



UNIVERSITÀ DEGLI STUDI  
DEL SANNIO Benevento

DST

DIPARTIMENTO DI SCIENZE E TECNOLOGIE

Dottorato di Ricerca in Scienze e Tecnologie per l'Ambiente e la Salute

## GIORNATE SCIENTIFICHE DEL DST



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## Challenges Accepted the Alternative protein sources in fish diets: What about Crayfish?

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Sala Riunioni del DST

Via F. de Sanctis, Benevento

### ABSTRACT

As feed is the single largest operational expense in aquaculture, feed cost determines the profitability and sustainability of this agribusiness activity globally. Responsible expansion of aquafeeds, requires findings sustainable alternatives to fishmeal and fish oil ingredients, of which aquaculture is the largest user. Currently, most available alternative feed resources that are being used are of terrestrial origin including plant proteins and oils - the main ingredients for aquafeeds. Ideally, what is needed is a non-competing resource supply that doesn't compete with the direct human food chain. Consequently, questions have globally been raised by consumers on whether the use of animal and plant by-products really is safe and/or sustainable for commercial aquaculture. Therefore, the "Next Generation Aquafeed Ingredients" in mitigating the use of marine and terrestrial resources will be discussed in this presentation.