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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.

The training is 90 hours and 3 credits.

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PhD

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Vice-Rector for International Relations and
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University of Dubrovnik

AFISHE project coordinator
Head of International Relations Department
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08 March 2024



Topics of the training

Diversification of Shellfish Farming

THEORETICAL TOPICS

1) INTRODUCTION

- a) Introduction to bivalve farming; general concepts and definitions
- b) Program forming, topics covered, justification of the chronological order of the listed topics
- c) Human resources, facilities and equipment to support teaching and research
- d) Literature
- e) Internet and other teaching materials
- f) Visits and practical exercises

2) BIVALVES BIOLOGY

- a) Morphology and anatomy
- b) Filtration and feeding
- c) Respiration
- d) Circulation, excretion, osmoregulation
- e) Reproduction and offspring
- f) Growth

g) Ecology, taxonomy and systematics

3) BIVALVE ECOSYSTEM SERVICES - NATURAL POPULATIONS: POPULATION DYNAMICS AND MANAGEMENT

4) BIVALVE CULTURE BASICS (4 h)

- a) Introduction to methodology
- b) Overview of current bivalve farming practices
- c) Seed supply

5) SITE SELECTION CRITERIA

- a) Water quality
- b) Physical and chemical factors
- c) Biological factors
- d) Economic and legal factors

6) DISEASES AND PARASITES

7) PREDATION

8) PUBLIC HEALTH

9) CARRYING CAPACITY FOR SUSTAINABLE BIVALVE FARMING

10) FARMING IN THE MEDITERRANEAN AND WORLDWIDE

PRACTICAL CLASSES AND ACTIVITIES:

- Laboratory: bivalve determination and dissection
- Visit to a bivalve farm and hatchery- overview of farming methods
- Visits to aquarium and natural history museum