



AquaFarm, algae as big co-stars

The cultivation and use of the natural resources of microalgae and macroalgae constitutes the third pillar of the issues treated at AquaFarm in Pordenone Fiere on 26th and 27th January

Milano / Pordenone 28 December 2016. The second day of AquaFarm, Friday, 27th January, will be devoted to algae: the conferences will discuss the most current and innovative themes of algae farming and the potentialities that micro-algae and macro-algae use can offer in the most different areas.

Algae, as well as aquaculture and vertical farming, can boost the economic and social revival of our country. It is necessary that the awareness spread among those who have the opportunity to support these areas, too often considered as marginal. This is also the aim of AquaFarm.

The four sessions devoted to algae will be coordinated and moderated by Professor Mario Tredici, vice president of EABA - European Algae Biomass Association. The morning will begin with **Algae cultivation and technology: the state of the art**. Introduced by an overview at European level, the session will explore new methods of cultivation, the underlying technologies, including photobioreactors, and functional applications of microalgae in architecture. Moreover, in an event dedicated primarily to aquaculture, an in-depth analysis of the manufacturing of feed components derived from algae is a must. After twenty years of research and experimentation aimed at reducing the use of ocean resources, we have perhaps arrived at a turning point.

The second session, **Algae for animal and human nutrition: necessity, fashion, convenience?** will go beyond the mere "fashion" of consuming algae in the kitchen, trying to understand the contribution these simple organisms can give as a stable component of the food landscape, used as supplements and ingredients for more nutritious and healthy foods.

Today the major industrial applications of algae are to be found in chemistry and cosmetics and it is to these two issues that the afternoon sessions of 27th



January will be devoted.

Within **Algochimica: applications in energy, waste treatment field and beyond**, some university researchers will present three European projects with particularly innovative and potentially revolutionary objectives. Other treated issues will be the use of algae for wastewater treatment, for hydrogen production, CO2 capture and the production of bio-fertilizers and bio-stimulants (which is in effect on the industrial stage).

The concluding session **Seaweed makes you healthy and beautiful** will treat about the microalgae and macroalgae used in cosmetics and nutraceuticals, i.e. those medicated foods for groups of people with rare diseases. The use of algae is also spreading to the pharmaceutical industry, with new bioactive molecules and, ultimately, with active ingredients for antibiotics, antivirals and beyond. The session will present the latest research currently underway in Italy and anticipate some issues that we will find in Estetica Show, on late November 2017, in Pordenone Fiere, too.

The 2017 AquaFarm conference program is available and constantly updated in the Program section of the web site www.aquafarm.show, where you can also sign up for the free participation.

For more information

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