TRADE SHOW PARTICIPANTS

www.algalbio.co.jp

algal bio

Algal Bio

Algal Bio is a R&D-oriented startup company, dedicated to unleashing the potential of microalgae with the mission of “Cultivating Algae's Potential for a Better Future”.

They are building the most advanced microalgae bio-foundry platform in the world. Their platform is based on the results of more than 20 years of microalgae research at the University of Tokyo. It consists of a proprietary microalgae library that accumulates culture data on 1,260 strains of 100 species, as well as breeding and selection technologies for each microalgae, know-how for optimizing culture conditions, and a pilot plant for scale-up studies.

Their platform will provide the clients with the best possible microalgae for their needs in the shortest possible time. By leveraging their algae bio-foundry platform, they collaborate with a diverse range of companies to bring new algae-derived products and solutions to market. These innovations address critical global challenges, including human health, sustainable food supply, and climate change.

www.algoliner.de

algoliner

Algoliner

Algoliner is a turnkey supplier for photobioreactors in any dimensions. Their lab reactors have volumes between 1 litre and 1,000 litres while their large scale have no limits.

With their unique production method, they produce the pipes for the large-scale reactors on site in any required length. Hence no packaging, transport and re-assembly with joints is necessary.

Algoliner is the only producer of photobioreactors with aseptically flanges.

The required raw material for our reactors is only 40% of those of common systems, while the pipes can be easily recycled by 100%

Algoliner realized in the meantime many reactors in different sizes and concepts.

TRADE SHOW PARTICIPANTS

www.amafiltration.com

www.pcimembranes.com

Amafilter® and PCI Membranes® - Filtration Group

Amafilter® and PCI Membranes®: Over 100 years of expertise in filtration

Amafilter® and PCI Membranes®, part of Filtration Group, bring over 100 years of combined expertise in advanced filtration technology. Their collaboration merges Amafilter®'s renowned cake filtration systems with PCI Membranes®' industry-leading crossflow membrane technology, creating a unique capability to address the full spectrum of liquid process challenges - with a particular focus on algae applications.

Algae in water and wastewater presents both challenges and opportunities. Whether the goal is removal of algae in drinking water or leveraging algae-based treatment for nutrient recovery or algae harvesting, their technologies provide practical, sustainable solutions:

Amafilter® offers robust solid-liquid filtration systems - including pressure leaf filter systems, the Cricketfilter® automated system, and cartridge and bag filter housings - designed to handle high solids and viscous fluids. These systems ensure consistent clarity and stable operation, even in complex biological streams.
PCI Membranes® portfolio includes Microfiltration (MF) and Ultrafiltration (UF) systems that efficiently remove algae cells and suspended solids, purify and concentrate the harvested algae solution or integrate with algae-based bioreactors for nutrient removal and water reuse. Acting as a physical barrier without chemical disinfectants, our membranes deliver high-quality effluent and facilitate the production of algae-based products, reduce fouling, and lower operational costs.
Together, Amafilter® and PCI Membranes® offer complete algae management solutions - from removal to resource recovery - helping operators achieve reliable, sustainable, and environmentally responsible processes.

They are committed to sharing their expertise with the algae community, providing insights and solutions that make water treatment processes more efficient, sustainable, and profitable, making our world safer, healthier and more productive®.

TRADE SHOW PARTICIPANTS

www.brightwavellc.com

BrightWave

BrightWave specializes in the design and sale of indoor, industrial-scale photobioreactors (PBRs). They enable the co-location of feedstock production and manufacturing, helping organizations build more sustainable, resilient, and efficient supply chains.

BrightWave's patented PBRs use in-water grow lights to scale algae cultivation vertically and maximize production within a minimal footprint. The self-cleaning design reduces downtime and increases overall productivity.

BrightWave has also launched a joint venture, BrightCharm Proving Ground, to help companies scale algae-based innovations - providing a pathway from pilot testing to commercial production and accelerating product development across the biomanufacturing value chain.

The company's PBRs are already deployed across sectors like food & feed, pharmaceuticals and nutraceuticals, biomaterials, fuels and wastewater treatment.

BrightWave is pleased to be a returning sponsor.

www.celldeg.com

CellDEG

CellDEG GmbH is a Berlin-based biotech company that specializes in ultra-high-density cultivation systems for microalgae. Our patented technology utilizes thin-layer photobioreactors that integrate highly efficient membrane-mediated CO_2 supply with optimal light intensities and nutrient-enriched HD-media. This innovative approach enables us to achieve cell densities exceeding 30 g DW per liter and productivities of up to 10 g DW per liter and day, fully photoautotrophically, using numerous established model strains.

Designed for axenic cultivation, CellDEG's systems are suitable to both research and industrial applications. Our versatile control unit allows for the use of interchangeable cultivation platforms, ranging from 45x 10 ml through 9x 100 ml up to 1x 4000 ml, significantly reducing both time and costs while enhancing flexibility. These systems effectively eliminate CO_2limitations at high densities under strong light, facilitate efficient oxygen removal, and minimize water vapor loss, positioning them as the ideal choice for rapid microalgae bioproduction.

Committed to delivering standardized, high-performance solutions, CellDEG serves institutions and biomass producers around the globe.

TRADE SHOW PARTICIPANTS

www.dlg-benelux.com

DLG Benelux

DLG Benelux is part of DLG International: the leading German consulting company of the DLG group for the Agribusiness and Food Industry offering international expertise in setting up trade fairs and providing project management and consultancy services - national and international. It is organiser of numerous annual specialist exhibitions abroad.

DLG International is part of DLG e.V. the German Agriculture Society.

DLG Benelux supports the activities of the DLG Group and organizes its own activities in specific areas with specific partners. DLG Benelux is organiser of PotatoEurope in The Netherlands, the International Seaweed Conference Seagriculture EU, Seagriculture USA and the AlgaEurope Conference, which is being organized in cooperation with the European Algae Biomass Association (EABA).

www.eaba-association.org

EABA

The general objective of the European Algae Biomass Association (EABA) is to promote mutual interchange and cooperation in the field of biomass production and use, including biofuel uses and all other utilisations. It aims at creating, developing, and maintaining solidarity and links between its Members and at defending their interests at the European and international levels. Its main target is to act as a catalyst for fostering synergies among scientists, industrialists, and decision-makers in order to promote the development of research, technology, and industrial capacities in the field of Algae.

In this perspective EABA intends to constitute a basis for:
- Establishing a permanent liaison with EU and EU Member States' Institutions.
- Defining and expressing a common position on EU issues (legislation, product specifications, trade and sustainability standards, etc.), acting as a technology-neutral platform.
- Representing the European biomass industry and the scientific community at the international level.
- Spreading scientific information and knowledge about biomass and biofuels production.
- Making research and industry alive in public debate.
- Promoting investment and financial support in the field of Algae.
- Helping the structuring and planning of research and industrial development on Algae.
- Fostering scientific freedom as well as responsibility.
- Studying all economic and technical problems which may impact the sector in the European Union and related countries and studying all the direct and indirect environmental, social and economic effects of production and use.
- Breaking scientific boundaries on Algae.
- Promoting the exchange of scientific information and the publication of sound articles.
-Below is a complete summary detailing the draft scope, objectives, and the main draft structure of the EABA.

TRADE SHOW PARTICIPANTS

www.eurofinsfoodtesting.nl

Eurofins Food, Feed, Water Benelux

Eurofins Food, Feed, Water Benelux is a leading provider of analytical services, dedicated to ensuring food and water safety across the supply chain. With over 700 employees and 12 specialized laboratories in the Benelux region, we support producers, retailers, and regulators with reliable insights into product quality, origin, and compliance. As part of the global Eurofins network - spanning 950 laboratories and 65,000 experts in 60 countries - we combine deep local expertise with international reach. Since 1987, our focus on innovation, regulatory support, and chain management has made us a trusted partner in safeguarding public health and sustainability.

www.gicon-consult.de

GICON

The GICON® Group is a group of international, independently operating engineering service providers. Sustainability in the handling of resources, in the use of energy and in the extraction of raw materials as well as a responsible approach to risks in favour of a clean environment and a society worth living in - both today and in the future - these are the guidelines that guide their daily work and this is how they understand their service to their customers.

GICON® was founded in 1994 and is an owner-managed engineering office with its headquarters in Dresden, Germany. More than 500 employees work in more than 30 departments in several branches in Germany and worldwide.

Innovation through research is a GICON® trademark. Both as a service provider for their customers and for the further development of the company, they research and develop new processes, products and services. To this end, they have created an extensive network of cooperative relationships with leading research institutions.

GICON® engineers have planned a broad variety of photobioreactor plants ranging from R&D to commercial sized systems for 25 years using their detailed expertise in plant design, approval planning, process engineering, biotechnology, biology and bioenergy systems. As one of its main R&D areas, GICON® is active in several projects to further develop microalgae-based technology solutions.

TRADE SHOW PARTICIPANTS

www.greencolab.com

GreenCoLab
Joining the pieces in algal biotechnology.

GreenCoLab

GreenCoLab is a private collaborative non-profit research & innovation organization addressing academia and industry needs on the valorization of micro- and macroalgae. They provide specialized services tailored to the requirements of the algae-based industry and academia.

Their comprehensive Service Platforms cover fundamental research and applied solutions, including chemical analysis, biological activities, molecular biology, biorefinery, sustainability and contract research. Their laboratories are equipped with state-of-the-art technology, enabling them to achieve high precision and data quality in their analyses. With extensive knowledge of extraction and detection techniques for algal-typical compounds, they ensure the accurate identification and quantification of targeted molecules and compounds.

Whether you require support for cultivation, processing, or product prototype development, their dedicated research groups offer customized contract research solutions to meet your unique specifications.

www.holodetect.com

HOLO DETECT

HOLODETECT

Holodetect Instruments is a technology-driven company specializing in advanced inline monitoring solutions for algae cultivation and bioprocessing. We develop and manufacture digital holographic and fluorescence microscopes combined with AI-enabled analytics to help operators see and act on their processes in real-time. Our systems deliver continuous, label-free imaging of microorganisms in flow, with optional fluorescence channels for species-specific detection. Using our Quick AI Trainer (QAIT), customers can rapidly adapt models to their own strains and processes, ensuring high accuracy in diverse conditions. Holodetect's instruments enable higher productivity, fewer contamination losses, and optimized resource use in photobioreactors, fermenters, and water utilities.

TRADE SHOW PARTICIPANTS

www.walz.com

Heinz Walz GmbH

Innovation and tradition are the driving forces that have made Heinz Walz GmbH one of the world's leading producers of advanced photosynthesis measuring systems. Our product line includes the well-known PAM chlorophyll fluorometers, light measuring equipment, and gas-exchange systems for physiological and ecophysiological research.

Researchers working with algae and aquatic photosynthetic organisms rely on Walz equipment. These systems provide detailed insights into the influence of environmental conditions, stress responses, and the nutrient status of microalgae, macroalgae, and cyanobacteria by analyzing photosynthetic performance, thereby supporting cutting-edge research in the fields of algae physiology, bioenergy, and biotechnology.

With over 6,000 publications citing Walz's fluorometric methods, the scientific relevance and validation in phycology and cyanobacteria research are well established. To meet the evolving needs of research and industry, Walz offers various systems and custom-tailored solutions – from long-term outdoor monitoring to high-throughput screening and system integration.

Close collaboration with leading scientists continues to inspire innovation. Since its founding in 1972, Walz has upheld a strong tradition of excellence in product quality and service.

www.industrialplankton.com

Industrial Plankton

Founded in 2010, Industrial Plankton Inc. designs and manufactures turnkey bioreactors

Their technology is optimized for reliability, ease of use, and biosecurity. Customers operate their photobioreactors in 32 countries around the globe. Their equipment is highly automated, increasing reliability and saving operators countless hours. The result is trustworthy equipment capable of easily and reliably producing biosecure, algae.

TRADE SHOW PARTICIPANTS

www.lgem.com

LGEM

Lgem offers reliable systems for cultivating any algae at any scale. With over 16 years of experience with autotrophic algae, Lgem provides a solid basis of knowledge, skills, technology, and R&D.

Lgem's iconic two-phase PBR solutions have increased productivity and deliver stable algae production at lower operational costs. Lgem's patented PBR systems are automated, fully integrated, and industry 4.0-ready. Lgem's PBRs range from 20 litres to >1.000.000 litres.

At Lgem, investment risk reduction is a crucial success factor for its clients. The AlgaeHUB facility (>20 FTE, 7.000 m2 with >10 production units available) allows customers to optimise and validate their business case on an industrial scale before making significant investments.

Currently, Lgem works for both established and new innovative food companies and the feed, pharma, and cosmetic industries. Lgem can successfully cultivate more than ten different microalgae strains, including some of the most fragile species/variants.

www.photanol.com

Photanol

Photanol is pioneering the development of engineered cyanobacteria (blue-green algae) for the sustainable production of high-value chemicals directly from CO_2 and sunlight.

TRADE SHOW PARTICIPANTS

www.psi.cz

PHOTON SYSTEMS INSTRUMENTS

PSI (Photon Systems Instruments)

PSI (Photon Systems Instruments) is the world leader in development and manufacturing of cutting-edge instrumentation for imaging and monitoring of biological signals in plants and algae for more than 25 years. They were the first company to offer a chlorophyll fluorescence imaging system, and we remain at the forefront of technology for monitoring growth and physiological activity in samples that range from individual cells to large crop and tree species. Their products are used all over the world, at universities, research institutions and biotech industries as well. They are used in terrestrial and aquatic environments, in the laboratory and in the field, from the tropics to the high Arctic.

The quality of their products is impeccable. In 2017, the founder of PSI, Mr. Martin Trtílek, won the EY Technical Businessman of the Year, reflecting the success of PSI on the world stage, and the prestige in which the company is held by its clients. In addition to providing instrumentation, they offer dependable, and timely, worldwide support through our offices in Europe, Australia and North America.

Currently, PSI portfolio includes complete assortment for algal bio-technology from precise small and large scale photobioreactors and other cultivators, through a range of hand-held and bench-top devices for chlorophyll fluorescence detection and imaging, to fully automated phenotyping stations based on microplates and Petri dishes.

Please visit their website www.psi.cz for more information, and do not hesitate to contact them with any questions. Or visit them in Drásov, Brno region. They look forward to seeing you!

www.schott.com

SCHOTT

SCHOTT

SCHOTT is a global manufacturer of high-tech materials based on specialty glass. With pioneering spirit and passion, our experts are always opening up new markets and applications for 140 years. SCHOTT's Business Unit Tubing is one of the world's leading manufacturers of glass tubing, rods and profiles. SCHOTT Tubing provides customized products and services for international growth markets such as pharmaceuticals and electronics as well as industrial and environmental engineering, like photobioreactors (PBR). With DURAN® borosilicate glass tubing, U-bends and food-grade couplings, the BU Tubing provides ideal materials for algae cultivation in PBR systems: Smooth interior surfaces are easy to clean, protect against biocontamination and ensure food grade algae quality. With a lifetime of over 50 years and a consistently high light transmission, glass offers a cost effective and productive solution.

TRADE SHOW PARTICIPANTS

www.ufraction8.com

uFraction8

uFraction8 develops microfluidics-based filter systems as a solution to help bio-manufacturers to harvest their products with energy-efficient and scalable bioprocessing systems. This approach of using hydrodynamic phenomena as a new mechanism of filtration can outcompete conventional filters and centrifuges in key areas. uFraction8 follows BioTech and CleanTech trends and focuses on simplifying industrial processes that use cell cultures for the production of food, bio-pharmaceuticals and other bio-based products and chemicals.

uFraction8 is a multi-award-winning company recognised for the innovative technology and highly capable team. Awards have come from prestigious international organizations leading the development of new technologies and impactful research such as Horizon 2020, InnovateUK, European Innovation Council, Nature Publications, The Royal Society of Edinburgh and The institute of Chemical Engineers amongst many others.

uFraction8 has a vision to enable the global transition to sustainable bio-based manufacture to help feed, mobilise and maintain the health of people and ecosystems for the security of our future. To achieve this, uFraction8 will aim to build the most efficient and scalable filtration solutions that have ever existed to solve the problems with harvesting and processing microbial cell cultures, particularly for biopharmaceutical applications. After achieving this, further development and research will explore new applications where microfluidics at scale can solve industrial challenges, such as those in the field of flow chemistry and eliminating microplastics and other areas of waste and resource management.

TRADE SHOW PARTICIPANTS

www.variconaqua.com

Varicon Aqua

Varicon Aqua is the manufacturer of the Phyco-™ range of photobioreactors and the Cell-Hi line of algal nutrients. They are based in the UK and their team has more than 30 years' experience designing, constructing and deploying algal photobioreactors, high rate algal ponds and aquaculture production systems worldwide. All Varicon Aqua products are built to the highest specifications using high throughput precision manufacturing processes. They combine this manufacturing experience with strong supply chain relationships, giving a systems wide understanding of both the equipment and production processes. This unique experience gives them a competitive advantage during client engagement and project specification, allowing them to provide bespoke photobioreactor and cultivation systems for a wide range of applications. They pride themselves on the ability to support the client from conception through to commissioning and exploitation, an ability founded on a clear understanding of the interplay between the needs of the organism and their engineered solutions.

To date they have deployed over 290 photobioreactor systems across the globe, ranging in scale from 5 L to 400,000 L. All Varicon Aqua systems are built to high specifications using precision manufacturing processes. Prominent products include their serpentine Phyco-Flow™ and Phyco-Pond systems, which are often deployed in pilot or commercial production environments. Newer reactors include their vertical column photobioreactors, the Phyco-Lift and Phyco-Bubble; as well as their Eco-range of systems, which encapsulate both high rate algal ponds and column designs. In addition to their photobioreactor systems they also specialise in providing the auxiliary equipment necessary for running a successful algal production facility. This includes equipment for process monitoring and control, as well as LED solutions and the apparatus required for downstream processing. Furthermore, they supply a broad range of specialised Cell-Hi algae nutrient and culture media as well as concentrates, aquaculture feeds and water treatments.

www.zionbio.com

ZionBio

ZionBio is a national high-tech company focused on microalgae-based health products, including Chlorella powder, Euglena powder, Haematococcus pluvialis powder, and their derivatives like paramylon and astaxanthin.

The company has moved from traditional open-pond cultivation to industrialized production. It now uses fully enclosed 316L stainless steel fermenters for heterotrophic cultivation, which ensures products with very low levels of microorganisms and heavy metals.

ZionBio produces nearly 1,000 tons per year of its core microalgae products. It is the largest producers of eukaryotic microalgae in the world.

The products are certified under HACCP, FSSC22000, Halal, Kosher, EU Organic, USDA Organic, and Canada Organic standards.