



AQUACULTURE SUMMER SCHOOL

AGER 4F
ALGHERO, PORTO CONTE RICERCHE
24TH - 28TH JUNE 2019

TRAINING PROGRAM

MODULE 1

Introductory part: Modern intensive aquaculture
merging technologies in aquaculture
The hygienic-sanitary problems: challenges and perspectives
Nutritional issues: new directions for intensive aquaculture
The fish market: structure and trends

MODULE 2

Fish Nutrition and Quality
Amino acids: needs and analysis systems
Alternative protein sources and functional feeds
Iatrogenic food disorders
Analytical parameters that define the quality of the bred fish product
Objective and perceived quality
Advanced methods for the study of nutritional wellbeing

MODULE 3

Sustainability of aquaculture
Environmental sustainability of aquaculture
Role of aquatic microbiota in fish farming
Fish nutrition and environmental pollution
Sustainable management of aquaculture enterprises

MODULE 4

Aquaculture and emerging societal challenges
Communication in aquaculture: the example of the AGER 4F project
Antibiotic-resistance in aquaculture
The problem of microplastics
Towards the control of the intestinal microbiota?

MODULE 5

From research to business
Industry Seminars
Laboratory activities
Tour to the farms
Speed sparring of the students