



Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE
FACULTY OF VETERINARY MEDICINE - SKOPJE

BOOK OF ABSTRACTS

**“Days Of Veterinary Medicine”
10th International Scientific Meeting
and
2nd European Conference on
Veterinary and Medical Education 2024**

22-25 September 2024,
Republic of North Macedonia

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P15**BIOSECURITY FOR BETTER AQUACULTURE**

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Ensuring biosecurity in aquaculture is crucial for improving the health, sustainability, and productivity of aquatic farming systems. COSTBETTER investigates comprehensive biosecurity measures and their impact on enhancing aquaculture practices. Effective biosecurity in aquaculture prevents the spread of diseases among farmed fish, shellfish, and other aquatic organisms, protecting not only the farmed species but also wild populations. By implementing rigorous biosecurity protocols, farms can minimize the risk of disease outbreaks, reduce economic losses, and promote environmental sustainability. Moreover, biosecurity in aquaculture contributes to food safety and security by ensuring that aquatic products are healthy and free from pathogens, thus supporting the overall growth and resilience of the aquaculture industry. WG1: Mapping Biosecurity Measures Applied on Farms and Transport Across Europe examine how biosecurity measures are implemented across Europe and neighboring countries, with a focus on identifying areas for improvement. This will be particularly important for production systems with lower levels of implementation or where biosecurity is more challenging to enforce. WG2: Scaling-Up the Knowledge and Experience of Stakeholders and the General Public aims to enhance the knowledge and experience of various stakeholders. This effort is crucial, as any training or communication strategies for end-users should be informed not only by scientific evidence but also by an understanding of stakeholder behavior. WG3: Methods for Evaluation of Biosecurity and Benefits of Its Implementation focus on identifying and comparing the existing methods used to evaluate biosecurity. Current methodologies are varied and have not been comprehensively compared. These methods can serve as educational tools, help develop skills in risk-based prioritization, and provide quantitative goals and benchmarks for farms. WG4: Training and Dissemination aims to increase the number of professionals, such as veterinarians and farmers, trained in biosecurity. It will also develop guidelines and best practices for effective communication strategies tailored to different stakeholders. This is a significant challenge due to the current lack of formal education on biosecurity. The World Animal Biosecurity Association (WABA) is currently a project with the goal of formal establishment by the end of 2024. WABA mission is to be a recognized reference on animal biosecurity by promoting the creation and transfer of knowledge, advancing the science and practice of animal infectious disease prevention and control, and enhancing sustainable animal, environmental, and public health.

Keywords: Aquaculture Biosecurity, Pathogen Detection, Disease Management
