



JAPAN
ISAP
2021
International Society
for Applied Phycology

Illustrated by Hiroko Uchida



The 7th Conference of
the International Society
For Applied Phycology

ISAP 2021

May 14, 2021 to August 13, 2021

Virtual Platform

CLOSING CEREMONY



Agenda

1. Introduction (Prof. Makoto M Watanabe and Dr. Céline Rebours)
2. Awards
 - Awards Sponsor (Prof. Michael Borowitzka)
 - Distinguished Applied Phycologists (Prof. Roberto De Philippis)
 - Outstanding Contributions to the ISAP (Dr. Céline Rebours)
 - Best Student Poster Presentation Awards – Seaweed (Prof. Tatsufumi Okino)
 - Best Student Poster Presentation Awards – Microalgae (Prof. Makoto M Watanabe)
 - Best Student Oral Presentation Awards – Seaweed (Dr. Céline Rebours)
 - Best Student Oral Presentation Awards – Microalgae (Prof. Qiang Hu)
3. 2021-2024 ISAP foundation
 - 2021-2024 ISAP EC members (Prof. Qiang Hu)
 - 2021-2024 ISAP Supervisory Board members (Dr. Céline Rebours)
4. Acknowledgements
 - Acknowledgements to the sponsors (Prof. Makoto M Watanabe)
 - Acknowledgement to the speakers, chairs, special session chairs and student's reviewer (Dr. Céline Rebours)
 - Special Acknowledgements (Dr. Céline Rebours)
 - Acknowledgements to the 2017-2020 EC members (Dr. Céline Rebours)
5. 2017-2021 ISAP EC last Actions (Dr. Céline Rebours)
6. ISAP 2021 conference results
 - Number about the attendees and participations (Emi Kusuda)
 - After ISAP2021 Conference questionnaire (Emi Kusuda)
5. JAPH special edition (Prof. Michael Borowitzka and Dr. Céline Rebours)
6. Remarks from the audience
7. Closure (Dr. Céline Rebours and Prof. Makoto M Watanabe)



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INTRODUCTION



Izura, Pacific coast, Ibaraki



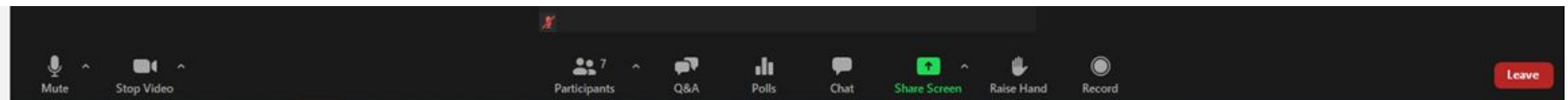
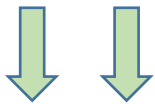
Torii Gate at Izura, Pacific coast, Ibaraki



Lake Kasumigaura, Mt Tsukuba on Background, Ibaraki

Rules of communications and vote at the GA

- Send technical questions in the chat
- Send comments to the panelists in the Q&A box
- If you want to ask question to the panelist orally at the end of the ceremony:
 1. Raise your hand
 2. Once you are given the floor, please open video and microphone
 3. Once you are finished, please close video and microphone





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AWARDS



Springer

**Awards Sponsor
(Prof. Michael Borowitzka)**



Distinguished Applied Phycologists (Prof. Roberto De Philippis)



- Prof. Eugenia Olguin



- Prof. Michael Guiry



- Prof. Yongding Liu



Outstanding Contributions to the ISAP (Dr. Céline Rebours)



- Prof. Michael Guiry



- Dr. Valeria Montalescot



Best Student Poster Presentation Awards – Seaweed (Prof. Tatsufumi Okino)



1. **Claudia L. Cara**

National University of Ireland Galway, Ireland

Investigation into microbiome interactions in field-collected and laboratory-grown macroalgae



2. **Jee Grace B. Suyo**

University of Philippines Visayas, Philippines

What are the sustainability issues in the Philippine seaweed industry? – Insights from stakeholders

3. **Nora Salland**

Marine Biological Association, UK

Climate change responses of NE Atlantic kelps. *Saccorhiza polyschides* as an ocean warming "winner" in the UK?

Best Student Poster Presentation Awards – Microalgae (Prof. Makoto M Watanabe)



1. Chihiro Yoshida

Meiji University, Japan

Development of organic acid production from *Cyanidioschyzon merolae*.



2. Kyoko Tamura

University of Tsukuba, Japan

Hydrothermal Liquefaction of polycultured microalgae: Yield and Properties of biocrude.

3. Damaristelma de. Jesús-Campos

University of Sonora, Mexico

Nitrogen deficiency modifies the chemical profile and expression levels of the NRT2 and DGAT2 genes in marine diatom *Chaetoceros muelleri*.

Best Student Oral Presentation Awards – Seaweed (Dr. Céline Rebours)



1. Shareen A Abdul Malik

University of South Brittany, France

Untargeted metabolomic fingerprinting of *Halymenia floresii* secondary metabolites to investigate its defence on surface.



2. Mathilde Fournière

University of Greenwich, UK

Production of Poly- and Oligosaccharidic Fractions from Macroalga *Ulva* sp.:
Regulation of Extracellular Matrix Renewal in Human Skin Fibroblasts.

3. Deepak Pandey

Nord University, Norway

Seasonal impacts on the chemical composition and in-vitro rumen fermentation characteristics of various seaweed species.

Best Student Oral Presentation Awards – Microalgae (Prof. Qiang Hu)



1. Ben Leyland

Ben-Gurion University of the Negev, Israel

The lipid droplet proteome of the oleaginous model pennate diatom, *Phaeodactylum tricornutum*.



1. Mariana R. Carneiro

University of Porto, Portugal

Growth and PSII performance of *Nannochloropsis oceanica* grown in three different pilot-scale cultivation systems outdoors.

1. Hajar Shayesteh

Murdoch University, Australia

CO₂ effect on microalgal growth in abattoir effluent.



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2021-2024 ISAP Foundation

2021-2024 EC members (Prof. Qiang Hu)



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Shenzhen University,
China

Out-going President



Dr. Céline Rebours
Møreforskning AS,
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Assistant President



Dr. Sze Wan Poong
University of Malaya,
Malaysia



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Brazil



**Dr. Francisco Gabriel
Acien**
University of Almeria, Spain



Dr. Anicia Hurtado
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Philippines Visayas,
Philippines



Dr. Dong Wei
South China University of
Technology, China



Dr. Amel Ismail
National Institute of Marine
Sciences and
Technologies, Tunisia



Dr. Dorinde Kleinegriss
NORCE / University of
Bergen, Norway



2021-2024 EC members (Prof. Qiang Hu)



Dr. Eugenia Olguin Palacios
Institute of Ecology in
Xalapa,
Mexico



Dr. Andrew Ward
The University of
Queensland,
Australia



Dr. Priya Pollard
Bantry Marine Research
Station,
Ireland



Dr. Alessandra Adessi
University of Florence,
Italy



Dr. Silvia Blanco González
Bantry Marine Research
Station Ltd.,
Ireland



Dr. Ho-Sung Yoon
Kyungpook National
University,
South Korea



2021-2024 EC members (Prof. Qiang Hu)



Dr. Liliana Rodolfi
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Italy



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China



Dr. Phaik Eem Lim
University of Malaya,
Malaysia



Dr. Alejandro H. Buschmann
Universidad de Los Lagos,
Chile



Dr. Fiona Moejes
Mawazo Institute,
Kenya



Dr. Stefan Kraan
Seaweed Company
Blue Turtle Ltd.,
Ireland

2021-2024 Supervisory Board (Dr. Céline Rebours)



Treasurer



Dutch Representative



Scientific and governance adviser



Dr. Jonalyn Mateo
University of the Philippines Visayas,
Republic of the Philippines

Dr. Job Schipper
SEAWISER
The Netherlands

Pr. Roberto de Philippis
University of Florence,
Italy



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Grant Sponsors



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Award Sponsor





Acknowledgements to the speakers (1)

(Dr. Céline Rebours and Prof. Makoto M Watanabe)

Opening Ceremony

Céline Rebours
Makoto M Watanabe
Joerg Schnackenberg
Marco Lizzul
Katja Thoma
Kameswaraw Natakusumah

Plenary Talks

Osamu Inoue
Mitsuru Izumo
Michele Suzanne Stanley
John Beardall
Danxiang Han
Anna Amtmann
Gabriel Acien Fernández
Christine Edwards
Alan T. Critchley
Pi Nyvall Collén
Jean-Paul Cadoret
Michele Barbier

Panel Discussion

Amha Belay
Vitor Verdelho Vieira
Kengo Suzuki

Special Session

Weiwen Zhang
Ohta Hiroyuki
Yandu Lu
Elodie Billey
Inna Khozin-Goldberg
Giuseppe Torzillo
John Beardall
Michael A. Borowitzka
Joseph Weissman
Avraham Ben Shelg
Keiji Numata
Midori Yamashiro
Hongyi Gan
Lieve Laurens
Aga Pinowska
John R. Benemann
Jake Nalley
Dan Fishman
Rebecca White
Navid Moheimani,
Dominique Grizeau
Masashi Kijima
Hirofumi Matsui
Qi ZhiZhong
Tao Liu
Cicilia KAMBEY
Melba Bondad-Reantaso
Tryg Lyndquist

Special Session

F. Gabriel Acien Fernandez
Rupert Craggs
Sonia Chamizo
Miriam Munoz-Rochas
Vincent J.M.N.L. Felde
Alessandra Adessi
Lisa Campbell
Michael Brosnahan
Katrina Campbell
Vitor Vascoceles

Career Forum

Michele Barbier,
Vitor Verdelho
Kengo Suzuki
Leila Hayashi
Alan T. Critchley
Céline Rebours

Exhibition Booth

Euglena
MoBiol Technology
DENSO
MITSUBISHI KAKOKI
AstaReal
DIC Corporation
AIIIC, Japan
NIES, Japan

Exhibition Booth

Oroboros Instruments
Varicon
Aqua Solution
Biorea

B2B Meeting

Makoto M. Watanabe
Navidreza Moheimani
Alan T. Critchley
Michele Barbier
Tsuyoshi Takeshita
Su Chern Foo
Dagon M Ribeiro
Solomon M Birhanu
Jaap W. Van Hal
Eldrin DLR. Arguelles
YI AN LIM
Shareen A Abdul Malik
Mais Ahed Sweiss
Joerg Schnackenberg
Marco Lizzul



Acknowledgements to the speakers (2)

(Dr. Céline Rebours and Prof. Makoto M Watanabe)

Oral Presentation

Lara Elisabeth Stuthmann Miguel Olaizola
Ryuta Terada Todd W Lane
Sukunya Oaew Imke Lang
Thomas Kiran Marella Iona Campbell
Touria Bounnit Kricelle M. Deamici
Ben Leyland Noppathonthan Aowtrakool
Georgia Papapanagiotou Wahidatul Husna Zuldin
Hirono Suzuki Sol Han
Hugo Pliego-Cortés Christian Kleinert
Inna Khozin-Goldberg Christine N Campbell
Maria Huete-Ortega Emeka G Nwoba
Erich Gnaiger Ibrahim Ahmed Mohammed
Mariana R. Carneiro Peter S. Schmedes
Shareen A Abdul Malik Celine Laroche
Tiphane Andrade Figueira Emily T Kostas
Yanan Xu Frédérica Feuzing
Asilah Al-Has Jie Chen
Md. Nazrul Islam Emilio Molina Grima
Rema C. Sibonga Ronan Pierre
Vishal Vasudeo Patil Keelan C. Lawlor
Z-Z. A. Aguinaldo Zhenyu Zhao
Andre V. F. Faria Jessica Adams
Fernanda Bouvie Yixing Sui
Julia A Mackin-McLaughlin F. Delrue
Julie Seveno Jian Li
Michael Marty-Rivera Céline Rebours
Younes Boundir Valeria Montalescot
Celine Laroche Renu Geetha Bai
Dagon M Ribeiro Thiruchenduran
Leila Hayashi Somasundaram
Majid Khan Majahar Ali

Poster Presentation

Tomoyo Katayama Jacob Andrew Searle Florian Delrue
Miyabi Murakami Tsuyoshi Takeshita Janet B Garcia Martinez
Fernando Gaspar Dellatorre Kyoko Tamura Yoko Ide
Chun Hung Man Sosaku Ichikawa Carola Griehl
Tianjing Yang Hirotaka Kakita Toru Aramaki
Toshihisa Nomura Lidia Martin-Gordillo Itsuki Aramaki
Mustapha Mohamed-Benkada Aleksandra I. Golubeva Nives Novosel
Aldo Borjas Thierry Jauffrais Supenya Chittapun
Khaoula Yahyaoui Hyein Song Céline Rebours
Andres F Barajas-Solano Ioannis Tzovenis Satoko Komatsu
Thomas M. Hauser Amel ISMAIL Ayaka Nakashima
Md Musa Howlader Nora Went Tatsufumi Okino
Imen Hmani Deepak Sethi Thierry Jauffrais
Andres F Barajas-Solano Noreen Khattak Rebeca Andre
Hirotaka Kakita Madalena Mendes Leila Ktari
Miki T. Takada Nestor A Urbina-suarez Ioannis Tzovenis
Gabrielle Zammit Kolos Makay Claudia B Grewe
Nora Salland Claudia L. Cara Leila Hayashi
Ross Mark Coppin Kolos Makay Raman Kumar
Susan L Holdt Maria Robles Jee Grace B. Suyo
Chihiro Yoshida Damaristelma de. Susan L Holdt
Fleuriane Fernandes Jesús-Campos
Sakura Nakagawa Anicia Q. Hurtado
J. P. Lovio-Fragoso Jonalyn P. Mateo
Carola Griehl Jonalyn P. Mateo
Gabriel Acien Joseph P. Faisan, Jr.
Emilio Molina-Grima Hirotaka Kakita



Acknowledgements to the chairs (Dr. Céline Rebours and Prof. Makoto M Watanabe)

Chairs

Opening Lecture

Céline Rebours
Makoto M Watanabe

Plenary Talks

Qiang Hu
Valeria Montalescot
Céline Rebours
Roberto De Philippis

Panel Discussion

Qiang Hu
Makoto M Watanabe

Special Session

Jian Xu
Avigad Vonshak
Masatoshi Iji
Philip T. Pienkos
Jack Legrand
Elizabeth COTTIER-COOK
Phaik Eem LIM
John R. Benemann
Roberto De Philippis
Linda Medlin

Career Forum

Leila Katri
Chihana Toyokawa

Springer Writing Seminar

Alexandrine Cheronet

Oral Session

Ryuta Terada
Thomas Kiran Marella
Hugo Pliego-Cortés
Inna Khozin-Goldberg
Erich Gnaiger
Md. Nazrul Islam
Rema C. Sibonga
Fernanda Bouvie
Younes Boundir
Leila Hayashi
Miguel Olaizola
Iona Campbell
Kricelle M. Deamici
Christine N Campbell
Peter S. Schmedes
Celine Laroche

Oral Session

Emily T Kostas
Ronan Pierre
Keelan C. Lawlor
Antonio Gavalas Olea
Céline Rebours
Damien Stringer
Yuta Okamoto
Eugenia J. Olguin
Jaap W. van Hal
Jessica Knoop
Tiphane Figueira
Andreas Isdepsky
Andrew James Ward
Navid R Moheimani
Michael A. Borowitzka
Xuefeng Lu
Hywel D Griffiths
Pierrick Stévant



Acknowledgements to the student's reviewers (Dr. Céline Rebours and Prof. Makoto M Watanabe)

Students' reviewers (Oral)

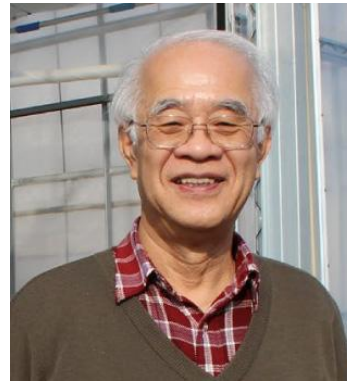
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Qiang Hu
Md. Nazrul Islam
Rema C. Sibonga
Leila Ktari
Roberto De Philippis
Leila Hayashi
Celine Rebours
Iona Campbell
Christine Campbell
Sammy Boussiba
Emily Kostas

Celine Laroche
Ronan Pierre
Valeria Montalescot
Antonio Gavalas Olea
Damien Stringer
Eugenia J. Olguin
Jaap W. van Hal
Jessica Knoop
EonSeon Jin
Andrew James Ward
Andreas Isdepsky
Navid R Moheimani
Michael A. Borowitzka
Xuefeng Lu

Students' reviewers (Poster)

Kinya Atsumi
Misako Kato
Keiichi Mochida
Tatsufumi Okino
Masakazu Aoki
Makoto M. Watanabe

Special Acknowledgements (Dr. Céline Rebours)



Prof. Makoto M Watanabe



Emi Kusuda



Mieko Noguchi



Kohei Atsuji

Acknowledgements to the 2017-2021 EC members (Dr. Céline Rebours)





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2017-2021 EC Last actions

2017-2021 EC members - last actions



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NEWSLETTER



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ISAP2021 conference results

Numbers about the attendees and participations (Emi Kusuda)



Participants	362
Ordinary/Student	265/97
Corporation/Academic & Government	243/119
Countries	46
Platform Access (14 May - 27 July)	6996
Live Session Participants	944
SNS Followers	
Twitter	161
Facebook	423
Instagram	234

After ISAP2021 Conference questionnaire (Emi Kusuda)



ISAP2021 Survey

We would like to get your feedback for the ISAP2021. Please answer within 3 - 17 August 2021.

* Required

Email *

Your email

1. Are you from academia or industry? *

- Academia - ordinary
- Academia - student
- Industry
- Personal
- Other

Any comment on Q1.

Your answer

Survey Period
3(Tue) August - 3(Fri) September

Google Forms

<https://forms.gle/cWnpNMMmwVEzfCF87>

PDF Survey

PDF survey for the residents in China or elsewhere who has no access to the Google Forms

Thank you for your cooperation!



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JAPH special edition

JAPH special edition (Prof. Michael Borowitzka and Dr. Céline Rebours)



Abstract deadline **15 October 2021**





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Remarks from the audience?



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ISAP 2021 conference Closure
