

Second Circular

**The 4th Aquaphotomics
International Conference**

**Exploring Water Molecular
Systems in Nature**

March 20 – 22, 2021

Centennial Hall, Kobe University

1-1 Rokkodaicho, Nada
Kobe, Hyogo, Japan

www.aquaphotomics.com/conference/



Aquaphotomics

On Behalf of the Organizing Committee of the 4th Aquaphotomics International Conference

WELCOME TO AQUAPHOTOMICS

The importance of water molecular systems in nature has not been well explored and recognized. In recent years, along with the advancement of computer science, data analysis and new measurement technologies, water has been studied by scientists and researchers in a wide variety of disciplines.

In 2005, Prof. R. Tsenkova of the Biomeasurement Technology Laboratory at Kobe University proposed the new discipline of “Aquaphotomics”, as a new scientific field to understand the role of the water molecular systems in nature using light spectroscopy. By monitoring water spectrum of bio and aqueous systems under various perturbations, Aquaphotomics presents water spectrum as integrative bio marker, a collective molecular and energy mirror, epitomizing the respective system.

In October 2014, we organized the 1st Aquaphotomics International Symposium as a part of the Kobe University Symposium held at its European Office in Brussels, Belgium. Researchers from 11 countries attended and gave presentations spanning a wide range of fields including biology, nanotechnology, spectroscopy and food science. Since then, Aquaphotomics-related joint research and projects, such as the EU Project (2015-2020) in Trakia University (Bulgaria), resulted in many successful collaborations and co-authored publications.

On November 26 – 29, 2016, the 2nd Aquaphotomics International Symposium was held at Kobe University, Japan. The leading expert in the field of Aquaphotomics and the chairperson of the symposium, Prof. R. Tsenkova introduced the latest research results to the audience. In addition to lectures given by Prof. G. Polack (University of Washington, USA), Prof. M. Yasui (Keio

University, Japan), and others, there were also poster session, exhibition and presentations held by our industrial partners to showcase their technologies. The Aquaphotomics workshop and the open seminar “Aquaphotomics Introduction” were also well-received. The symposium was concluded with a study tour to Yunosato Japanese Spa and Mount Koya and a discussion session at the end of the tour.

The 3rd Aquaphotomics International Symposium was held in Awaji Yumebutai International Conference Center in 2018. Lectures by Professor Hiroo Hamaguchi (National Chiao Tung University, Taiwan), Professor Gerald Polack (University of Washington, USA), Professor Christian Huck (University of Innsbruck, Austria), Professor Craig Schwartz (University of California, Berkeley, USA) and many others were held. Workshop, exhibition and poster session were also organized.

The 4th Aquaphotomics International Conference will be held on March 20 – 22, 2021 at the Centennial Hall, Kobe University. In this international conference, water measurement and analysis technologies in various fields such as bio, medical, pharmaceutical, food, agriculture, forestry, fishery, energy, chemistry, materials, civil engineering, construction, resources, environment, weather, the earth, space, and many other areas will be covered.

Thank you for your generous support and cooperation. We look forward to welcoming you at the conference.

Chairperson
Roumiana Tsenkova



Aquaphotomics

Information

Date

March 20 – 22, 2021

Venue

Centennial Hall, Kobe University
Kobe, Hyogo, Japan

Website

www.aquaphotomics.com/conference/

Organizers

Aquaphotomics International Society
Biomeasurement Technology Laboratory, Faculty of Agriculture, Kobe University

Core Members

Honorable Chair : Mutsuo IWAMOTO
Chair : Roumiana TSENKOVA (Kobe University)
Vice Chair : Masato YASUI (Keio University)
Vice Chair : Christian HUCK (Innsbruck University)
International Advisor : Yukihiro OZAKI (Kwansei Gakuin University)

Open Lecture by Prof. Roumiana Tsenkova “From Non-invasive Diagnostics to Aquaphotomics”

Mar 20 (Sat), 13:00 – 14:30 (Free Admission)

We welcome everyone who wants to learn about Aquaphotomics.

Abstract Template

Templates for abstract is available on the conference website.

Conference Program

- Speakers and presentation titles will be announced later.
- Oral and poster presentations will be accepted.

	3/20 (Sat)	3/21 (Sun)	3/22 (Mon)
9:00	9:00 - 18:00 Registration	9:00 - 18:00 Registration	9:00 - 18:00 Registration
9:30	9:30 - 11:30 Workshop 1	9:30 - 10:30 Presentations Basic science	9:30 - 10:30 Presentations Basic science
10:00	<u>Rokko Hall</u>	10:30 - 11:00 Coffee Break	10:30 - 11:00 Coffee Break
11:00		11:00 - 12:30 Presentations Basic science	11:00 - 12:30 Poster presentation Applications
12:00	Lunch break	<u>Rokko Hall</u>	<u>Rokko Hall</u>
12:30		12:30 - 14:00 Posters Lunch	12:30 - 14:00 Posters Lunch
13:00	13:00 - 14:30 Open Lecture R. Tsenkova	<u>Lobby</u>	<u>Lobby</u>
14:00	<u>Rokko Hall</u>	14:00 - 16:30 Presentations Applications	14:00 - 16:30 Presentations Applications
	14:30 - 16:00 Workshop 2/ Presentations		
15:00	<u>Rokko Hall</u>		
16:00	16:00 - 16:30 Coffee Break	16:30 - 17:00 Coffee Break	16:30 - 17:00 Coffee Break
	16:30 - 18:30 Workshop 3/ Presentations	17:00 - 18:00 Poster presentation	17:00 - 18:00 Closing ceremony
17:00			
18:00	<u>Rokko Hall</u>	<u>Rokko Hall</u>	<u>Rokko Hall</u>
19:00	Dismiss	Dismiss	Dismiss

Registration

	Early Bird Discount*	Full
Student	¥10,000 JPY	¥15,000 JPY
Academic	¥20,000 JPY	¥25,000 JPY
Regular	¥23,000 JPY	¥28,000 JPY

*Please make payment before January 22 (Fri), 2021 for Early Bird Discount.

Registration Fee Cancellation Policy

- Cancel before or on February 19, 2021 (Fri): Full refund
- Cancel after February 19, 2021 (Fri): Non-refundable



How to Register

- 1) Please download the “Registration form” at the conference website (<https://www.aquaphotomics.com/conference/downloads/>).
- 2) Fill in the required information in the registration form.
- 3) Email the registration form to conference@aquaphotomics.com.
- 4) Our staff will contact you within a few business days. You will receive a PDF file of the **confirmed registration form** with your confirmation number and the total payment amount by e-mail.



For Residents of Japan

Please make the payment using wire transfer (T/T).

Bank account information will be sent via email after registration.

For Residents outside Japan

Please use the online payment service (PayPal/Credit card) available at the conference website.

Link

<https://www.aquaphotomics.com/conference/payment/>

Abstract

- Abstracts should be prepared following the sample abstract available on the conference website. (<https://www.aquaphotomics.com/conference/downloads/>).
- Please submit the abstract as an attachment in MS Word format (.doc or .docx) to conference@aquaphotomics.com no later than **January 15 (Fri), 2021**.
- Please indicate whether you prefer an oral or a poster presentation in the email.
- All abstracts will be reviewed by the scientific committee. Accepted papers will be sorted between oral and poster presentation and assigned a schedule within the program.
- Applicants will be notified of the results in **January, 2021**.
- Accepted abstracts will be made available at the conference website during the conference.