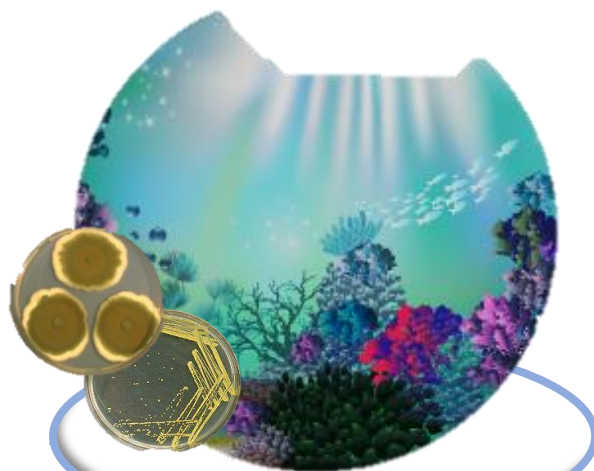


New bioactive molecules for industries from Ocean

PhD Student:
Emiliana Tortorella
IBP-CNR



Microorganisms
macroorganisms

Crude
extracts

Fractions

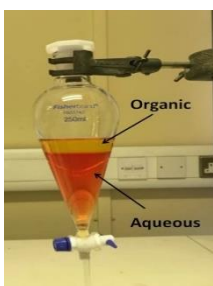
Pure
compounds

Identification
and characterization

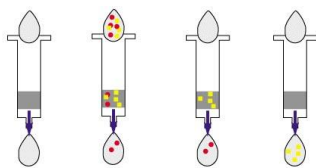
New
products

Industrial applications

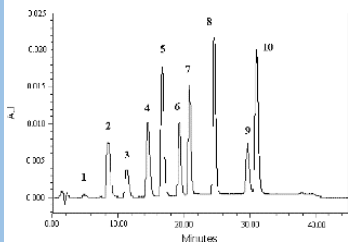
Bioactivity-guided purification



1) Extraction with organic solvents

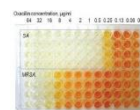


2) Solid Phase Extraction / Chromatography

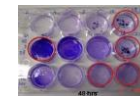


3) HPLC

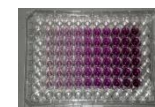
Bioactivity assay



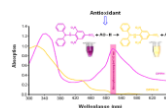
Antimicrobials



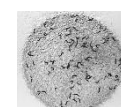
Anti-biofilm



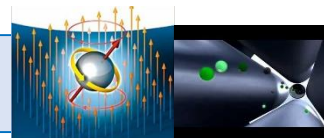
Anticancer



Antioxidant



Anthelmintics



NMR

LC-MS