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# *Certificate*

This is to certify that

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from the

**Sumy National Agrarian University (Ukraine)**

participated in the training at  
**University of Dubrovnik (Croatia)**

within the framework of the

**AFISHE**

**“Development of Aquaculture and Fisheries Education for Green Deal in  
Armenia and Ukraine: from education to ecology”**

**Erasmus+ CBHE project on 26.02.2024 – 08.03.2024.**

**Associate Professor Marijana Pećarević,  
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**AFISHE project coordinator  
Head of International Relations Department  
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**08 March 2024**



# Topics of the training

## Diversification of Fish Farming

### **THEORETICAL TOPICS**

- 1) Overview of course content**
- 2) DIVERSIFICATION OF FISH FARMING AND CRITERIA FOR CHOOSING NEW SPECIES**
- 3) OVERVIEW OF CURRENT FARMING AND HATCHERY TECHNOLOGY THAT CAN BE USED FOR INTRODUCTION OF NEW SPECIES**
- 4) ISSUES WITH REPRODUCTION, QUALITY OF OFFSPRING AND LARVICULTURE OF FISH NEW TO AQUACULTURE**
- 5) ISSUES OF FEEDING FISH NEW TO AQUACULTURE**
- 6) STATUS OF RESEARCH INTO NEW SPECIES AND INTRODUCTION TO COMMERCIAL PRODUCTION**
- 7) DIVERSIFICATION WITH FISH FROM FAMILY SCOMBRIDAE AND CORYPHAENIDAE**
- 8) DIVERSIFICATION WITH FISH FROM FAMILY CARANGIDAE**
- 9) DIVERSIFICATION WITH FISH FROM FAMILY SCIAENIDAE**
- 10) DIVERSIFICATION WITH FISH FROM FAMILY SERRANIDAE AND POLYPRIONIDAE**
- 11) DIVERSIFICATION WITH FISH FROM FAMILY SPARIDAE**
- 12) DIVERSIFICATION WITH FISH FROM MUGILIDAE AND ANGUILLIDAE**
- 13) DIVERSIFICATION OF FLATFISH (PLEURONECTIFORMES) PRODUCTION**
- 14) DIVERSIFICATION OF PRODUCTION WITH OTHER FISH SPECIES**

### **PRACTICAL CLASSES AND ACTIVITIES:**

- Laboratory experiments: setting up a controlled greenwater system and maturing a simple mesocosm system**
- Practical work: Designing an experiment with live fish in controlled systems (feeding experiment)**
- Visit to external institutions: fish farm, seafood market, public aquarium**