

# SEAGRASSES MANGROVES & SEDIMENTS

## BUILDING 4 ROOM 5209

SESSION	NAME	AFFILIATION	ABSTRACT	
<b>14</b> MONDAY MORNING	11:15 a.m.	Carlos Duarte Quesada	KAUST, Saudi Arabia	Mangrove growth and nutrient status in the Red Sea
		Abdelmoneim Karamalla Gaiballa	Red Sea University, Sudan	Macroepibenthic invertebrates of seagrass beds in the Red Sea of Sudan
		Ronald Loughland	Saudi Aramco, Saudi Arabia	Mangrove conservation and restoration along the Red Sea coast of Saudi Arabia
		Abdelmoneim Karamalla Gaiballa	Red Sea University, Sudan	Ecological study on seagrasses along Sudanese Red Sea Coast
		Joydas Thadickal	KFUPM, Saudi Arabia	Deep-sea macrobenthic communities in the Red Sea
		Neus Garcias-Bonet	KAUST, Saudi Arabia	Seagrass metabolism in the Red Sea
	13:00 p.m.	Abdelmoneim Karamalla Gaiballa	Red Sea University, Sudan	Fish diversity and distribution of seagrass meadows in shallow water of the Red Sea coast (Sudan)

# CORAL REEFS

## LECTURE HALL BETWEEN BLDG 4 & 5

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>14</b> MONDAY MORNING	11:15 a.m.	John Bartz	University of Miami, USA	Predictive adaptation responses to coral decline in the Red Sea under islamic law
		Till Röhthig	KAUST, Saudi Arabia	Coral holobiont response to salinity changes indicates osmoregulation of scleractinian corals
		Fabia Simona	KAUST, Saudi Arabia	The role of cnidarian ficolin-like proteins in symbiodinium recognition and uptake
		Christian Wild	University of Bremen, Germany	C and N fixation of Red Sea reef organisms in response to environmental changes
		Hagen Gegner	KAUST, Saudi Arabia	Salinity-driven thermal tolerance in symbiotic aiptasia
		Sheikhelamin Elamin	Red Sea University, Sudan	The Status Of Coral Reefs During 2003 And 2013, In Abu Hashish Fringing Reef, Port Sudan, Red Sea
	13:00 p.m.	Mostafa Khaled	University of South Florida, USA	Using Landsat Data to Assess the Status of Coral Reefs habitat along the Red Sea Coast, Egypt
<b>14</b> MONDAY AFTERNOON	3:00 p.m.	Nils Rådecker	KAUST, Saudi Arabia	Deciphering environmental controls of nitrogen fixation in red sea corals
		Tullia Terraneo	KAUST, Saudi Arabia	Species boundaries in the coral genus Goniopora from the Saudi Arabian Red Sea
		Roberto Arrigoni	KAUST, Saudi Arabia	Recent origin and semi-permeable species boundaries in the scleractinian coral genus Stylophora from the Red Sea
		Shaker Alhazeem	Kuwait Institute for Scientific Research, Kuwait	The decline of many global coral reef ecosystems in recent decades has enforced the implementation of an effective and appropriate coral reef management strategies, plans and practices
		Manuel Aranda Lastra	KAUST, Saudi Arabia	Genome analysis of coral dinoflagellate symbionts highlights evolutionary adaptations to a symbiotic lifestyle
	4:30 p.m.	Claudia Pogoreutz	Leibniz Center for Tropical Marine Ecology GmbH, Germany	Stimulated nitrogen fixation can cause coral bleaching in the absence of heat and light stress
<b>16</b> WEDNESDAY MORNING	10:00 a.m.	Rodrigo Villalobos Vazquez de la Parra	KAUST, Saudi Arabia	Unraveling patterns of cryptic coral reef diversity in a cross-shelf gradient in the central Red Sea
		Christian R. Voolstra	KAUST, Saudi Arabia	Biogeography and molecular diversity of coral symbionts in the genus symbiodinium around the arabian peninsula
		M F M Fairoz	Ocean University of Sri Lanka, Sri Lanka	Monitoring of coral reefs in Sri Lanka to explain the microbial perspective global status of coral reefs
		Amira H. Donia	Benha University, Egypt	Heat shock protein gene HSP70 as an indicator for determining thermal stress response in Stylophora pistillata from Gulf of Suez, Red Sea
	12:00 p.m.	Adel Alhababy	Jazan University, Saudi Arabia	Coastal areas are environmentally and economically important areas supporting a diverse range of industries and large population centers

# FISH FISHERIES AQUACUL- TURE



# BUILDING 4 ROOM 5220

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>14</b> MONDAY MORNING	11:15 a.m.	Siddik Abul Kasim	King Abdulaziz University, Saudi Arabia	Analysis of extracellular polymeric substances produced by an epibiotic bacterium associated with the macroalga ulva lactuca from the Jeddah coast, Saudi Arabia
		Matina Isari	KAUST, Saudi Arabia	Exploring the larval fish community of the central Red Sea: an integration of morphological and molecular techniques
		Shaker Shaheen	Red Sea University, Sudan	Sepia pharaonis and Loligo duvauceli (Cephalopoda) by-catch from shrimp trawling in sudanese red sea coast
		Lu Sun	KAUST, Saudi Arabia	Vertical movement patterns of juvenile whale sharks Rhincodon Typus at a seasonal aggregation in saudi arabian Red Sea
		13:00 p.m.	Perdana Prihartato	Saudi Aramco, Saudi Arabia
<b>14</b> MONDAY AFTERNOON	3:00 p.m.	Sara Wilson	KAUST, Saudi Arabia	Examination of gene flow in Amphiprion bicinctus from the Al Wajh Banks
		Royale Hardenstine	KAUST, Saudi Arabia	Kinship and population genetics of Red Sea whale sharks, in relation to an Indo-Pacific aggregation at Mafia Island, Tanzania
		Vanessa Robitzch	KAUST, Saudi Arabia	Recruitment patterns of coral reef fishes in the central red sea: differences related to season and reef type
		Darren Coker	KAUST, Saudi Arabia	Variation in biodiversity of cryptic reef fishes along a Red Sea environmental gradient
		Matt Tietbohl	KAUST, Saudi Arabia	Assessing the functional diversity of herbivorous reef fishes using a compound-specific stable isotope approach
		4:30 p.m.	Song He	KAUST, Saudi Arabia

# PRIMARY PRODUCTION



# BUILDING 5 ROOM 5220

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>14</b> MONDAY MORNING	11:15 a.m.	Daffne Lopez-Sandoval	KAUST, Saudi Arabia	Changes In Planktonic Metabolism Along A Coastal Latitudinal Gradient In The Red Sea
		Andrea Anton	KAUST, Saudi Arabia	Photosynthetic and structural parameters of macrophytes in coral reefs, seagrass meadows and mangrove forests in the Red Sea
		Francisca García García	KAUST, Saudi Arabia	Diel And Vertical Variability Of Picoplankton Size Structure And Diversity In The Central Red Sea
		Mutaz Ali Qutob	AIQuds University, Palestine	Nutrient dynamics and phytoplankton productivity in the Northern Red Sea
		Benjamin Kürten	KAUST, Saudi Arabia	Effects of the indian ocean monsoon on the biogeochemistry of the Red Sea
		John Gittings	KAUST, Saudi Arabia	The influence of the el Niño southern oscillation on the vertical distribution of phytoplankton in the Northern Red Sea
	13:00 p.m.	John Pearman	KAUST, Saudi Arabia	A metabarcoding approach to revealing the diversity of microbial eukaryotes in the Red Sea
<b>14</b> MONDAY AFTERNOON	3:00 p.m.	Malika Kheireddine	KAUST, Saudi Arabia	Assessing phytoplankton size structure from hyperspectral phytoplankton light absorption spectra measurements in the Red Sea: Implication for ocean color remote sensing
		Susana Agusti	KAUST, Saudi Arabia	Changes in diversity and community structure of picocyanobacteria across trophic gradients in the Red Sea.
		Najwa Al-Otaibi	KAUST, Saudi Arabia	Seasonal variability of autotrophic and heterotrophic picoplankton in the Red Sea
		Luis Silva	KAUST, Saudi Arabia	Temporal variability of Red Sea coastal bacterioplankton growth rates and carrying capacities
		Surya Prakash Tiwari	KAUST, Saudi Arabia	Optical radiometry of the Red Sea
		4:30 p.m.	Ikram Ansari	KAUST, Saudi Arabia
<b>16</b> WEDNESDAY AFTERNOON	2:00 p.m.	Maria Calleja Cortes	KAUST, Saudi Arabia	Mesopelagic fishes: a hotspot for heterotrophic prokaryotes in the Red Sea?
		Tyas Hikmawan	Saudi Aramco, Saudi Arabia	Insight into the metabolism of uncultivated euryarchaeal marine benthic group-E (MBGE) from the interface of the atlantis ii deep brine pool in the Red Sea
		Xelu Morán	KAUST, Saudi Arabia	Stocks and dynamics of heterotrophic prokaryotes in the Red Sea: less and more than expected
		Moritz Jeppe Heinle	KFUPM, Saudi Arabia	Controlling factors of phytoplankton productivity and community composition in Saudi Arabian waters of the Red Sea
		3:30 p.m.	Ahmed A. Shibl	KAUST, Saudi Arabia

## BUILDING 5 ROOM 5209

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>14</b> MONDAY MORNING	11:15 a.m.	Habib Toye Mahamadou Kele	KAUST, Saudi Arabia	Towards an operational ensemble forecasting system for the Red Sea
	↓	Dennis Dreano	KAUST, Saudi Arabia	The Gulf of Aden intermediate water intrusion regulates the southern Red Sea summer phytoplankton blooms
		Peng Zhan	KAUST, Saudi Arabia	Far-field concentrate discharges modeling along the saudi coast of the Red Sea
		Attada Raju	KAUST, Saudi Arabia	On the role of the indian summer monsoon in the interannual variability of the summer circulation over the arabian peninsula
		Aditya Kartakidara	KAUST, Saudi Arabia	Thermal and haline contributions to density budgets of the upper Red Sea waters
	13:00 p.m.	Peng Zhan	KAUST, Saudi Arabia	Eddy properties and energy budget in the Red Sea
<b>14</b> MONDAY AFTERNOON	3:00 p.m.	Sabique Langodan	KAUST, Saudi Arabia	The wind and wave atlas of the Red Sea
	↓	Raju Attada	KAUST, Saudi Arabia	Seasonal variability of surface air-temperature over Saudi Arabia: role of large-scale climate drivers
		Sabique Langodan	KAUST, Saudi Arabia	Wave variability and climate over the Red Sea from a high-resolution reanalysis
		Daquan Guo	KAUST, Saudi Arabia	Dynamics of internal solitary waves in the southern Red Sea
	4:30 p.m.	Sabique Langodan	KAUST, Saudi Arabia	A high-resolution assessment of wind and wave energy potentials in the Red Sea
<b>16</b> WEDNESDAY MORNING	10:00 a.m.	Jim Churchill	Woods Hole Oceanographic Institution, USA	Surface level variations in the central Red Sea coastal zone span a range of roughly 1.2 m
	↓	Hari Dasari	KAUST, Saudi Arabia	A High Resolution Surface Heat and Momentum Fluxes for the Red Sea Region
		Fengchao Yao	KAUST, Saudi Arabia	Modeling and Observations of the Renewal of the Red Sea Deep Water
		Viviane Menezes	Woods Hole Oceanographic Institution, USA	Cross-axis Wind Jet Events in the Northern Red Sea and their impacts
	12:00 p.m.	Y.V.B. Sarma	KAUST, Saudi Arabia	Overview of biophysical properties of the Red Sea
<b>16</b> WEDNESDAY AFTERNOON	2:00 p.m.	Michael Campbell	KAUST, Saudi Arabia	Mapping Ocean Observations
	↓	Khaled Asfahani	KAUST, Saudi Arabia	Seasonal transitions in temperature, salinity and mixed layers in the northern red sea and their effect on phytoplankton biomass
		Michael Berumen	KAUST, Saudi Arabia	Exploring the gradients of the Red Sea
		Nikos Zarokanellos	KAUST, Saudi Arabia	Three - dimensional characterization of the mesoscale eddies in the Red Sea
	3:30 p.m.	Yasser Abualnaja	KAUST, Saudi Arabia	Tides of the Red Sea

# CLIMATE

## BUILDING 4 ROOM 5209

SESSION	NAME	AFFILIATION	ABSTRACT	
16 WEDNESDAY MORNING	10:00 a.m.	Omar El-Sherbiny	King Abdulaziz University, Saudi Arabia	Trophic transfer of UVB radiation impacts to Red Sea Zooplankton
		Zaki Moustafa	H2O & Geo, USA	Coral Resilience in the Gulf of Suez-Red Sea; is it tide or local winds?
		Ramadan Abu-Zied	King Abdulaziz University, Saudi Arabia	Late Pleistocene macrofossil gastropods from the raised reefal limestone of Jeddah, Saudi Arabia: systematic and palaeoenvironmental implications
		Yi Jin Liew	KAUST, Saudi Arabia	Coral reefs are in rapid decline, chiefly from anthropogenic factors.
	12:00 p.m.	Alison Monroe	KAUST, Saudi Arabia	Effects of the 2015/2016 worldwide bleaching event on corals in the central and southern Red Sea

# INVERTE- BRATES

## BUILDING 4 ROOM 5220

SESSION	NAME	AFFILIATION	ABSTRACT	
16 WEDNESDAY MORNING	10:00 a.m.	Gord Byron	KAUST, Saudi Arabia	Phylogenetic diversity of cephalopoda (animalia:mollusca) within the Red Sea
	↓	Ahmed E. Al Haj	King Abdulaziz University, Saudi Arabia	Ovigerous females of the species <i>Cymo andreossi</i> (Audouin, 1826) and <i>C. quadrilobatus</i> (Miers 1884) were collected from the patch coral reef, Jeddah (Thuwal and Biadah), coast of Saudi Red Sea
		Zahra Alsaffar	KAUST, Saudi Arabia	Opening up the black box on the diversity patterns of soft-sediment macrobenthic communities in the Red Sea
		Ahmed E. Al Haj	King Abdulaziz University, Saudi Arabia	Morphological features of first zoeas of <i>Cymo andreossi</i> Audouin, 1826 and <i>C. quadrilobatus</i> Miers, 1884 (Crustacea: Brachyura: Xanthidae: Cymoinae) reared in the laboratory
		12:00 p.m.	Jaafar BaOmer	King Abdulaziz University, Saudi Arabia

# CONTAMI- NANTS



## BUILDING 4 ROOM 5220

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>16</b> WEDNESDAY MORNING	2:30 p.m.	Mohammad Badran	PERSGA, Saudi Arabi	Principles of citizen science monitoring in the regional project strategic ecosystembased management in the Red Sea and Gulf of Aden
	↓	Elisa Marti	University of Cádiz, Spain	Quantifying abundance of floating plastic debris in the Red Sea
		Radwan Al-Farawati	King Abdulaziz University, Saudi Arabia	Dissolved copper speciation in the coastal waters of eastern Red Sea
		3:30 p.m.	Amr Hamoud	NIOF, Egypt



# MARINE PROTECTED AREAS

## BUILDING 4 ROOM 5220

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>16</b> WEDNESDAY AFTERNOON	2:00 p.m.	Zaher Al-Agwan	PERSGA, Saudi Arabia	How is the management authority doing for managing Socotra Island marine protected area in Yemen?
	2:30 p.m.	Mohammad Al-Zibdah	University of Jordan, Jordan	Are ICZM measures in Jordan's Aqaba the silver-bullet for sustainable coastal development?

# GEOPHYSICS

## LECTURE HALL BETWEEN BLDG 4 & 5

	SESSION	NAME	AFFILIATION	ABSTRACT
<b>16</b> WEDNESDAY MORNING	10:00 a.m.	Hamdy Aboulela	King Abdulaziz University, Saudi Arabia	Micro-and macroseismicity and its seismotectonic implications on ras mohammad area and its vicinity, nothern tip of Red Sea, Egypt
	↓ 12:00 p.m.	Suzan El-Gharabawy	NIOF, Egypt	Seafloor characterization and backscatter variability of coral Reef by using Acoustic survey; Case study El-Gouna Area, Red Sea