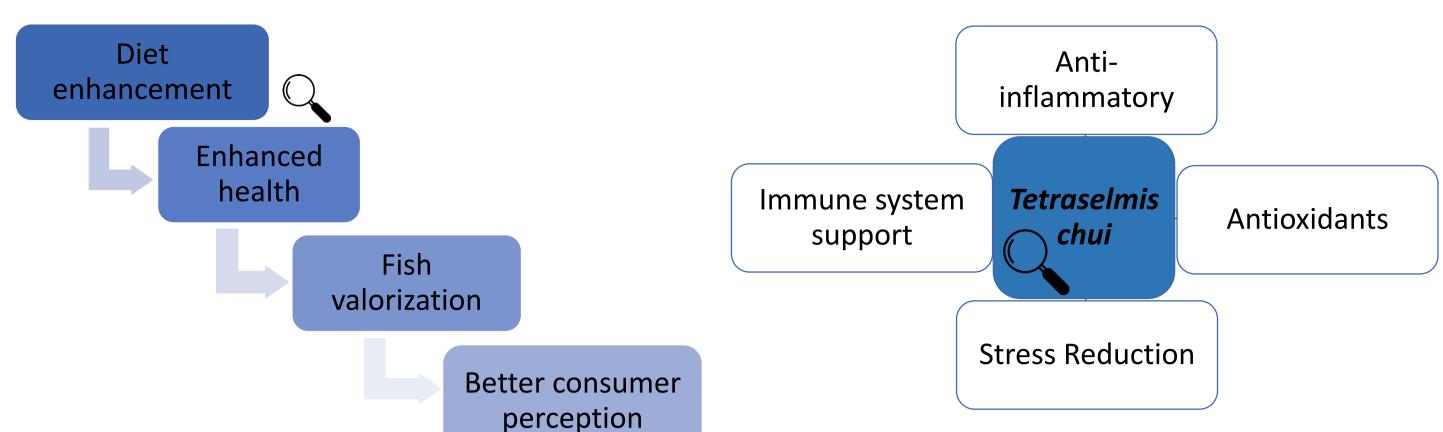
EVALUATING THE IMPACT OF DIETARY Tetraselmis chui EXTRACTS ON IMMUNITY AND DISEASE RESISTANCE IN EUROPEAN SEABASS Dicentrarchus labrax JUVENILES

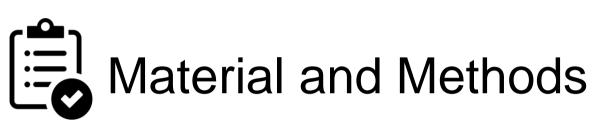
Cunha, A.^{1,2,3*}, Santos, P.^{1,2,3}, Hinzmann, M.¹, Magalhães S.⁴, Aires, T.⁴, Conceição, L.⁵, Machado, M.¹, Vitorino R.³, Gonçalves, A.T.^{3,5}, B. Costas^{1,2} U. PORTO *acunha@ciimar.up.pt sparos GreenCoLab

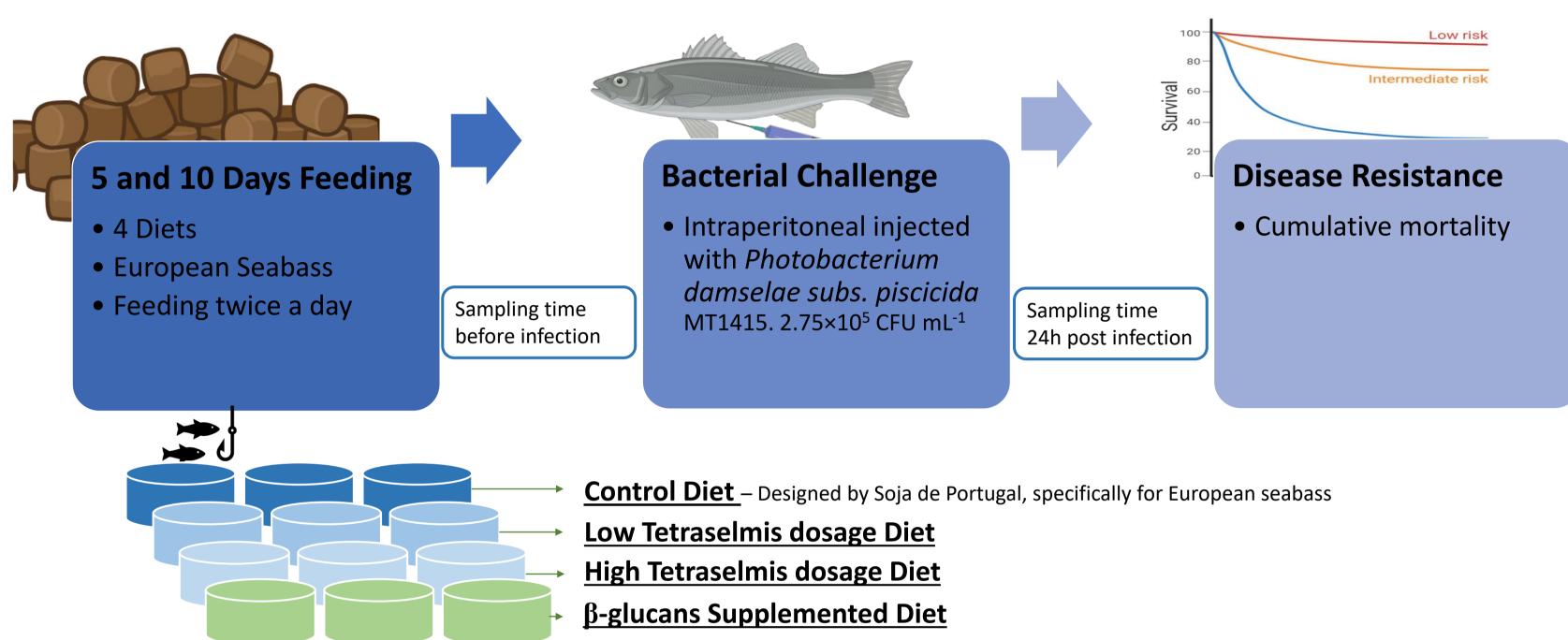






Evaluation of the capacity of *Tetraselmis chui* extract to modulate the immune response and disease resistance of European seabass





Blood

- Differential leukocytes counting
- Peritoneal leukocyte evaluation
- Hemoglobin
- MCV, MCH, MCHC and Hematocrit ratio

Gut and Liver

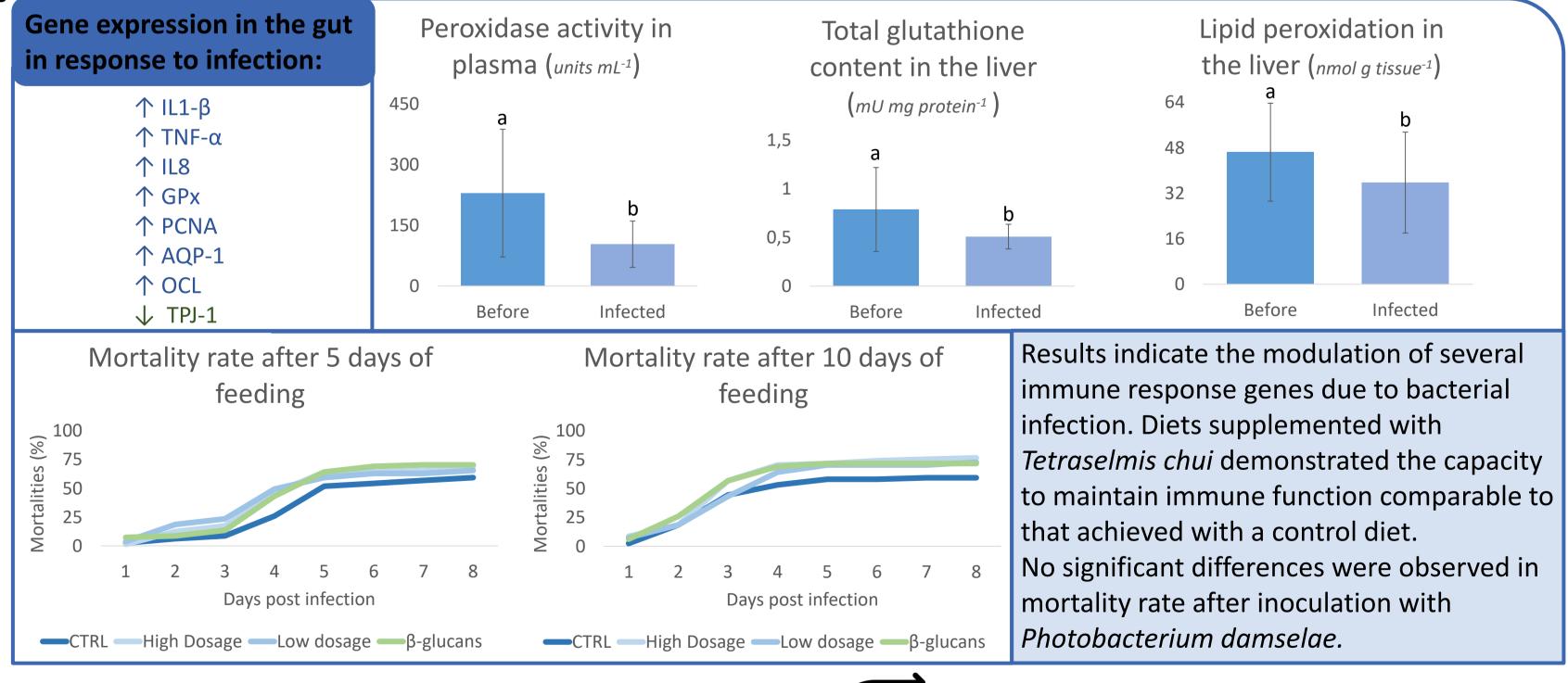
- Oxidative stress biomarkers
- Molecular biomarkers
- Stress biomarkers

Plasma

Humoral parameters



Results





Discussion

Preliminary data suggest that dietary supplementation with *Tetraselmis chui* extract under the current experimental conditions does not seem to modulate the seabass immune status nor survival against Photobacterium damselae piscicida.

Acknowledgements

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Future Work

Evaluation of other feeding times and supplementation levels, to further our knowledge.

Analysis of immune related molecular parameters in head kidney and liver.







