PerformFISH

ONLINE TRAINING PROGRAMME

NUTRITION AND FEEDING IN SEABREAM AND SEABASS PRODUCTION

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As part of its capacity building activity, PerformFISH has designed a training programme on the latest understanding of nutrition and feeding in seabream and seabass production. This two-day remote training programme will be held on-line on 21-22 June 2022. The course will be based on a multidisciplinary integrated approach that will translate the outcomes of the PerformFISH project into actionable opportunities for the fin-fish aquaculture industry.

The two-day training session will consist of five general training topics that have been designed to walk participants through a process beginning with a general understanding of the nutritional quality of feeds on the first day, followed by a series of techniques and tools for improving feeding and husbandry on the second day.

Attendees will learn about recommended dietary levels of minerals and vitamins, novel raw materials in commercial diets, conditioning farmed fish to novel feeds, accurately evaluating fish for skeletal anomalies, biomass and fish length, the use of a decision support tool for optimal feeding, and reviewing current challenges on aquaculture farms.

The course will be run in a webinar format, with attendees encouraged to ask questions. The training is being delivered by members of ULPGC, CSIC, HCMR, SINTEF and SPAROS. This training will be accessible to anyone with an interest or role in the sector, including fish farmers, students/researchers interested in aquaculture nutrition, feed formulators and producers, and aquaculture veterinarians.

Detailed information

Organiser	**PerformFISH**
Contents	Dietary levels of minerals, dietary levels of vitamins, detecting vitamin nutritional status, novel raw materials in fishfeed, minimising anti-nutrients, skeletal anomaly evaluation, conditioning for novel feeds, biomass estimation, fish length estimation, FEEDEST, European Sea Bream, European Sea Bass
Instructors	ULPGC, CSIC, HCMR, SINTEF, SPAROS
Target Audience	Fish farmers, students/researchers interested in aquaculture nutrition, feed formulators and producers and aquaculture veterinarians.
Location	Online, an invitation to join the session will be sent to registrants.
Date and Time	June 21-22, 2022. 09.15-16.00 CEST
Registration deadline	20 June 2022. **Register here: forms.gle/D9Z1TiS394nySF4C6**
Fees	Attendance is free of charge as these sessions are organised by PerformFISH
Language	English

Day 1: Threshold of nutritional quality of feeds

Time CEST	Session	Speaker
9.15	Welcome Session	Daniel Montero (ULPGC)
9.30	Recommended dietary levels of minerals for sea bream	David Dominguez (ULPGC)
10.00	Recommended dietary levels of vitamins for sea bream	David Dominguez (ULPGC)
10.30	Altered patterns of intestinal gene expression by vitamin nutritional status in sea bream	Jaume Pérez-Sánchez (CSIC) Josep Calduch-Giner (CSIC)
11.00	*Coffee break*	
11.30	Recommended dietary levels of minerals for sea bass	Eleni Foudoulaki (HCMR) Ioannis Nengas (HCMR)
12.00	Question and Answer Session I	
12.30	*Lunch*	
14.00	Novel raw materials in commercial diets for seabream	Marta Carvalho (ULPGC)
14.30	Novel raw materials in commercial diets for seabass	Eleni Foudoulaki (HCMR)
15.00	Is it possible to minimizing the negative effects of antinutrients in plant-based diets for European sea bass juveniles?	Henry Morgane (HCMR) Fountoulaki Eleni (HCMR)
15.30	Question and Answer Session II	
16:00	Training End	

Day 2: Tools to improve feeding and husbandry

Time CEST	Session	Speaker
9.30	Conditioning of Farmed Species to Novel Feeds to Improve Feed Utilisation, Growth and Fish Health	Serhat Turkmen (ULPGC)
10.00	Evaluation of skeleton anomalies in Mediterranean fish	David Dominguez (ULPGC)
10.30	Question and Answer Session III	
11.00	*Coffee break*	
11.30	Development of an Accurate System for Biomass and Fish length Estimation	Nikos Papandroulakis (HCMR) Christian Schellewald (SINTEF)
12.00	Practical cases: Fish length Estimation	Nikos Papandroulakis (HCMR) Dimitris Voskakis (HCMR)
13.00	*Lunch*	
14.00	FEEDEST: a decision support tool for optimal bream and bass feeding	Tomé Silva (SPAROS)
14.30	Practical cases: Use of FEEDEST integrated with a prediction tool for Aquafeed benchmarking	Ana Nobre (SPAROS)
15.00	Current challenges on aquaculture farms	Juan Fernández Aldana (APROMAR)
15.20	Concluding remarks	Daniel Montero (ULPGC)

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