BIOFILMS & MARINE BIOFOULING
This is a Real Drag, and it Wastes Energy

Increased fuel costs related to drag caused by marine biofouling:
£10,000M

Total value of marine vessel antifouling:
£28,700M

50,000 registered merchant ships are responsible for transporting:

- 80% of global trade by volume
- 70% of global trade by value

Global shipping capacity is growing by 2.7% per year.

Shipping is reported to account for 2% of all global carbon dioxide emissions with the largest emissions from the container ship, bulk carrier and oil tanker fleets.

Marine biofouling can increase drag by up to 34%.