



Les Jeudis de l'UMR

LUNDI 20 JANVIER 2025 / 14h00 **Luís André SAMPAIO**, Federal University of Rio Grande – FURG

Experimental mariculture in Southern Brazil

Shellfish represent the majority of mariculture operations in Brazil, especially shrimp and mussel aquaculture. Despite the large coastal line, there is not really an established marine fish culture industry in the country. This is specially true for the southernmost region of Brazil, with a subtropical climate and open beach areas, the coastal morphology does not favor the development of off-shore or even near-shore operations. Therefore, inland operations are being developed. Marine shrimp culture is produced in biofloc technology (BFT) with large success at a pilot scale. IMTA is a more recent approach, both in clear water and BFT, producing marine shrimp as the main crop along with macroalgae, oysters, fish, and sea cucumber among other organisms. Marine fish culture in RAS has been evaluated for several species including flounder, cobia, and more recently the Southern black drum *Pogonias courbina* (an endangered Sciaenidae species). Reproduction of marine fish is obtained both by natural and induced spawning. Larvae are produced following typical larviculture protocols for marine fish, which include rotifers as first feed, followed by Artemia until they are fully weaned into dry diets. The larval and juvenile fish studies focus on the effects of abiotic parameters (temperature, salinity, pH, and light) and biotic factors (stocking density, feeding protocols, and nutrition). Grow-out trials are more difficult, as the infrastructure is limited for fish production. Anyway, growth of flounder, cobia, and Southern black drum have been evaluated in RAS and ponds. The results are promising, but still lack a larger scale design to guarantee a profitable business.

> accès zoom

<https://umontpellier-fr.zoom.us/j/96426860643>
ID de réunion : 964 2686 0643

> prochainement



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Jeudi 23 janvier 2025 à 11h30 : Héroïse Rouzé
Chargée de Recherche IRD, MARBEC
« Des méta-organismes coralliens aux écosystèmes coralliens : capacités de résilience dans un contexte de changement climatique et de pressions anthropiques »

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