

OBJECTIVE

To access the viability of using maggots as fish food supplement to improve fish welfare.



BACKGROUND

BioMonde is a Multinational wound care company specializing in the manufacture and distribution of larval debridement therapy (also known as maggot therapy) products for use in chronic and hard to heal wounds. BioMonde are looking for viable alternative uses for maggots, pupae, and flies such as fish feed supplements.

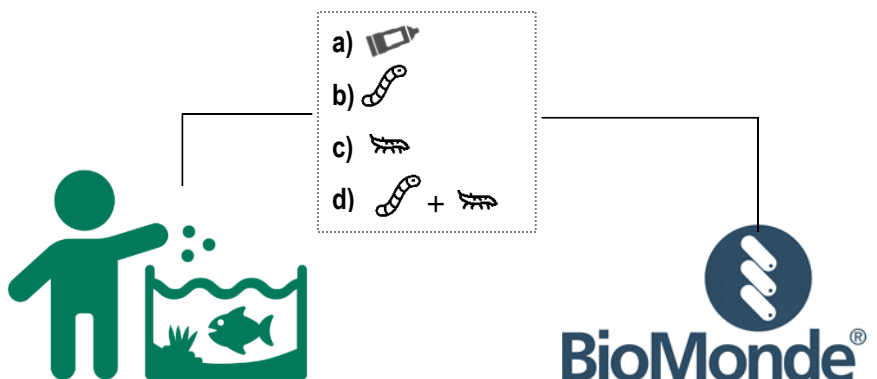
The maggot excretions/secretions have been found to have antibacterial, antimicrobial, anti-inflammatory, and wound healing properties. There may be potential for a beneficial change in the gut microbiome of fish after consumption of these products which could improve fish health in general.

ACTIVITIES

To compare the gut microbiome and fish behaviour (cognition, shoaling, decision making) of fish fed with: a) commercial diet; b) maggot supplement; c) artemia supplement; 4) maggot and artemia supplement.

OUTCOME

To contribute to the company product portfolio, to find a new supplement for fish which can benefit their overall health in captivity.



V.L.HURST@SWANSEA.AC.UK



@SMARTAQUA2



+44 (0)1792 602 030



WWW.SMARTAQUA.ORG.UK