

# Fish Nutrition Workshop 2024

Sustainable Ingredients and Circularity aspects  
Wageningen, 4 - 8<sup>th</sup> February 2024

## PRELIMINARY PROGRAMME

**Sunday February 4<sup>th</sup>**      **Registration + Dinner**

**Monday February 5<sup>th</sup>**      **Introduction to Nutrition**

Morning Session:

- [Current trends and Future challenges in aquaculture nutrition](#): Brett Glencross (IFFO, UK)
- [Protein requirements](#): Luisa Valente (CIIMAR/UP, PT)
- [Fatty acid requirements](#): Monica Betancor (Stirling U, UK)

Afternoon Session:

- [Carbohydrates in fish nutrition](#): Johan Schrama (WU, NL)
- [Mineral requirements](#): Roel Maas (WU, NL)
- [Gut function with emphasis on motility](#): Øystein Sæle (IMR, NO)
- [New approaches, techniques and tools in fish nutrition](#): Stephane Panserat (INRAE, FR)
- [The role of microbiome in fish nutrition](#): Fotini Kokou (WU, NL)

Evening Poster session I

---

**Tuesday February 6<sup>th</sup>**      **Feed Ingredients and Formulation**

Morning Session:

- [Energy evaluation](#): Johan Schrama (WU, NL)
- [Novel protein sources](#): Ikram Belghit (IMR, NO)
- [Novel oil sources](#): Monica Betancor (Stirling U, UK)

Practical afternoon session: [Feed formulation Practical](#)

Evening Poster session II

---

**Wednesday February 7<sup>th</sup>**      **Sustainability aspects in Fish Nutrition**

Morning Session:

- [Use of fish meal by-products](#): Brett Glencross (IFFO, UK)
- [Feed-Food competition](#): Anne-Jo van Riel (WU, NL)
- [Life Cycle Assessment](#): Killian Chary (WU, NL)

Afternoon Session: [Feed formulation Practical / Tour to the Animal Experimental Facilities \(Carus\)](#)

---

**Thursday February 8<sup>th</sup>**      **Ecological Intensification in Aquaculture**

- [Feeding pond or fish?:](#) Kazi Kabir (CIRAD, FR)
- [Pond aquaculture in Europe](#): Roy Koushik (CENAKVA, CZ)
- [Nutrition for fish ponds](#): Julia Mas Muñoz (De Heus)

# Fish Nutrition Workshop 2024

Sustainable Ingredients and Circularity aspects  
Wageningen, 4 - 8<sup>th</sup> February 2024

## BACKGROUND

The **Wageningen Fish Nutrition workshop** is organized in February 2024 as the third of a series of annual Wageningen workshops on fish nutrition. As part of these workshops, leading experts in the field will give one-hour presentations, taking time to thoroughly introduce each subject. This year's (2024) subject is **Fish Nutrition: Sustainable ingredients and Circularity Aspects**.

The workshop includes two afternoons of hands-on practicals on fish feed formulation. Further, participants are asked to send an abstract of their research plans and to present a poster, with the best one awarded the poster prize. The official workshop language is English.

## OBJECTIVES

The objective of the present workshop is to provide participants with advanced knowledge on fish nutrition, focusing on the use of sustainable feed ingredients and circularity aspects. During the workshop we will discuss the latest advances in fish nutrient requirements and sustainable sources, connecting them to fish physiology, but also to circular economy and by-product valorisation. The use of novel tools in fish nutrition and the implication of microbiota and changes thereof will also be further discussed.

## TARGET GROUP

The level of the workshop is targeting academic and company researchers as well as management staff in the aquaculture industry.

**We more than welcome PhD students, who have a reduced registration fee.**

## REGISTRATION

The number of participants is limited to 40 persons, admitted on a 'first-come' basis. ALL-IN registration includes accommodation, meals and registration. Total costs are 400 € for accommodation and meals for the workshop period (fee based on a shared room, otherwise 500 €) PLUS a registration fee of 450 € (Ph.D. students), 650 € (post-doc, academic staff) or 1200 € (company staff).

Upon registration via our website, WE will make a reservation for your accommodation at the Wageningen International Conference Centre (WICC) where ALL participants and speakers will be staying. This reservation will be made final upon your timely payment of the total costs for accommodation and registration.

Please visit us at: [www.wageningenur.nl/afi](http://www.wageningenur.nl/afi)

## ORGANISATION

WAGENINGEN INSTITUTE OF  
ANIMAL SCIENCES (WIAS)



AQUACULTURE & FISHERIES  
(AFI)

Wageningen University &  
Research (WUR)



Fotini Kokou, Johan Schrama, Marit Nederlof,  
Geert Wiegertjes

P.O. Box 338, 6700 AH Wageningen

The Netherlands, Phone: +31 62158 8175;  
+31 31748 3307.

For questions contact us at  
[nutritionafi.workshop@wur.nl](mailto:nutritionafi.workshop@wur.nl)