

FIRST ANNOUNCEMENT

INIOAS (IR. of Iran) & IIM-CSIC (Spain) Joint Workshop Series

Workshop on Ocean Acidification

(Online)

17- 18 October 2022

12:00 to 14:30 (Tehran time)- 10:30 to 13:00 (Madrid time)

<https://www.skyroom.online/ch/inioas/workshop>

INTRODUCTION

The ocean absorbs about 30% of the carbon dioxide (CO₂) that is released in the atmosphere. As levels of atmospheric CO₂ increase from human activity such as burning fossil fuels and changing land use, the amount of carbon dioxide absorbed by the ocean also increases. When CO₂ is absorbed by seawater, chemical reactions occur that reduce seawater pH, carbonate ion concentration, and saturation states of biologically important calcium carbonate minerals. This is called “ocean acidification”. Studies have shown that acidification can have a dramatic effect on some calcifying species, including oysters, clams, sea urchins, shallow water corals, deep sea corals, and calcareous plankton. Changes in ocean chemistry can affect the behavior of non-calcifying organisms as well. The ability of some fish to detect predators is decreased under acidification. Studies have shown that lower pH also affect the ability of some larvae to locate suitable habitat, conditioning the success of recruitment of new individuals. In summary, direct and indirect effects of ocean acidification are complex and still not well understood.

We organized this workshop on “ocean acidification” to build relationships between scientists, resource managers, policy makers, and the public in order to research and monitor the effects of changing ocean chemistry on economically and ecologically important ecosystems such as fisheries and coral reefs. Below are the topics that will be discussed in this workshop.

HEADLINES & SPEAKERS

Day 1 - 12:00 to 14:30 (Tehran time)- 10:30 to 13:00 (Madrid time)

Ocean Acidification for Sustainability
Dr. Katherina Schoo

How pH measurements have evolved since the 90's

Dr. Noelia Fajar

Low-cost biochemical sensors

Dr. Antón Velo

Ocean acidification and hypoxia in marine ecosystems (with the focus on the Persian Gulf)

Dr. Abolfazl Saleh

Day 2: 12:00 to 14:30 (Tehran time)- 10:30 to 13:00 (Madrid time)

Ocean acidification: Potential impact on mussel aquaculture

Dr. Jose M. F. Babarro

Ocean Acidification Research in the Mediterranean Sea: Status, Trends and Next Steps

Dr. Abed El Rahman Hassoun

Ocean acidification and mangrove ecosystems

Dr. Maryam Ghaemi

Acidification but not just: Climate change impacts on shellfisheries

Dr. Laura G. Peteiro

ORGANIZERS

- Iranian National Institute for Oceanography and Atmospheric Science (INIOAS)
- UNESCO Category 2 Regional Education and Research Centre on Oceanography for West Asia (RCOWA)
- Institute of Marine Research (IIM), Spanish National Research Council (CSIC)

LANGUAGE

English

REGISTRATION

Participation is open to all interested marine scientists, researchers, and students.

Interested participants can use the following link to enter the workshop room.

<https://www.skyroom.online/ch/inioas/workshop>

* An electronic certificate will be issued for the registered participants. For registration, send the registration form (in a Word file) to Ms. Fahimeh Foroughi at foroghi@inio.ac.ir, fahimeh.foroughi@gmail.com by 14th October 2022.

* **Registration is free of charge.**

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REGISTRATION FORM

Title (Ms./Mr./Prof. Dr.)	Full Name	Female/ Male	Academic degree and Field of study	Institution/Uni versity	Country	Email
*	*	*	*	*	*	*

INSTRUCTION FOR ENTERING THE WEBINAR ROOM

Link: <https://www.skyroom.online/ch/inioas/workshop>

The link will be active from the first day of the workshop.

For entering the webinar room, use the **English version** and the icon **GUEST**.



* **Note:** When you enter, your name will be shown as **"guest"** in the list of users. By clicking on the **guest** you can edit and enter your name. Make sure your name is on the list.

Please enter your name only in English.

