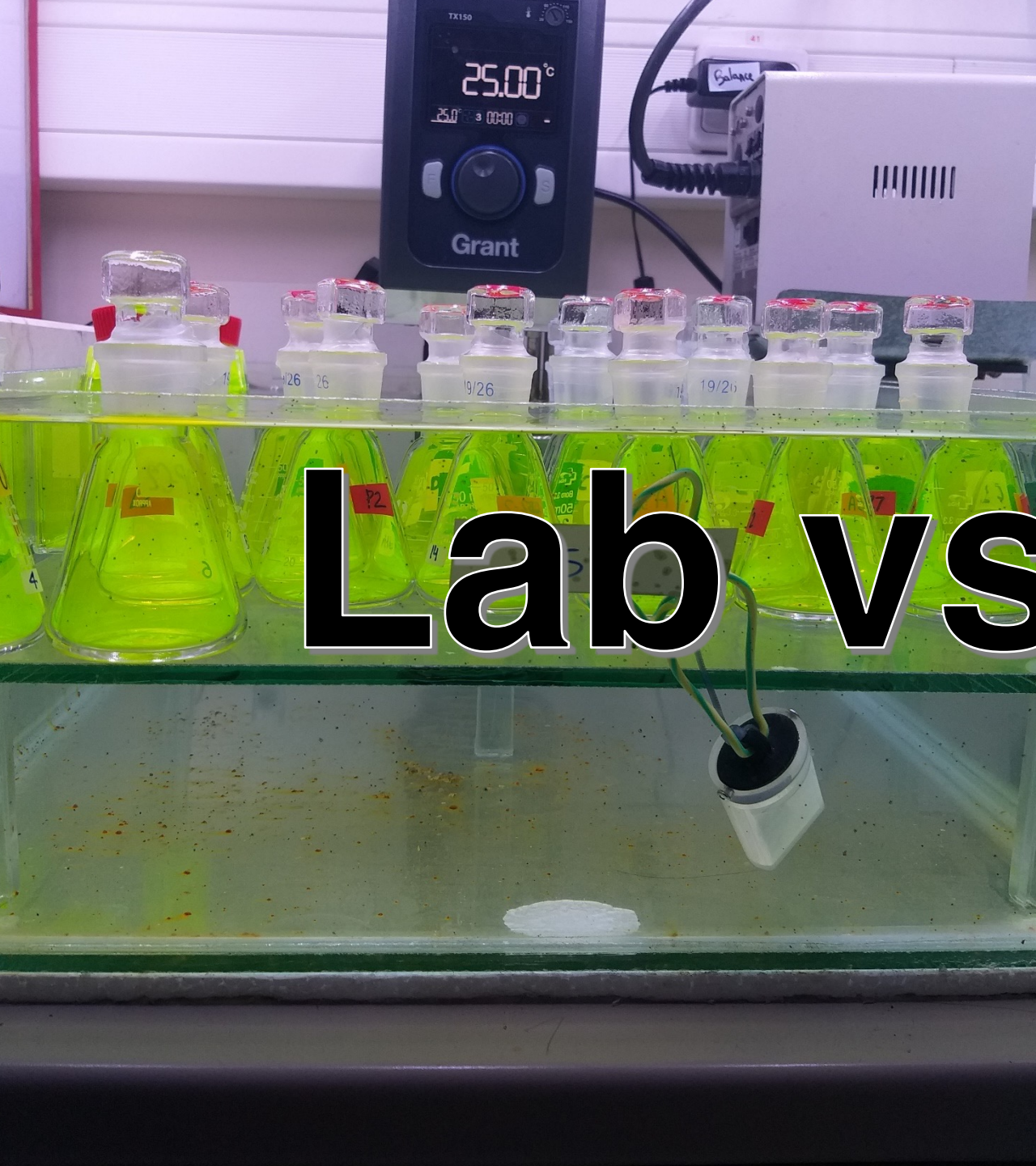
Lab vs Field

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Outstanding Student & PhD candidate Presentation contest