

## WHOI Undergraduate Poster Sessions, Aug 11, 2022 - Clark 507

Session I - AOPE, G&G, PO (10am-noon)	
<b>Muhammad Haikal Ezhar Abu Bakar (SSF)</b> University of Colorado Boulder <i>Advisor: Delia Oppo, G&amp;G</i>	Last Millennium Reconstruction of Thermocline Variability in the Makassar Strait, Indonesia – Implications for Large Scale Winds
<b>Jean Clemente (SSF)</b> Bowdoin College <i>Advisors: Sune Nielsen, G&amp;G &amp; Peter Barry, MC&amp;G</i>	Timing the Paleozoic oxygenation of the deep ocean using thallium isotopes
<b>Audrey Grimes (SSF)</b> Middlebury College <i>Advisor: Anthony Kirincich, PO</i>	Observing Spatial Variability of Offshore Wind Patterns in the Cape Cod Region
<b>Prajna Jandial (SSF)</b> Vellore Institute of Technology <i>Advisor: Yogesh Girdhar, AOPE</i>	Quantifying Noise Response of Squid Schools
<b>Namitha Kumar (SSF)</b> University of Michigan <i>Advisors: Veronique Le Roux, Andrew Cross &amp; Rellie Goddard, G&amp;G</i>	Determining the Strength of the Oceanic Crust: A Geochemical and Microstructural Investigation of ODP Hole 735B, Southwest Indian Ridge
<b>Guransh Mann (SSF)</b> University of Arizona <i>Advisor: Richard Camilli, AOPE</i>	The Future of Autonomous Underwater Gliders
<b>Alexis Mullen (SSF)</b> Bowdoin College <i>Advisor: Viviane Menezes, PO</i>	Uncovering Circulatory Pathways in the Indian Ocean
<b>Nimrod Rozen (SSF)</b> University of Victoria <i>Advisors: Irina Rypina, Alison Macdonald &amp; Sachiko Yoshida, PO</i>	A Deeper View of the North-Pacific: Transport and Spreading Pathways at 1000 Metres According to Argo
<b>Jack Ryan (SSF)</b> University Of Massachusetts, Lowell <i>Advisor: Carl Hartsfield, AOPE</i>	Oil Compensation – REMUS Vehicles
<b>Ashley Scheffler (SSF)</b> Haverford College <i>Advisors: Caroline Ummenhofer &amp; Svenja Ryan, PO</i>	Coastal Oxygen Minimum Zones Linked to Hadley Circulation

Session II - BIO, MC&G, MPC (2pm-4pm)	
<b>Annabella Amato (SSF)</b> University of California, Los Angeles <i>Advisors: David Nicholson &amp; Heather Kim, MC&amp;G</i>	Net Community Production in the Subtropical North Atlantic: Modeling and Observations
<b>Cassandra Bartels (SSF)</b> Barnard College <i>Advisors: Peter Barry, MC&amp;G &amp; Sune Nielsen, G&amp;G</i>	Investigating mechanisms of volatile release throughout the Central Volcanic Zone
<b>Jaida Buchanan (SSF)</b> University of Massachusetts, Amherst <i>Advisor: Camrin Braun, BIO</i>	Shortfin Mako Shark Habitat Suitability Within Offshore Wind Farms
<b>Kayla Cayemitte (SSF)</b> Ursinus College <i>Advisor: Amy Apprill, MC&amp;G</i>	Ramicrusta: The New Threat to Corals in the Caribbean
<b>Ryan Galusha (SSF)</b> California Polytechnic State Univ, San Luis Obispo <i>Advisor: Matthew Long, MC&amp;G</i>	Rapid Design of a Seawater AutoSampler

<p><b>Gabriel Girouard</b> (CC-CREW) Cape Cod Community College <i>Advisors: Eric Ryberg &amp; Colleen Hansel, MC&amp;G</i></p>	Photochemical Reaction Pathways forming Manganese Oxides on Earth & Beyond
<p><b>Rohan Gowda Thanh Quang</b> (SSF) Pomona College <i>Advisor: Di Jin, MPC</i></p>	Assessing the economic potential for a mesopelagic fishery as an additional source of fishmeal for global aquaculture
<p><b>James Heiser</b> (SSF) University of Tampa <i>Advisor: Carolyn Tepolt, BIO</i></p>	Immune Responses of a Mud Crab Host to a Novel Body-Snatching Parasite
<p><b>Gabriella Brianna Kearns</b> (CC-CREW) Quinsigamond Community College <i>Advisors: Gretta Serres &amp; Julie Huber, MC&amp;G</i></p>	Growth Characteristics of Multiple Strains of the Autotrophic Deep-Sea Vent Bacterium <i>Hydrogenovibrio</i>
<p><b>Helena Lyng-Olsen</b> (SSF) Yale University <i>Advisors: Hauke Kite-Powell &amp; Yaqin Liu (MPC)</i></p>	Determining the Economic Viability of Ocean-Based Carbon Dioxide Removal with Seaweed Farms
<p><b>Parker Mooney</b> (PEP) Boston College <i>Advisor: Lauren Mullineaux, BIO</i></p>	Salt Marsh Ecology: The Behavioral Responses of <i>Ilyanasa obsoleta</i> When Parasitized by Trematodes
<p><b>Mikayla Newbrey</b> (CC-CREW) Cape Cod Community College <i>Advisors: Sara Shapiro &amp; Carolyn Tepolt, BIO</i></p>	A Toolkit For Population Genetic Analysis In Invasive European Green Crabs
<p><b>Jillian Paquette</b> (PEP) Davidson College <i>Advisor: Heidi Sosik, BIO</i></p>	Seasonal patterns in abundance differ among ciliate taxa at Martha's Vineyard Coastal Observatory (MVCO)
<p><b>Kali Pate</b> (CC-CREW) Cape Cod Community College <i>Advisors: Danielle Haas Freeman &amp; Collin Ward, MC&amp;G</i></p>	Biodegradation of Oil Transformed by Sunlight
<p><b>Alese Schofield</b> (CC-CREW) Massasoit Community College <i>Advisors: Maggi Mars Brisbin, Harriet Alexander, BIO &amp; Mak Saito, MC&amp;G</i></p>	Bacterial vitamin-B12 metabolism under different temperature regimes
<p><b>Juanita Villa Jaramillo</b> (CC-CREW) Community College of Rhode Island <i>Advisors: Gretta Serres &amp; Julie Huber, MC&amp;G</i></p>	Growth Characteristics of Multiple Strains of the Autotrophic Deep-Sea Vent Bacterium <i>Hydrogenovibrio</i>