



Algae as a Sustainable Resource
for Food, Health and Industry

10.00 Open

10.05 Welcome. Mr. Conf. PhD. Eng. **Floricele Maricel DIMA**,
General Manager I.D.E.A.P.A Galați, România

10.10 Speech of Mr. Prof. PhD. Eng. **Ioan Jeleu**
President, Academy of Agricultural and Forestry Sciences
"Gheorghe Ionescu-Șișești", România

Speech of Mr. PhD Eng. **Aurel Florentin BADIU**
Vice-President, Academy of Agricultural and Forestry Sciences
"Gheorghe Ionescu-Șișești", România

Speech of Mr. Prof. PhD Eng. **Petru NICULIȚĂ**
President of Section Food Industry, Academy of Agricultural and
Forestry Sciences "Gheorghe Ionescu-Șișești", România

**10.40 Cultivation of *Arthrospira platensis* (Spirulina) Under Black Sea
Conditions**

Oana VLAS¹, Elena-Daniela PANTEA¹, Andreea-Cristina GIGICĂ¹, Florin
TIMOFTE¹

¹National Institute for Marine Research and Development "Grigore Antipa" (NIMRD) Mamaia
Boulevard no. 300, 900581, Constanța, Romania

10.55 **Modifying the Media Composition Can Be an Effective Approach to Achieve Maximum Pigments Production from *Spirulina platensis***

E. Abdalla FOUAD¹, M.A. DARWISH¹, M.A. HASSOUB¹, F.M. DIMA², Alina Nicoleta DOBRE (MACOVEIU)², Ionuț MARCU², Marilena Florentina (LĂCĂTUȘ) HURDUC².

¹The National Research Center, 33 El Buhouth St, Ad Doqi, Dokki, Cairo Governorate 12622, Egypt

² Institute of Research and Development for Aquatic Ecology, Fishing and Aquaculture, Portului Street no 54, 800201, Galati, Romania

11.10 **Nutraceutical and Functional Foods**

Vincenzo LONGO¹, Carla SANDOVAL GUANO², Cristina ECHEVERIA², Luisa POZZO¹

¹Institute of Agricultural Biology and Biotechnology, CNR, Pisa, Italy

²eCIER Research Group, Department of Biotechnology, Universidad Tecnica del Norte, Av. 17 de Julio 5–21 y Gral. Jose Maria Cordova, Ibarra 100150, Ecuador

11.25 **Highland microalgae and cyanobacteria: exploring the biotechnology potential of Andean freshwater ecosystems**

Carla Sandoval GUANO¹, Santiago ZARATE¹, Vincenzo LONGO²

¹eCIER Research Group, Department of Biotechnology, Universidad Tecnica del Norte, Av. 17 de Julio 5–21 y Gral. Jose Maria Cordova, Ibarra 100150, Ecuador

²Institute of Agricultural Biology and Biotechnology, CNR, Pisa, Italy

11.40 **Effects of dietary *Spirulina* on the growth and health status of carp (*Cyprinus carpio*, Linnaeus 1758)**

Ionica BEJENARIU¹, Elena SÎRBU¹, Floricel Maricel DIMA¹, Veta NISTOR¹, Viorica SAVIN¹, Marilena Florentina (LĂCĂTUȘ) HURDUC¹, Anca Nicoleta SĂVESCU (CORDELI)¹

¹ Institute of Research and Development for Aquatic Ecology, Fishing and Aquaculture, Portului Street no 54, 800201, Galati, Romania

11.55 **Valorization of *Posidonia oceanica* residues as sustainable growing media**

Francesca VANNUCCHI^{1,2}, Cristina MACCI^{1,2}, Serena DONI¹, Grazia MASCIANDARO^{1,2}, Eleonora PERUZZI^{1,2}

¹Research Institute on Terrestrial Ecosystems (IRET), National Research Council (CNR), Via Giuseppe Moruzzi 1, 56124 Pisa, Italy

²NBFC, National Biodiversity Future Center, 90133 Palermo, Italy



Second Part

12.30 **Recreational fisheries in Europe and Romania**

Daniela Cristina IBĂNESCU¹, Adina POPESCU¹, Ion VASILEAN¹

¹Dunarea de Jos University of Galati, 111 Domneasca Street, 800201 Galati, Romania

12.45 **Studies of the Relationship Between Algae and Quality of Pond-Reared Fish**

Isabelle METAXA¹, Alina ANTACHE¹, Aurelia NICA¹, Ira-Adeline SIMIONOV¹, Ștefan Mihai PETREA¹.

¹Dunarea de Jos University of Galati, 111 Domneasca Street, 800201 Galati, Romania

13.00 **Selective biological processes: algae cultures used in bioremedial techniques**

Cătălina GHEORGHE¹

¹The Petroleum and Gas University of Ploiești, București Boulevard no. 39, 100680, Ploiești, Romania

13.15 **Biological assessment of water quality and biodiversity in Lake Parches, Tulcea county**

Adina POPESCU¹, Daniela Cristina IBANESCU¹, Ion VASILEAN¹

¹Dunarea de Jos University of Galati, 111 Domneasca Street, 800201 Galati, Romania

13.30 **EX-AQUA project - Macroalgae cultivation along Romania's Black Sea coast**

Oana Alina MARIN¹, Bianca MATA¹, Florin TIMOFTE¹

¹National Institute for Marine Research and Development "Grigore Antipa", 300 Mamaia Blvd., RO -900591, Constanta, Romania

13.45 **Research on optimising methods for combating cyanobacteria in fish ponds**

Silvia RADU¹, Nicoleta Georgeta DOBROTĂ¹, Mioara COSTACHE¹, Nino MARICA¹, Gheorghe DOBROTĂ¹, Mădălina Georgiana DELIU¹, Mariana ARCADE¹, Marinela GANCEA¹, Constantin Alin BARBU¹, Georgeta ENE¹, Sorin Marian DRĂGUȚ¹

¹Research and Development Station for Fisheries Nucet, loc. Nucet, Principală Street, no. 549, Dâmbovită county, Romania

14.00 **Algae from waste to sustainable vineyard resource**

Mihai TUDOR¹, Gabriel TABARANU¹, Mihai VINTILĂ², Dana-Ionela FERTU³

¹Station of Research and Development for Viticulture and Winemaking Tg. Bujor, Gral Eremia Grigorescu Street, no. 65, Tg. Bujor town, Galati county, 805200, Romania

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³Dunarea de Jos University of Galati, Faculty of Medicine and Pharmacy, Department of Pharmaceutical Sciences, 111 Domneasca Street, 800201 Galati, Romania

14.15 **Influence of nitrogen concentrations on biomass accumulation in *Spirulina (Arthrospira platensis)* cultivated in a photobioreactor**

Alina Nicoleta DOBRE (MACOVEIU)¹, Floricel Maricel DIMA¹, Magdalena TENCIU¹, Viorica SAVIN¹, Florentina Marilena (LĂCĂTUȘ) HURDUC¹, Adina NISIP¹

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14.30 **Debate, End session**

