

# Strategic Use of Marine Sources for Human welfare - OMICS Group Life Sciences Conferences

*International Conference on Oceanography, scheduled from 21-13 August 2013 at Orlando, Florida, USA.*

LOS ANGELES, CA, USA, July 22, 2013 /EINPresswire.com/ -- Ocean science is an interdisciplinary discipline that includes the study of physical, Chemical, Biological and the Earth Sciences. Oceans are the vast masses of the water bodies on the earth that is full of interesting, unexplored secrets.

A thorough knowledge on various aspects of the mighty Ocean such Marine ecology, geology and biology apart from ocean currents and waves is essential for harnessing its gigantic power for the welfare of the humanity. At this juncture, [OMICS Group](#) aims at sorting out improvised Strategies for Measuring, Exploiting, Protecting and Operating the Oceans on the Earth through its international conference on Oceanography, from 21-13 August 2013 at Orlando, Florida, USA.

It aims at bring scientists and marine biologists to hold plenary discussions and improve collaboration among environmental and health experts, in close coordination with regulatory bodies. Various discoveries in marine and geographic studies like tides and currents have and related advancements would be discussed over three days.

Key Speakers at the conference include: George Schroeder, Executive Director Medical Affairs, American Academy of



International Conference on Oceanography 2013



Manta Ray Symposium 2013



Workshop on Marine parasites as indicator for ecosystem pollution

Urgent Care Medicine, USA  
Garriet W Smith Professor, Department  
of Biology, University of South Carolina  
USA  
Shih Ang Hsu, Professor Emeritus,  
Coastal Studies Institute and Department  
of Oceanography and Coastal Sciences,  
Louisiana State University, USA



Thomas M. Church, Professor, University of Delaware, USA

Major Tracks at the [Oceanography Conference](#) are:

1. Coastal Hazards and Marine Environment Protection
2. Coastal Science & Engineering
3. Chemical & Physical Process of Ocean
4. Ocean Life & Ecosystem
5. Ocean Resources
6. Seafloor & Below
7. Polar Research
8. Marine Pollution & Management
9. Marine Biotechnology
10. Marine Renewable Energy Technology
11. Marine Policy and Ocean Management
12. Tools & Technology in Oceanography
13. Offshore Structures and Technology

#### Symposium

Dr. Cisila Ari, Director, Foundation for Oceans of the future conducts a symposium on the Manta Ray, is an exclusive single-day event. Manta rays are vulnerable according to the IUCN Red List, although we have only limited information on their biology and ecology, which would be essential for successful management of their fragile populations. Our group strives to address this problem by organizing a symposium to facilitate researchers to share views and ideas on conservation and bring awareness.

#### Workshop

Professor Nisreen Mahmoud of Cairo University, Egypt organizes a workshop on marine Parasites as an indicator for Ecosystem Pollution. The parasites pass through a complex life cycle with different stages and each stage has different requirements in the ecosystem. They are very sensitive to slight environmental change. This behaviour allows us to use them as an indicator to detect changes in the ecosystem and also access the level of ecosystem poll.

#### Exhibitors

The meet is marked by the presence of a prominent exhibitor Reef Innovations, to add value to the event.

Prominent speakers that are present in this conference include,

Shih Ang Hsu, Professor Emeritus, Coastal Studies Institute and Department of Oceanography and Coastal Sciences, Louisiana State University, USA is going to address on how a simple wind-stress tide formula would be useful in coastal oceanography and engineering, urban planning, and emergency management through his work "Storm surges during hurricanes Isaac and sandy in 2012: Verifications of the wind stress tide formula".

George Schroeder, Executive Director Medical Affairs, American Academy of Urgent Care Medicine, USA through his work "Survey of current biomedical applications for therapeutic benefit from oceanic bioactive molecules" presents the case of how Bioprospecting and bioactive compounds with a potential pharmacological and nutraceutical property, forms an enormous untapped source of marine organisms. This paper traces and how they represent formidable millennial challenge. The paper further stresses the need for a focused, multidisciplinary pursuit of the vast marine biochemical diversity and harnessing it for prospective, as well as proven therapeutic potential

Garriet W Smith Professor, Department of Biology, University of South Carolina USA talks about how the composition and health of coral reefs has changed in the past 20 years, and continues to change. Some of the documented changes include species distribution, overall coral cover, species dominance and diversity of associated organisms, both microscopic and macroscopic. Through his paper on "Response of corals to temperature stress".

Through his paper "Atmospheric input of trace elements to the ocean; Dust to ashes?", Thomas M. Church, Professor, University of Delaware, USA traces how natural and anthropogenic chemical forms both primary and altered mode of deposition has long term climatic variations over the North Atlantic region and how strongly it influence the relative proportions of wet and dry deposition from year to year. For

For more details on Oceanography-2013 conference, please visit:  
<http://www.omicsgroup.com/conferences/aquatic-marine-biology-2013/>

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Oceanography-2013

[OMICS Group LifeScience Conferences](#)

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