





Ecological

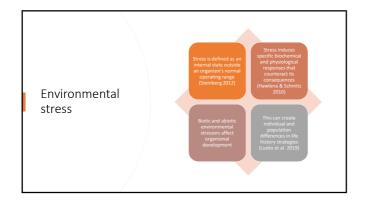
• Yet, environmental conditions can also be perceived as stressful.

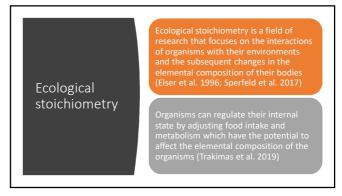


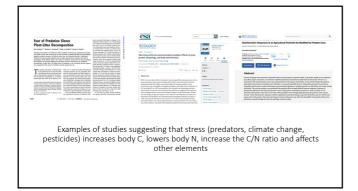
The importance of environmental conditions both in isolation and combined that are often stressful.

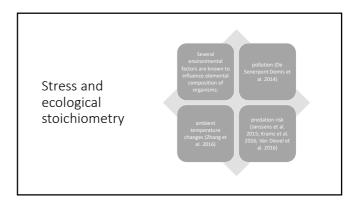
Understanding and predicting how these environmental conditions and their interactions affect different levels of biological organization is a key challenge in stress research.

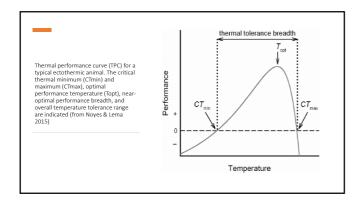
This problem asks for an integrated approach in research including chemistry, medical aspects of adaptation, toxicology, ecology, agriculture, plant and animal physiology.

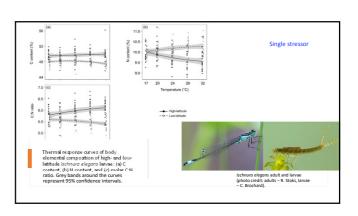


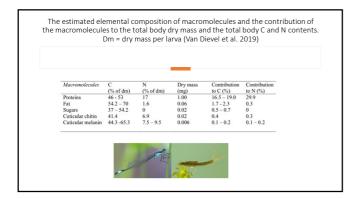












Hypothesized changes to elemental composition caused by predators

Predator-induced stress generally increases metabolic rate (Hawlena & Schmitz 2010; Krams et al. 2013)

Subsequently rising energetic demands increase the overall demand for carbohydrate-based fuel and lower the need for nitrogen-rich (N) proteins necessary for growth

Caused by Under such circumstances, the body utilizes proteins to produce glucose (Hawlena & Schmitz 2010)

