

Antioxidant Bioactivity of Seaweed Lipid Extracts— Julia Lach

Aims:

- Investigate what bioactive properties are in seaweed.
- Design and validate an in-house antioxidant assay.
- Investigate antioxidant activity from Irish seaweed species and explore what compounds may be responsible for radical scavenging activity.

Methods:

2-diphenyl-1-picrylhydrazil (DPPH) radical scavenging assay was used to test antioxidant activity.

Results:

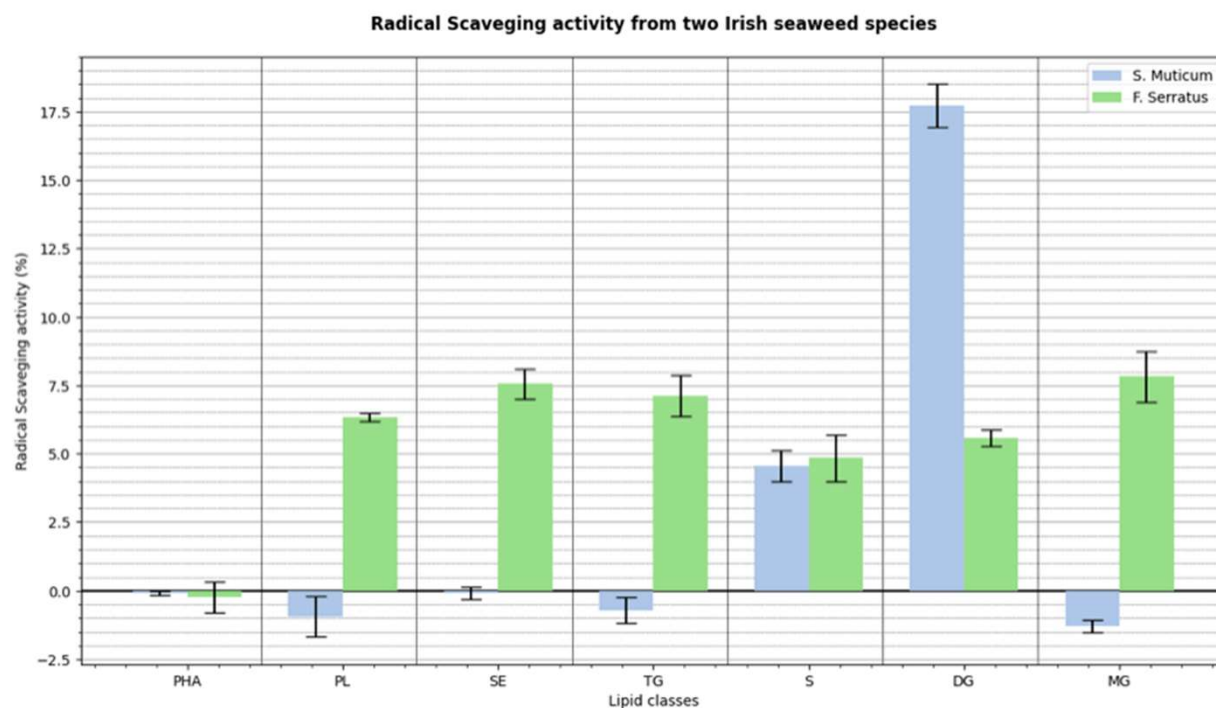


Figure 1. Comparison of Radical Scavenging Activity (%) of *S. Muticum* lipid fractions (blue) and *F. Serratus* lipid fractions (green); PHA= polvhydroxvalkanoate, PL= polar lipids, SE= steryl esters, TG= triglycerides, S= sterols, DG= diacylglycerols and MG= monoglycerides.

Managing Competing Academic and Personal Demands

