

LET'S SAVE THE WORLD

INTERNATIONAL
WORKSHOP ON
TECHNOLOGY
INNOVATION OF
ALGAE

IRAN 2021
ALGAE

INAC Iranian National
Algae Culture
Collection



University of
TEHRAN



Iranian Fisheries Science
Research Institute

DAY 1

Novel Cultivation and General View



DAVID RAMJOHN

DIRECTOR OF ALGAE BIOMASS ORGANIZATION
CEO ALGETERNAL GLOBAL HEAD OF SUSTAINABILITY
AT KINDEARTH.TECH
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**ALGAE PAST, PRESENT, AND FUTURE:
HARNESSING THE PLANET'S PRIMARY PRODUCERS**



FRANCISCO GABRIEL ACIEN FERNANDEZ

PROFESSOR CHEMICAL ENGINEERING,
UNIVERSITY OF ALMERÍA,
SPAIN

**SABANA PROJECT: DEMONSTRATING THE APPLICATION
OF MICROALGAE IN AGRICULTURE AND AQUACULTURE**

DAY 1

Novel Cultivation and General View



BÉLA FERENC TÓZSÉR

GENERAL AND ENGINEERING DIRECTOR OF
ENVIROSAN DC&ENVIHORIZONT LLC,
HUNGARY

**NOVEL ENGINEERING OPORTUNITIES RELATED TO
NOCOVID INDUSTRIAL ALGAE COMPLEXES**



MÁTE RAVASZ

MOLECULAR BIOLOGIST, DATA ANALYST, ENTREPRENEUR,
FOUNDER AND CEO OF ALGACRAFT LTD.,
BIOINFORMATICIAN FIOS GENOMICS,
UK

**CULTIVATING MICROALGAE IN CLOSED SYSTEMS FOR
FUTURE SPACE MISSIONS**



LUISA GOUVEIA

SENIOR RESEARCHER AT LNEG - UBB,
PORTUGAL

TINY MICROALGAE TO FIGHT HUGE CHALLENGES

DAY 1

Novel Cultivation and General View



ARDELEAN ANA VALENTINA

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ROMANIAN ACADEMY, ROMANIA

**BIOTECHNOLOGICAL POTENTIAL OF PHOTOSYNTHETIC
MICROORGANISMS (CYANOBACTERIA AND MICROALGAE)**



FARSHID PAJOUN SHARIATI

ASSISTANT PROFESSOR AT SCIENCE AND RESEARCH
BRANCH, IAU, IRAN

**CURRENT STATUS, FUTURE DEVELOPMENTS ON
PHOTOBIOREACTORS**



REZA RANJBAR

HEAD OF TECHNOLOGY-BIOTECHNOLOGY BU, CENTRE FOR
PROCESS INNOVATION(CPI),
UK

**HETEROTROPHIC GROWTH OF MICROALGAE-
A PRODUCTIVE AND COST EFFICIENT ROUTE**



DAY 2

Health Application



MAURO PAVAO

PROFESSOR AND SCIENTIST AT UFRJ.
ACADEMIC EDITOR AT PLOS ONE. SPECIAL
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ALGAE IN BIOMEDICINE AND PHARMACEUTICALS



MATTEO BALLOTTARI

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DEPARTMENT OF BIOTECHNOLOGY
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**NOVEL BIOTECHNOLOGICAL APPROACHES TO PRODUCE
KETOCAROTENOIDS IN MICROALGAE**

DAY 2

Health Application



JULIE A. Z. ZEDLER

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PHOTOSYNTHETIC ORGANISMS AT FRIEDRICH SCHILLER
UNIVERSITY JENA, GERMANY

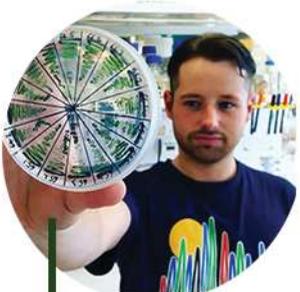
**TOWARDS SUSTAINABLE BIOTECHNOLOGY – REVEALING
THE TRUE COLORS OF CYANOBACTERIA**



DAVID A. RUSSO

ALEXANDER VON HUMBOLDT POSTDOCTORAL
RESEARCHER, BIOORGANIC ANALYTICS,
FRIEDRICH SCHILLER UNIVERSITY JENA, GERMANY

**EXPLORING CYANOBACTERIAL SECRETION FOR ECOLOGY
AND BIOTECHNOLOGY**



HARRY JACKSON

RESEARCH ASSOCIATE AT
LCOLLEGE LONDON (UCL), UK

**HARNESSING THE POTENTIAL OF THE ALGAL
CHLOROPLAST WITH SYNTHETIC BIOLOGY**

DAY 2

Health Application



LISA SCHÜLER

RESEARCHER AT CENTRE OF
MARINE SCIENCES (CCMAR). PORTUGAL

**STRATEGIES TO ENHANCE PIGMENT PRODUCTION IN
MICROALGAE AND THEIR APPLICATIONS**



SONIA MOHAMADNIA

POSTDOCTORAL RESEARCHER, SCHOOL OF
CHEMICAL ENGINEERING, UNIVERSITY OF TEHRAN,
IRAN

**ALGAE IN COSMETICS; RECENTLY APPROACHES FOR THE
APPLYING OF PIGMENTS**



AMBIKA H. D.

SUBAERIAL ALGAE SPECIALIST, ALGAL ECOLOGIST,
TAXONOMY & CULTURING OF ALGAE, GERMANY

ALGAE IN COSMETICS

DAY 3

Industrial Application



OMID TAVAKOLI

ASSISTANT PROFESSOR AT UNIVERSITY OF TEHRAN,
CEO OF IRANIAN NATIONAL ALGAE CULTURE COLLECTION
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**DEVELOPMENT A BIOECONOMY MODEL BASED ON THE
GREAT POTENTIAL OF ALGAE IN VARIOUS FIELDS**



ROBERT REINHARDT

CEO OF ALGEN, ALGAL TECHNOLOGY CENTRE,
SLOVENIA.

**OVERVIEW OF ANAEROBIC DIGESTION TECHNOLOGIES AND
ROLE ALGAE CAN PLAY IN CONNECTION WITH AD IN
NUTRIENT AND ENERGY RECOVERY FROM WASTE STREAMS**

DAY 3

Industrial Application



CLAUDIO LEDDA

DIRECTOR OF RESEARCH & INNOVATION AND
BOARD MEMBER, LIVEGREEN, ITALY

**IMPROVEMENT IN ORGANIC SPIRULINA CULTIVATION
AND BIOREFINERY FOR NEW MARKET SOLUTIONS**



LUCIE NOVOVESKA

SENIOR RESEARCHER IN ALGAL BIOTECHNOLOGY CULTURE
COLLECTION OF ALGAE AND PROTOZOA (CCAP),
SCOTTISH ASSOCIATION FOR MARINE SCIENCE (SAMS),
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**ALGAE IN BIOTECH, SPECIFICALLY PIGMENTS AND
WASTEWATER TREATMENT**



ETIELE GREQUE DE MORAIS

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WASTEWATER TREATMENT WITH MICROALGAE

DAY 3

Industrial Application



NITIN TRIVEDI

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ENERGY BIOSCIENCES, INSTITUTE OF
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**MACROALGAL BIOREFINERY: A SUSTAINABLE APPROACH
TO HARVEST STREAM OF PRODUCTS FROM MARINE
BIO-RESOURCE**



MAHSHID SEDGHI

MICROBIOLOGY MANAGER, R&D AT
CATALGA BIOTECH, SPAIN

MICROALGAE BASED WASTEWATER TREATMENT



RAMÓN ALEJANDRO DE HOYOS CANTÚ

CEO OF ALIS ALGAE INNOVATION SOLUTIONS,
BIOENTREPRENEUR AND BIOINNOVATION PROFESSOR
AL AUTONOMOUS UNIVERSITY OF NUEVO LEON, MÉXICO

**NEW APPLICATIONS OF MICROALGAE BIOTECHNOLOGY
TO CONSUMERS AND SPECIFIC INDUSTRIES**

DAY 3

Industrial Application



ALFREDO FAUBEL

CO-FOUNDER & CFO OF CARBON BIOCAPTURE LLC,
ENTREPRENEUR,
USA

**CARBON CAPTURE FROM A COAL-FIRED POWERPLANT'S
AND A CEMENT KILN'S EMISSIONS USING MICROALGAE
AND PHOTOBIOREACTORS**



ASHKAN AJDARI

HEAD OF OFFSHORE FISHERIES RESEARCH CENTER,
IRANIAN FISHERIES SCIENCE RESEARCH INSTITUTE,
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MACROALGAE AS A SUSTAINABLE AQUAFEED INGREDIENT