



The challenge

Adriatic mariculture provides highly valued fish products for both local and distant markets. This sector can further develop thanks to new available technologies and stronger information for consumers. The sector can offer high qualification job opportunities and boost local economy.

The team

Within **AdriAquaNet** project, **4 industries, 1 consortium** and **6 research laboratories** from both **Italy** and **Croatia** are teaming up to develop and apply technologies for fish farming and marketing. This is the first ever initiative for improving the quality of fish farming and marketing by cooperation between both sides of the Adriatic Sea.

Project Partner 3 – Institute of Oceanography and Fisheries

Activities encompass physical, chemical, geological, biological, fisheries and aquaculture research

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THE TEAM

EXPERTISE

- A
Ivona Mladineo, Dr. Vet. Med., PhD
Team manager, Leader WP4 - R&I to improve health and sustainability in aquaculture → Fish & shellfish pathology, parasitology and histology. Meeting secretary of the European Association of Fish Pathologists.
- B
Ivana Bušelić Garber, MSc. Mar. Biol., PhD
R&D in new feed trials, microbiome analysis, brush border membrane (BBM) enzyme gene expression → Molecular biology, data analyses.
- C
Leon Grubišić, Msc. Aquacult., PhD
R&D in fish growth performance → Aquaculture and fisheries, fishery-based aquaculture, fish reproduction, new species.
- D
Jerko Hrabar, MSc. Mar. Biol., PhD
R&D in gut microbiome and histology → Marine histology, pathohistology, microscopy and molecular biology.



A



B



C



D

THE TEAM

E **Slaven Jožić**, MSc., PhD
R&D in bacterial isolation and identification, testing of probiotic isolates

F **Ivana Lepen Pleič**, MSc., PhD
R&D in fish growth performance, microbiome analysis, brush border membrane (BBM) enzyme gene expression

G **Jasna Maršić Lučić**, MSc., PHD
R&D in chemical analyses of carotenoids and toxicity testing of natural pyrethrins

H **Tanja Šegvić Bubić**, MSc., PhD
R&D in new feed resources and fish growth performance

I **Željka Vuljan**
Financial administrator (job funded by AdriaAquaNet)

L **Iva Žužul**
R&D in fish growth performance (research job funded by AdriaAquaNet)

EXPERTISE

→ EXPERTISE Aquatic microbiology, bacteriology, bacterial identification and assays.

→ EXPERTISE Molecular biology, gene expression analysis.

→ EXPERTISE Fish nutrition, molecular biology.

→ EXPERTISE Fish farming and nutrition, molecular biology.

→ EXPERTISE Financial administration and reporting.

→ EXPERTISE Molecular biology, population genetic analysis.



E



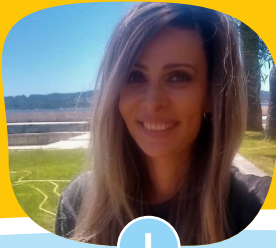
F



G



H



I



L

Roles in AdriaAquaNet

Leader of **WP 4**-fish health

WP 3
Improve environmental sustainability of fish farming

WP 5
Improving quality and marketing of fresh and processed fish

Lab 1 – Histology

Leader: Jerko Hrabar

- Equipped for standard histology, IHC and TEM sample preparation, and microscopy
- Analyses of TEM, IHC and standard histology of fish intestinal tissues



Lab 2 – Microbiology

Leader: Slaven Jozić

- Equipped for isolation, identification of bacteria, flow cytometry and epifluorescence microscopy
- Runs biochemical assays for bacterial identification



Lab 3 – Molecular biology & bioinformatics

Leader: Tanja Šegvić Bubić

- Equipped for isolation, identification of bacteria, flow cytometry and epifluorescence microscopy
- Runs biochemical assays for bacterial identification



PARTNERSHIP

RESEARCH INSTITUTES

- LP** UNIVERSITY OF UDINE
Dept. of Agricultural, Food, Environmental and Animal Sciences
- PP1** CROATIAN VETERINARY INSTITUTE
- PP2** UNIVERSITY OF TRIESTE – Dept. of Life Sciences
- PP3** INSTITUTE OF OCEANOGRAPHY AND FISHERIES
- PP4** ISTITUTO ZOOPROFILATICO SPERIMENTALE DELLE VENEZIE
- PP5** UNIVERSITY OF RIJEKA
Faculty of Tourism and Hospitality Management
- PP6** NATIONAL RESEARCH COUNCIL OF ITALY
Institute of Biomolecular Chemistry (ICB)

CONSORTIUM

- PP7** KLASTER MARIKULTURA

SMEs

- PP8** FRIŠKINA Ltd
- PP9** ITTICA CALDOLI SARL -POGGIO IMPERIALE
- PP10** ORADA ADRIATIC Ltd
- PP11** FRIULTROTA DI PIGHIN Ltd

PRIORITY

Blue Innovation

DURATION

01.01.2019 - 30.06.2022

COORDINATOR

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PP3 SHARE

€ 339.475,00



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European Regional Development Fund

www.italy-croatia.eu/AdriAquaNet