

International Conference on the Marine Environment of the Red Sea

ICMERS 2014



Conference Program
Jeddah 2014



ICMERS 2014

Monday, November 10, 2014

8:00 a.m. - 9:30 am		Registration
9:30 a.m-9:50 p.m.		Welcome Ceremony (Main Hall)
9:50 a.m. - 10:30 a.m.	Main Hall	Keynote Speech: Can we save the Red Sea's unique coral reef environment? <u>Prof. Rupert Ormond</u> Heriot-Watt University, United Kingdom
10:30 a.m. - 10:50 a.m.		Coffee/Tea Break
		(Session 1A) Marine Invertebrates 1
10:50 a.m. - 11:05 a.m.	Room 2	Macrobenthic communities in the deep sea environments of the northern Red Sea <u>Joydas Thadickal</u> , <u>Mohammad Qurban</u> , <u>Krishnakumar P.K.</u> , <u>Manikandan K.P.</u> , <u>Ashraf T.T.M</u> , <u>Ian Belarmino</u> , <u>Khaled Al-Abdulkader</u>
11:05 a.m. - 11:20 a.m.	Room 2	A system-wide approach to identify mechanisms of barnacle attachment toward identification of new antifouling compounds <u>Sarah AL-Aqeel</u> , <u>Taewoo Ryu</u> , <u>Huoming Zhang</u> , <u>Chandramouli K.H.</u> , <u>Pei-Yuan Qian</u> , <u>Timothy Ravasi</u>
11:20 a.m. - 11:35 a.m.	Room 2	Invertebrate spawning in the central Red Sea <u>Remy Gatins</u> , <u>Jessica Bouwmeester</u> , <u>Emily Giles</u> , <u>Michael Berumen</u>
11:35 a.m. - 11:50 a.m.	Room 2	Study on the infestation and distribution of the ectoparasite <i>Octolasmis</i> sp. on the edible blue crab (<i>Portunus pelagicus</i>) <u>Rafat Khattab</u> , <u>Abdullah Modkhally</u>

11:50 a.m. - 12:05 p.m.	Room 2	A phylogeographic approach to cataloguing marine biodiversity in the Red Sea <i>Michael Berumen, Joseph DiBattista, Luiz Rocha, J Howard Choat, Andrew Baird, Gustav Paulay, Brian Bowen, Francesca Benzoni</i>
12:05p.m.-1:20 p.m.		Afternoon Snacks and Prayer
		(Session 2A) Marine Invertebrates 2
1:30p.m.-1:45 p.m.	Room 2	Saudi-Arabian Red Sea Sponge (Porifera) Biodiversity <i>Dirk Erpenbeck, Oliver Voigt, Ali M. Al Aidaroos, Abdulmuhsen A. Sofyani, Adel Naguib Guirguis, Michael L. Berumen, Jessica Bouwmeester, Daniela Catania, Emily C. Giles, Raúl González Pech, Gabriele Büttner, Simone Schätzle, Gert Wörheide</i>
1:45p.m.-2:00 p.m.	Room 2	National Aquaculture Group – “NAQUA”: An Environmentally Friendly Aquaculture Farming and Seafood Production Company <i>Nasir Hameed</i>
2:15p.m.-2:30 p.m.	Room 2	Molecular evidences of thermal and osmo-adaptation in Red Sea larvae of <i>Balanus amphitrite</i> <i>Kondethimmanahalli Chandramouli, Sarah Al-Aqeel, Taewoo Ryu, Huoming Zhang, Pei-Yuan Qian, Timothy Ravasi</i>

2:30p.m. - 2:45 p.m.	Room 2	Challenges of using ecological variables to prioritize reefs for conservation in the central Saudi Arabian Red Sea <i><u>Maha Khalil</u>, Michael Berumen</i>
3:00p.m. - 3:30p.m.		Coffee/Tea Break
		(Session 3A) Reef Fishes 1
3:30p.m. - 3:45 p.m.	Room 2	Biogeographical patterns in the Saudi Arabian Red Sea reef fish communities <i><u>May Roberts</u>, Michael Berumen</i>
3:45p.m. - 4:00 p.m.	Room 2	Habitat selectivity of hawkfish in the Red Sea <i><u>Veronica Chaidez</u>, Darren Coker, Michael Berumen</i>
4:00p.m. - 4:15 p.m.	Room 2	The ichthyological component of the KAU-SRI Red Sea Biodiversity Project <i><u>Tilman J. Alpermann</u>, Sergey V. Bogorodsky, Mohamed H. Gabr, Ahmad O. Mal</i>
4:15p.m. - 4:30 p.m.	Room 2	Reconstructing long time series of national fisheries catches for the Red Sea large marine ecosystem <i><u>Dawit Tesfamichael</u>, Daniel Pauly</i>

4:30 p.m. - 4:45 p.m.		<p>When biogeographic provinces collide: Hybridization of reef fishes at the crossroads of three marine biogeographic provinces in the Arabian Sea</p> <p><i><u>Joseph DiBattista</u>, Luiz Rocha, Jean-Paul Hobbs, Song He, Mark Priest, Tane Sinclair-Taylor, Brian Bowen, Michael Berumen</i></p>
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Monday, November 10, 2014

		(Session 1B) Oceanography and Ocean Dynamics 1
10:50 a.m. - 11:05 a.m.	Room 3	<p>The transport of nutrient-rich Indian Ocean water through the Red Sea and into coastal reef systems</p> <p><i><u>James Churchill</u>, Yasser Abualnaja, Amy Bower, Dan McCorkle</i></p>
11:05 a.m. - 11:20 a.m.	Room 3	<p>Parametric estimation of wave heights in the mid-western Red Sea using simplified methods</p> <p><i><u>Khalid M. Zubier</u>, P. R. Shanas, Sameer Gharbi</i></p>
11:20 a.m. - 11:35 a.m.	Room 3	<p>Modelling the seasonal overturning circulation in the Red Sea</p> <p><i><u>Fengchao Yao</u>, Ibrahim Hoteit</i></p>
11:35 a.m. - 11:50 a.m.	Room 3	<p>Tidal height prediction using a sequential wavelet network model</p> <p><i><u>Mohammed El-Diasty</u>, Salem Al-Harbi</i></p>

11:50 a.m. - 12:05 p.m.	Room 3	Towards the best approach for wind wave modelling in the Red Sea <i>Sabique Langodan, Luigi Cavaleri, Yesubabu Viswanadhapalli, Ibrahim Hoteit</i>
12:05p.m.-1:30 p.m.		Afternoon Snacks and Prayer
		(Session 2B) Oceanography and Ocean Dynamics 2
1:30p.m. - 1:45 p.m.	Room 3	Climatic factors affecting the air-sea heat fluxes over the Red Sea <i>Yasser Abualnaja, Vassilis P. Papadopoulos, Simon A. Josey, Ibrahim Hoteit, Harilaos Kontoyiannis, Dionissios E. Raitsos</i>
1:45p.m. - 2:00 p.m.	Room 3	Thermocline regulated surface chlorophyll blooms in the Gulf of Aden <i>Fengchao Yao, Ibrahim Hoteit</i>
2:15p.m. - 2:30 p.m.	Room 3	Sea breeze structure and dynamics in the central region of the Red Sea over western Saudi Arabia <i>Basit Khan, Georgiy Stenchikov, Yasser Abualnaja</i>
2:30p.m. - 2:45 p.m.	Room 3	Feature of Red Sea water mass <i>Aditya Kartadikaria, Ibrahim Hoteit</i>
2:45p.m. - 3:00 p.m.	Room 3	The relation between coral bleaching induced by thermal stress and current pattern for Northern Western region in the Red Sea <i>Mohamed M. Y. Selim, Saad Zakaria</i>

3:00p.m.-3:30p.m.		Coffee/Tea Break
		(Session 3B) Marine Ecology 1
3:30p.m.-3:45 p.m.	Room 3	Fine scale movement patterns of whale sharks <i>Rhincodon typus</i> off the coast of Al-Lith, Saudi Arabia <u>Lu Sun</u> , <u>Jesse Cochran</u> , <u>Michael Berumen</u>
3:45p.m.-4:00 p.m.	Room 3	The behaviour and decline of sharks on reefs near Jeddah, with special reference to silky sharks (<i>Carcharhinus falciformis</i>) <u>Chris Clarke</u> , <u>James Lea</u> , <u>Rupert Ormond</u>
4:00p.m.-4:15 p.m.	Room 3	Marine environmental regulations in Saudi Arabia <u>Damna Alzahrani</u>
4:15p.m.-4:30 p.m.	Room 3	DNA barcoding and taxonomy of Saudi Arabia's endemic plants <u>Widyan Al-Amoudi</u> , <u>Dina Hajjar</u> , <u>Stephan Kremb</u> , <u>Christian Voolstra</u> , <u>Timothy Ravasi</u>
4:30p.m.-4:45 p.m.	Room 3	Environmental impacts of offshore pile driving on marine mammals in Red Sea based on range-dependent acoustic model <u>Waled Dawoud</u> , <u>Abdelazim Negm</u> , <u>Nasser Saleh</u> , <u>Mahmoud Baady</u>

		Poster Session (Lobby)
		New Cytotoxic isoprenoid derivatives from the Red Sea soft coral <i>Sarcophyton glaucum</i> <u>Ahmed Abdel-Lateff</u> , Walied Alarif, Seif-Eldin Ayyad, Sultan Al-Lihaibi
		Corrosion of carbon steel in the Red Sea: Effect of immersion time and inhibitor concentration <u>Aisha Al-Moubaraki</u> , Awatif Al-Judaibi, Maryam Asiri
		Determination of 28 different elements in seaweed from the Red Sea as bioindicator of pollution investigated using Inductively Coupled Plasma Mass Spectrometry <u>Eid Brima</u> , Parvez Haris
		Eddies in the Red Sea: A statistical and dynamical study <u>Peng Zhan</u> , Aneesh C. Subramanian, Fengchao Yao, Ibrahim Hoteit
		Far-field modelling of concentrate discharges in the Red Sea <u>Peng Zhan</u> , Aditya R. Kartadikaria, Yesubabu Viswanadhapalli, Fengchao Yao, Ganesh Gopalakrishnan, Ibrahim Hoteit
		The effect of acclimatization and acclimation on the tolerance of the Red Sea crab, <i>Portunus pelagicus</i> <u>Suhaila Qari</u> , Rabab Aljarari

		<p>Potential antimicrobial, antioxidant and anti tyrosinase activities achieved by Selected Species of Marine Macroalgae <u>Amal Hamza</u>, <u>Widad Al-Bishri</u>, <u>Hanan Omar</u>, <u>Enas Danial</u></p>
		<p>Mapping of the recent sediment and relict features in the area between Jizan and Farasan Islands south-eastern Red Sea, Saudi Arabia <u>N. Rasul</u>, <u>G. Bailey</u>, <u>A. Qutub</u>, <u>S. Nomani</u>, <u>N. Widinly</u>, <u>M. Khorsheed</u>, <u>A. Jarees</u>, <u>A. Tharowi</u>, <u>T. Bakerman</u>, <u>A. Osime</u>, <u>M. Deves</u>, <u>R. Inglis</u>, <u>M. Meredith-Williams</u>, <u>G. Momber</u>, <u>D. Sakellariou</u>, <u>G. Rousakis</u>, <u>A. Alsharekh</u></p>
		<p>Summary of an ichthyological survey of the Saudi Arabian Coast: Report on new species and species new for the Red Sea <u>Sergey V. Bogorodsky</u>, <u>Ahmad O. Mal</u>, <u>Tilman J. Alpermann</u></p>
		<p>On the generation and evolution of internal solitary waves in the southern Red Sea <u>Daquan Guo</u>, <u>Aditya Kartadikaria</u>, <u>Ibrahim Hoteit</u>, <u>Triantaphyllos Akylas</u></p>
		<p>Intertidal epilithic phytoplankton community composition and seasonal dynamics at Jeddah Coast, Red Sea <u>Hisham S. Khomayis</u>, <u>Ahmed Sas</u>, <u>Md Abu Affan</u></p>

	Sequential leach extraction of some metals (V, Ni, Pb, Zn Cu, Mn, Al, and Fe) in Surface Sediments from Al-Shabab Lagoon, Jeddah, Saudi Arabia <u>M. Orif</u>
	Study on shallow water tidal constituents at Obhur lake, Jeddah <u>V.R. Shamji, T.C. Vineesh</u>
	Antimicrobial effect of <i>Cymodocea rotundata</i> and <i>Artemisia herba-alba</i> on pathogenic bacteria and fungi <u>Tarek Y. Saif, Abdullah D. Altalhi, Munir M. Albashan, Saleh A. Rabeh</u>
	Distribution of copepod genus <i>Acartia</i> in the Saudi Coastal waters of the Red Sea <u>Muaadh A.M. Alnuwairah, Ali M. Al-Aidaroos</u>
	Heavy metal concentration in sediment and water influences the distribution of macrobenthic invertebrates in the eastern Red Sea <u>Ahmed A. Belgadi, Adnan Jameel Salama, Sathianeson Satheesh</u>
	Unknown species of the pontellid copepod genus <i>Calanopia</i> (Crustacea) collected from the central Red Sea <u>Mohsen M. El-Sherbiny, Ali M. Al-Aidaroos</u>

	<p>Paleoproductivity reconstruction of the cores taken from the oxygen minimum zone of the Eastern Arabian Sea <u>Rasiq Kelassanthodi Kurian S., Naqvi S.W.A.</u></p>
	<p>An integrated modelling and remote sensing approach for anthropogenic activity impact assessment on the western nearshore area of the Red Sea <u>Ahmed El-Adawy, Abdelazim Negm</u></p>
	<p>Study and evaluate the marine toxic effect with brine discharges from desalination plants <u>Sherien Mohamed</u></p>
	<p>Screening of some operating parameters for partial extraction of chitin by fermentation process <u>Djaber Tazdaït, Rym Salah-Tazdaït, Nadia Abdi, Nabil Mameri</u></p>
	<p>Effectiveness of biosurfactants produced by isolate FKOD36 in biodegradation of phenanthrene in soil and water system <u>Zulfiqar Ahmad, David Crowley, Muhammad Arshad</u></p>
	<p>Comparison of fisheries biology of Arabian scad, <i>Trachurus indicus</i>, Nekrasov, 1966 (F: Carangidae) caught by two different fishing methods from the Gulf of Suez <u>Manal Sabrah</u></p>

		<p>Environmental impact assessment of coastal water of Aqaba Gulf Red Sea, Egypt during 2011 – 2013</p> <p><i>Ahmed Abdel Halim, Mamdough Fahmy, Ehsan Abou El Khair, Azza Khaled, Laila Sallam</i></p>
		<p>Biodiversity of benthic dinoflagellates in the Gulf of Aqaba, northern Red Sea</p> <p><i>Maria Saburova, Igor Polikarpov</i></p>
		<p>Micro-and macroseismicity and its seismotectonic implications on Ras Mohammad area and its vicinity, northern tip of Red Sea, Egypt</p> <p><i>Hamdy Aboulela</i></p>
		<p>Water pollution and eutrophication at Alexandria coast and Lake Maryut – Egypt</p> <p><i>Hoda Soussa, Ali Abd Allah</i></p>
6:30 p.m. - 7:30 p.m.		<p>Dinner in King Faisal Convention Center</p>

Tuesday, November 11, 2014

9:00 a.m.-10:20 p.m.	Keynote Speaker and General Talks Session (Main Hall)	
9:00 a.m. - 9:40 a.m.	Main Hall	Keynote Speech: Toward an Integrated Physical/Biogeochemical Perspective on the Red Sea <u>Prof. Burton Jones</u> King Abdullah University of Science and Technology, Saudi Arabia
9:40 a.m. - 10:00 a.m.	Main Hall	The deep Red Sea and its decapod crustacean fauna: Unique in the World Ocean <u>Michael Tuerkay</u> Senckenberg Research Institute, Germany
10:00 a.m. - 10:20 a.m.	Main Hall	The Red Sea modeling and forecasting system <u>Ibrahim Hoteit</u> King Abdullah University of Science and Technology, Saudi Arabia
10:20 a.m. - 10:40 a.m.		Coffee/Tea Break
		(Session 4A) Marine Plankton
10:40 a.m. - 10:55 a.m.	Room 2	Latitudinal ecohydrographic patterns determine food sources of zooplankton in the Red Sea <u>Benjamin Kuerten</u> , <u>Ali Al-Aidarooos</u> , <u>Hisham Khomayis</u> , <u>Saskia Audritz</u> , <u>Reny Devassy</u> , <u>Ulrich Struck</u> , <u>Ulrich Sommer</u>
10:55 a.m. - 11:10 a.m.	Room 2	First observation of tumor-like anomalies (TLAs) from the copepods of Obhur creek, Jeddah coast, Central Red Sea <u>Gopikrishna Mantha</u> , <u>Ali M. Al-Aidarooos</u>

11:10 a.m. - 11:25 a.m	Room 2	Species composition, abundance and distribution of phytoplankton in the aquaculture practicing areas and coastal waters of Al-Lith, Red Sea <u>Balu Muniyandi</u>
11:25 a.m. - 11:40 a.m	Room 2	Seasonal dynamics and composition of phytoplankton with environmental factors at Jeddah coast, Red Sea <u>Hisham S. Khomayis</u> , Ahmed Sas, Md Abu Affan
11:40 a.m. - 11:55 p.m	Room 2	Optimization of <i>Haematococcus</i> sp.(Chlorophyta) culture medium for desalinated water <u>Md Abu Affan</u> , Hisham S. Khomayis
11:55 p.m. - 12:10 p.m	Room 2	First Report of PSP, DSP, ASP and NSP toxins from Qatari Waters (Arabian Gulf) <u>Abdulrahman Al-Muftah</u>
12:10p.m.-1:30 p.m.		Afternoon Snacks and Prayer
		(Session 5A) Reef Fishes 2
1:30p.m.-1:45 p.m.	Room 2	Decadal trends of Saudi Arabian Gulf coral reef fish and macroinvertebrate communities connected to regime shift in coral reef coverage Y.J Lin, L. Rabaoui, M.A. Qurban, P.K. Krishnakumar, R. Lindo, J.C. McCain, K. Al-Abdulkader, T.V. Joydas, <u>R. H. Roa-Ureta</u>

1:45 p.m. - 2:00 p.m.	Room 2	Baselines and comparisons of coral reef fish assemblages in the central Red Sea <i>Alexander Kattan, Michael Berumen</i>
2:00 p.m. - 2:15 p.m.	Room 2	Catch per unit effort and length-weight relationship of some demersal species caught in a shrimp trawl survey in Jizan fisheries <i>Mohamed Gabr, Ahmed Mal, Sergey Bogorodsky, Tilman Alpermann</i>
2:15 p.m. - 2:30 p.m.	Room 2	A comparative study on the population structure of two environmentally and genetically closely related damselfishes <i>Dascyllus aruanus</i> and <i>D. marginatus</i> in the Red Sea <i>Vanessa S. N. Robitzsch, Michael L. Berumen</i>
2:30 p.m. - 2:45 p.m.	Room 2	A data collection program for Saudi fisheries in the Arabian Gulf oriented to scientific management, stock assessment, and population dynamics <i>Rommel Maneja, Ian Benjie Belarmino, Joshua Dagoy, Yu Jia Lin, Premal Panickan, Lotfi Rabaoui, Darwin Raymundo, Abdulsali Saji, Nazeer Muhammed Zahid, Mohammed Ali Qurban, Ruben Roa-Ureta</i>
2:45 p.m. - 3:30 p.m.		Coffee/Tea Break
	Room 2	(Session 6A) Marine Ecology 2

3:30 p.m. - 3:45 p.m.	Room 2	Investigation of bacterial isolates in degradation of specific hydrocarbons <u>Assad A. Al-Thukair, Malik Karim</u>
3:45 p.m. - 4:00 p.m.	Room 2	A stock assessment model and software to assess fishery stocks in the Red Sea and the Arabian Gulf: application to the Spanish mackerel (<i>Scomberomorus commerson</i>) in the Arabian Gulf <u>Ruben Roa-Ureta</u>
4:00 p.m. - 4:15 p.m.	Room 2	Histo-cytopathological alterations in <i>Oreochromis niloticus</i> L. (Cichlidae) hepatocytes exposed to Nimbecidin® (azadirachtin) and <i>Sargassum crassifolia</i> (brown algae) <u>Asmaa Hegazy, Hawazin Mutawie</u>
4:15 p.m. - 4:30 p.m.	Room 2	Nutrient dynamics of <i>Avicennia marina</i> mangroves grown on the Red Sea coast of Saudi Arabia <u>Refaat Abohassan</u>
4:30 p.m. - 4:45 p.m.	Room 2	Isolation and Characterization of Haloalkalali thermotolerant bacteria from Red sea coast, Sinai, Egypt <u>Nevine Ghanem, Dunja-Manal Abou-zeid, Dalia El Badan, Soraya Sabry</u>
4:45 p.m. - 5:00 p.m.	Room 2	The evaluation of water contamination at coastal belt of Arabian Sea an environmental impact a case study <u>Noor Hussain Chandio, Shah Abdul Latif</u>

Tuesday, November 11, 2014

		(Session 4B) Marine Pollution
10:40 a.m. - 10:55 a.m.	Room 3	Heavy metals in the Red Sea: Overview on recent studies and future perspective <u>Abubakr Idris</u>
10:55 a.m. - 11:10 a.m.	Room 3	Assessment of metal pollution and sediment quality in the northern Red sea of Saudi Arabia using pollution load index and Geoaccumulation index <u>Karuppasamy Manikandan</u> , <i>Mohammad Qurban, Thadickal Joydas</i>
11:10 a.m. - 11:25 a.m.	Room 3	Photocatalytic degradation of naphthalene in seawater and wastewater using carbon-modified (CM)-n-TiO ₂ nanoparticles under natural sunlight <u>Yasser Shaban</u>
11:25 a.m. - 11:40 a.m.	Room 3	Environmental and socioeconomic impacts of desalination plants on coastal region <i>Abd Elnaby Kabeel</i> , <u>Ali Al-Magar</u> , <i>Emad El-Said</i>
11:40 a.m. - 11:55 a.m.	Room 3	An assessment on the water quality of the Suez Gulf coastal waters as one of the Red Sea regions during 2011 – 2013 <u>Mamdouh Fahmy</u> , <i>Ahmed Abdel Halim, Ehsan Abou El Khair, Hoda Hafez, Ahmed El Nemr</i>
11:55 a.m. - 12:10 p.m.	Room 3	Environmental monitoring survey for Doha and Umm-Said harbours of Qatar, Arabian Gulf water <u>Hosny Emara</u>
12:10 p.m.-1:30 p.m.		Afternoon Snacks and Prayer

		(Session 5B) Marine Chemistry and Biochemistry
1:30 p.m. - 1:45 p.m.	Room 3	Bioactive compounds from Saudi Red Sea species as a potential source of pharmaceuticals <i>Sultan S. Al-Lihaibi, Walied M. Alarif, Yasuyuki Nogata, Ahmed Abdel-lateff, Seif-Eldin N. Ayyad, Tatsufumi Okino</i>
1:45 p.m. - 2:00 p.m.	Room 3	Antimicrobial scalarane-type sesterterpenes from the Red Sea sponge <i>Hyrtios erectus</i> <i>Walied M. Alarif, Sultan S. Al-Lihaibi, Seif-Eldin N. Ayyad</i>
2:15 p.m. - 2:30 p.m.	Room 3	Novel spiro compound from red alga <i>Laurencia obtuse</i> <i>Mohammed Ghandourah, Walied Alarif, Sultan Al-Lihaibi</i>
2:30 p.m. - 2:45 p.m.	Room 3	Bioactive metabolites from the Egyptian Red Sea fungi with potential anti-HCV protease effect <i>Usama Hawas, Eman Ahmed, Ali Halwany, Ahmed Atif, Waill Ahmed, Lamia Abou El-Kassem</i>
2:45 p.m. - 3:00 p.m.	Room 3	Huge health potential of marine omega-3 fatty acids <i>Shahida Khan</i>
3:00 p.m. - 3:30 p.m.		Coffee/Tea Break

		(Session 6B) Marine Chemistry
3:30p.m. - 3:45 p.m.	Room 3	Environmental conditions of the surface water of the Red Sea Egyptian coastal waters; during 2011-2013 <i>Ehsan Abou El Khair, Ahmed Abdel Halim, <u>Mamdouh Fahmy</u>, Mohamed Shredah, Ahmed Hemeily</i>
3:45p.m. - 4:00 p.m.	Room 3	Calcium carbonate saturation levels of the Red Sea coast of Yemen and biogeochemical effects of excess CO ₂ <i><u>Ahmed Rushdi</u></i>
4:00p.m. - 4:15 p.m.	Room 3	The inorganic carbon cycle in the Red Sea studied using five years long coastal time series and historical cruise data <i><u>Abdirahman M. Omar</u> , <u>Elsheikh Bashir Ali</u>, Ingunn Skjelvan, Truls Johannessen</i>
4:15p.m. - 4:30 p.m.	Room 3	Extremely halophilic archaeon from the Red Sea as source of antimicrobial agents <i><u>Parvez Haris</u></i>
4:30p.m. - 4:45 p.m	Room 3	Use of in-depth cytological profiling of fractionated extracts of Red Sea organisms for bioprospecting <i><u>Stephan Kremb</u>, <u>Horst Wolff</u>, <u>Sami Al Qarawi</u>, <u>Timothy Ravasi</u>, <u>Christian R Voolstra</u></i>

4 : 45 p . m . - 5 : 00 p . m	Room 3	Prediction of concentrations of Fe, Mn and Zn in the Red Sea sediments from the physicochemical parameters <i><u>Abdelaziz Abdallaoui</u>, Hicham El Badaoui, Said Laafou, Kaoutar Elazhari</i>
7 : 30 p . m . - 10 : 30 p . m .		Commissioning Ceremony of the new KAU Research Vessel (AlAzizi)/Dinner in Obhur Campus

Wednesday, November 12, 2014

9:00 a.m.-10:20 p.m.	Keynote Speaker and General Talks Session (Main Hall)	
9:00 a.m. - 9:40 a.m.	Main Hall	Keynote Speech: The impacts of climate changes on the marine environment <u>Prof. Carlos Duarte</u> University of Western Australia, Australia
9:40 a.m. - 10:00 a.m.	Main Hall	Satellite imaging coral reefs: Mapping the Red Sea marine environment to support its conservation and management <u>Gwilym Rowlands</u> Prince Khaled bin Sultan Living Oceans Foundation
10:00 a.m. - 10:20 a.m.	Main Hall	Red Sea biodiversity surveys along the coast of Saudi-Arabia: Results of phase 1 (2011 to 2014) of a research cooperation between the King Abdulaziz University, Jeddah, Saudi Arabia and the Senckenberg Nature Research Society, Frankfurt, Germany <u>Moritz Sonnewald</u> Senckenberg Research Institute, Germany
10:20 a.m. - 10:40 a.m.		Coffee/Tea Break
		(Session 7A) Coral Reefs 1
10:40 a.m. - 10:55 a.m.	Room 2	Physiological plasticity and depth distribution of the coral <i>Pocillopora verrucosa</i> in the central Red Sea <u>Maren Ziegler, Cornelia Roder, Claudia Buechel, Christian R. Voolstra</u>

10:55 a.m. - 11:10 a.m.	Room 2	Deep-water corals in the northern Red Sea waters of Saudi Arabia - an underwater evaluation and assessment <i><u>Mohammad Qurban</u>, P.K. Krishnakumar, Thadikal Joydas, Karuppasamy Manikandan, Ali Qasem, Stephen. D Cairns</i>
11:10 a.m. - 11:25 a.m.	Room 2	Coral microbiome is driven by ecological niche adaptation <i><u>Christian Voolstra</u>, Cornelia Roder, Till Bayer, Manuel Aranda, Maren Kruse, Christoph Walcher</i>
11:25 a.m. - 11:40 a.m.	Room 2	Present Status of coral reefs at Rabigh, Red Sea waters of Saudi Arabia <i><u>Krishnakumar P K</u>, Mohammad A Qurban, Reynaldo T Lindo, Bhat L K, Salah El-Din A. Selim</i>
11:40 a.m. - 11:55 p.m.	Room 2	Current ecological status of the Scleractinian corals of Sharm Obhur <i><u>Jerald Wilson</u>, Abdulmohsin Al-Sofyani</i>
11:55 p.m. - 12:10 p.m.	Room 2	Differential growth and survival of corals at fringing reef sites in the Jeddah region <i><u>Rupert Ormond</u>, Abdulmohsin Al-Sofyani, Khalid Zubier, Jerald Wilson, Salman Al Ahmadi, Jaffar Omar, Adam Porter, Christian Voolstra</i>
12:10p.m.-1:30 p.m.		Afternoon Snacks and Prayer

		(Session 8A) Coral Reefs 2
1:30 p.m. - 1:45 p.m.	Room 2	Coral holobiont responses to nutrient enrichment in the Central Red Sea <i><u>Claudia Pogoreutz</u>, Nils Rådecker, Christian R Voolstra, Christian Wild</i>
1:45 p.m. - 2:00 p.m.	Room 2	Thermal tolerance of Red Sea corals and influences of past bleaching events <i><u>Eslam Osman</u>, David Smith, Christian Voolstra, Constanze Conrad, Michael Berumen, David Suggett</i>
2:00 p.m. - 2:15 p.m.	Room 2	Genetics and micromorphology reveal the presence of several hidden lineages within the Scleractinian coral species <i><u>Leptoseris mycetoseroides</u> <u>Tullia Isotta Terraneo</u>, Michael Lee Berumen, Roberto Arrigoni, Francesca Benzoni</i>
2:15 p.m. - 2:30 p.m.	Room 2	Molecular diversity of reef-building coral symbionts around the Arabian Peninsula <i><u>Chatchanit Arif</u>, Cornelia R. Roder, Adrian Barbrook, Christopher J. Howe, Todd LaJeunesse, Sergey Dobretsov, John Burt, Christian R. Voolstra</i>
2:30 p.m. - 2:45 p.m.	Room 2	Biological drivers of reef formation in the Central Red Sea <i><u>Anna Roik</u>, Till Rothig, Cornelia Roder, Christian R. Voolstra</i>
2:45 p.m. - 3:30 p.m.		Coffee/Tea Break

		(Session 9A) Coral Reefs 3
3:30 p.m. - 3:45 p.m.	Room 2	Effect of salinity on physiology and bacterial community of <i>Fungia granulosa</i> from the Red Sea <i>Till R��thig, Riaan van der Merwe, Michael Ochsenkuhn, Anna Roik, Christian Voolstra</i>
3:45 p.m. - 4:00 p.m.	Room 2	Reproductive seasonality of the <i>Acropora</i> assemblage in the central Red Sea <i>Jessica Bouwmeester, Andrew Baird, Alasdair Edwards, James Guest, Andrew Bauman, Michael Berumen</i>
4:00 p.m. - 4:15 p.m.	Room 2	A rapid assessment of Scleractinian and non-Scleractinian coral growth forms along the Saudi Arabian coast, Red Sea <i>Abdulmohsin A. Al-Sofyani, Jerald Wilson</i>
4:15 p.m. - 4:30 p.m.	Room 2	Latitudinal variation in symbiodinium of the zoanthid <i>Palythoa tuberculosa</i> in the Red Sea <i>Marcela Herrera Sarrias, Alexander Kattan I, Remy Gatins, May Roberts, Michael L. Berumen, James D. Reimer</i>
4:30 p.m. - 4:45 p.m.	Room 2	Absence of genetic differentiation in the coral <i>Pocillopora verrucosa</i> along environmental gradients in the Red Sea <i>Vanessa S. N. Robitzsch, Eulalia Banguera-Hinestroza, Yvonne Sawall, Abdulmohsin Al-Sofyani, Christian R. Voolstra</i>

Wednesday, November 12, 2014

		(Session 7B) Marine Geology 1
10:30 a.m. - 10:45 a.m.	Room 3	Environmental conditions of late Pleistocene raised reefal limestone of the Jeddah coastal plain, Saudi Arabia <u>Rashad Bantan</u> , Ramadan Abu-Zied, Rabea Haredy
10:45 a.m. - 11:00 a.m.	Room 3	Distribution pattern and environmental significance of diatom assemblages from the coastal sediments of Al-Hodeidah area, South Red Sea, Yemen <u>Abdelfattah Zalut</u>
11:00 a.m. - 11:15 a.m.	Room 3	Paleoclimate and sea level changes in the Shuaiba Lagoon during the last 3.6 kyr, eastern Red Sea coast, Saudi Arabia <u>Ramadan Abu-Zied</u> , Rashad Bantan
11:15 a.m. - 11:30 a.m.	Room 3	Fossil diatom assemblages from the bottom sediments of three lagoons on the central part of the Red Sea coast of Saudi Arabia and their environmental significance <u>Abdelfattah Zalut</u> , Ibrahim Ghandour, Ali Basaham
11:30 a.m. - 11:45 a.m.	Room 3	Geochemical background for the Red Sea coastal sediments: Implication for future environmental monitoring and assessment <u>Ali S. Basaham</u> , Mohamed A. El-Sayed, Ibrahim M. Ghandour, Harue Masuda
11:45 a.m. - 12:00 p.m.	Room 3	Late Quaternary Paleoproductivity and variations of Biogenic fluxes in sediments from North-Western Arabian Sea <u>Athar Ali Khan</u>

12:05 p.m. - 1:30 p.m.		Afternoon Snacks and Prayer
		(Session 8B) Marine Geology 2
1:30p.m. - 1:45 p.m.	Room 3	The influence of microbial mats in the formation of sand volcanoes and mounds in the Red Sea coastal plain, south Jeddah, Saudi Arabia <u>Rushdi Taj and Mahmoud Aref</u>
1:45p.m. - 2:00 p.m.	Room 3	Carbonate cementation patterns in the Gulf of Aqaba beach rocks, Saudi Arabia <u>Ibrahim Ghandour, Rabea Haredy, Hamad Al-Washmi, Ahmet Erginal</u>
2:00p.m. - 2:15 p.m.	Room 3	Sedimentological and petrographic characteristics of halite crusts in <i>Ṣarūm ephemeral</i> halite pan, South Jeddah, Red Sea coast, Saudi Arabia <u>Mahmoud Ahmed Aref, Rushdi Jamal A. Al-Ghani Taj, Ali A. Khofani</u>
2:15p.m. - 2:30p.m.	Room 3	Modeling saltwater intrusion along Jeddah coast using multiple spreadsheets <u>Amro Elfeki, Jarbou Bahrawi</u>
2:30 p.m.-2:45 p.m.	Room 3	Microbially induced sedimentary structures of recent coastal sabkha along Al Kuwaizi area, Red Sea coast, Yemen <u>Saeed Wasel, Mohammed Al-Wosabi</u>
2:45p.m. - 3:30p.m.		Coffee/Tea Break

		(Session 9B) Marine Geology 3
3:30p.m. - 3:45 p.m.	Room	Identification of temporal shifting trends of submarine Indus-Cayon, Pakistan <u>Gohar Ali Mahar, Nayyar Alam Zaigham</u>
3:45p.m. - 4:00 p.m.	Room 3	The geomorphology of shallow water coral reef environment in the Red Sea <u>Gwilym Rowlands, Philip Renaud, Andrew Bruckner, Sam Purkis</u>
4:00p.m. - 4:15 p.m.	Room 3	Geochemical forms of heavy metals in the Gulf of Aden sediments, Yemen <u>Shaif Saleh</u>
5:00p.m. - 5:45 p.m.		Recommendation and Conference Closing



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