

## OCB2019 POSTER LIST (alphabetical by author)

<b>Presenting Author</b>	<b>Poster Title</b>	<b>Session/Topic</b>
<b>Archibald, Kevin</b>	Grazer-mediated coexistence of competing phytoplankton species using the Kill-the-Winner functional response	Allometry
<b>Bishop, James</b>	Autonomous optics of the ocean biological carbon pump: PIC	Calcification
<b>Blanco-Bercial, Leocadio</b>	Zooplankton community response to seasonality at BATS by metabarcoding	General
<b>Bourbonnais, Annie</b>	Temporal changes in nitrous oxide sources and sea-air fluxes in the Southern Benguela	Land-ocean continuum
<b>Buesseler, Ken</b>	EXPORTS: using high resolution studies of thorium-234 at Ocean Station PAPA to elucidate spatial and temporal variability in particle export and attention	General
<b>Busecke, Julius J.M.</b>	The equatorial undercurrent and the Oxygen Minimum Zone in the Pacific	Oxygen
<b>Carberry, Luke</b>	Correcting in situ chlorophyll fluorescence time series observations for non-photochemical quenching and tidal variability reveals non-conservative phytoplankton variability in coastal waters	Land-ocean continuum
<b>Chaichitehrani, Nazanin</b>	Remote sensing-derived zooplankton biomass and grazing: Analyzing errors associated with models	General
<b>Cliff, Ellen</b>	Glacial deep ocean deoxygenation driven by biologically enhanced air-sea disequilibrium	General
<b>Cruz, Bianca N.</b>	Investigating zooplankton mediation of sinking particle flux in the Sargasso Sea	General
<b>D'Sa, Eurico</b>	Hurricane floodwater impact on optical-biogeochemical properties and carbon fluxes in a large estuary from ocean color	Land-ocean continuum
<b>Da, Fei</b>	Impacts of atmospheric nitrogen deposition and coastal nitrogen fluxes on oxygen concentrations in Chesapeake Bay	Oxygen

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<b>Doney, Scott</b>	Geostatistical analysis of mesoscale ocean biophysical variability in the western North Atlantic from field observations, remote sensing and numerical modeling	General
<b>Dufault-Thompson, Keith</b>	Metabolic remodeling under temperature acclimation: a case study in the <i>Shewanella</i> genus	General
<b>Durkin, Colleen</b>	A visual tour of carbon export pathways by sinking particles across ocean basins, depth, and time	EXPORTS/ Biological Pump
<b>Estapa, Meg</b>	Episodic particle flux: a sampling artifact?	Allometry
<b>Feng, Zhixuan</b>	Modeling the phytoplankton bloom dynamics on the northwest Atlantic Shelf: Spatial heterogeneity and interannual variability	Land-ocean continuum
<b>Floge, Sheri</b>	Marine viruses stimulate carbon flux to lower and higher trophic levels	General
<b>Fong, Michael</b>	Distribution of excess alkalinity in the open ocean	General
<b>Fowler, Bethany</b>	One million matrices: Size-structured modeling reveals in situ phytoplankton dynamics.	General
<b>Garcia, Catherine</b>	Remote sensing of global ocean surface phosphate concentrations	General
<b>Gill, Sophie</b>	The calcification response of coccolithophores to elevated ocean alkalinity	Calcification
<b>Grubb, Austin</b>	The costs and benefits of calcification on coccolithophore physiology	Calcification
<b>Guerra, Roberta</b>	Porewater alkalinity in the Bay of Cádiz (north east Atlantic)	Seafloor
<b>Hagstrom, George</b>	Drivers of phytoplankton C:N:P	General
<b>Holder, Christopher</b>	Comparing biogeochemical model outputs using neural network ensembles	General
<b>Holland, Laura</b>	Interannual comparison of diatom community composition in the Western Antarctic Peninsula	General

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<b>Irving, John</b>	Quantifying the sequestration time of remineralized CO <sub>2</sub> in the California Current ecosystem using the MITgcm Lagrangian Floats Package	Land-ocean continuum
<b>Ito, Taka</b>	An Earth System Model large ensemble with increased access for ocean biogeochemistry	Oxygen
<b>Johns, Christopher</b>	Coccoliths as adsorptive reservoirs	Calcification
<b>Kelly, Thomas</b>	The biogeochemical impact of an across-shore filament in the California Current Ecosystem	General
<b>Kinjo, Lumi</b>	Measuring noble gas fluxes at high wind speeds in the SUSTAIN wind-wave tank	General
<b>Lange, Priscila</b>	Methods to distinguish phytoplankton groups from remote-sensing reflectance in subtropical waters	General
<b>Li, Xinyu</b>	Purified meta-cresol purple dye perturbation: how much will it influence spectrophotometric pH measurement?	General
<b>Li, Yun</b>	Desynchronization between sea ice and phytoplankton bloom in a changing Antarctic	General
<b>Long, Jacqueline</b>	Climatological context for the 2018 North Pacific EXPORTS field campaign	EXPORTS/ Biological Pump
<b>Lopez, Chelsi N.</b>	Seasonal dynamics of organic carbon in the deep eastern North Pacific	General
<b>Maas, Amy</b>	Zooplankton metabolism, active flux, and contribution to aou in the N.E. Pacific Ocean	EXPORTS/ Biological Pump
<b>Marrec, Pierre</b>	Plankton population dynamics and food web structure on the Northeast US Shelf (NES-LTER): Early indication of seasonal shifts in production regimes	General
<b>Mayot, Nicolas</b>	Springtime coupling between Arctic sea ice export and phytoplankton blooms in the Greenland Sea	General
<b>McNair, Heather</b>	Tight coupling between herbivorous predation and phytoplankton production in the oligotrophic North Pacific (EXPORTS)	EXPORTS/ Biological Pump

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<b>Menendez, Alana</b>	Optical characterization of water quality in the Long Island Sound	Land-ocean continuum
<b>Michaud, Cynthia</b>	Effects of phytoplankton composition and biominerals on the episodic pulses of particulate organic carbon to abyssal depths	General
<b>Moriarty, Julia</b>	Redistribution of particulate matter following marsh lateral erosion in a back-barrier estuary	Land-ocean continuum
<b>Neeley, Aimee</b>	The NASA and IOCCG protocols renewed: Reestablishing best practices for exceptional in situ measurements	General
<b>Neuer, Susanne</b>	<i>Synechococcus</i> and <i>Prochlorococcus</i> : A tale of two cyanobacteria	General
<b>Nickford, Sarah</b>	Direct wintertime pCO <sub>2</sub> observations from the Sairdron Gulf Stream mission	General
<b>Oddo, Matias</b>	Running PCA on the world ocean	Allometry
<b>Ouyang, Zhangxian</b>	Sea-ice loss amplifies summer-time decadal CO <sub>2</sub> increase in the western Arctic Ocean	Calcification
<b>Pavia, Frank</b>	A global database of size fractionated POC and PIC concentrations compared to satellite-based estimates	General
<b>Pham, Anh</b>	Anthropogenic Fe and N deposition alters the ecosystem and carbon balance of the southern Indian Ocean	General
<b>Rafter, Patrick</b>	Anomalous >2000 year old surface ocean radiocarbon points to increased carbon flux from seafloor during deglaciation	Seafloor
<b>Roca Martí, Montserrat</b>	Polonium-210 and Lead-210 as tracers of particle export and attenuation on the first EXPORTS cruise at Station PAPA	EXPORTS/ Biological Pump
<b>Rutherford, Krysten</b>	Model-data assessment of Scotian Shelf carbon dynamics: A spatially varied and biologically active system	Land-ocean continuum
<b>Schultz, Cristina</b>	Modeling the biogeochemistry and carbon cycle of the West Antarctic Peninsula	Land-ocean continuum
<b>Shepherd, Adam</b>	BCO-DMO: Accelerating scientific discovery through responsive data management practices	Data Management

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<b>Sheu, Jessica</b>	Automated identification of sinking marine particle images using transfer learning	General
<b>Siegel, David</b>	The EXport Processes in the Ocean from RemoTe Sensing (EXPORTS) Field Campaign	EXPORTS/ Biological Pump
<b>Sosik, Heidi M.</b>	The Ocean Twilight Zone Project	General
<b>Sosik, Heidi</b>	Quantitative size and biomass distributions from particle images: An improved algorithm applied to IFCB observations	Allometry
<b>Steinberg, Deborah</b>	Mesozooplankton community structure and diel vertical migration in the subarctic N.E. Pacific Ocean, Station P	EXPORTS/ Biological Pump
<b>Stöven, Tim</b>	Ventilation and oxygen supply of the eastern tropical North Atlantic Oxygen Minimum Zone	Oxygen
<b>Su, Jianzhong</b>	A bay-wide self-regulated pH buffer mechanism in response to eutrophication and acidification in Chesapeake Bay	Calcification
<b>Takeshita, Yuichiro</b>	Performance of the Deep-Sea-Durafet pH sensor on a spray glider in the central California Current System	General
<b>Tang, Weiyi</b>	Data-driven modeling of the distribution of diazotrophs in the global ocean	General
<b>Thibodeau, Tricia</b>	Environmental controls on pteropod metabolism along the Western Antarctic Peninsula	Allometry
<b>Thomas, Jennifer</b>	Impacts of estuarine dynamics on CO <sub>2</sub> air-sea exchange	General
<b>Tsao, Shou En</b>	Quantifying processes controlling the surface water carbon dynamics: Case study at the PN Line Time Series data and HOTS Station	Calcification
<b>Tseng, Chun-Mao</b>	Characterizing the spatiotemporal pCO <sub>2</sub> dynamics associated with water masses in the river-dominated East China Sea	General
<b>Wagner, Charlotte</b>	Ocean biogeochemistry drives sustained seawater concentrations of persistent organic pollutants	General

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<b>Wang, Jiaze-</b>	Rapid adaption of the microbial community to abrupt environmental change in the Gulf of Mexico modeled with the Genome-based EmergeNt Ocean Microbial Ecosystem Model	General
<b>Whitmore, Laura</b>	To the North Pole and back: A pan-Arctic barium synthesis	General
<b>Widner, Brittany</b>	Quantification of dissolved metabolites in seawater and diatom cultures	General
<b>Wosley, Ryan</b>	Freshening of the western Arctic negates anthropogenic carbon uptake potential	General
<b>Wyatt, Abigale</b>	Spatial and temporal variability of the biological pump in the northeast Pacific	EXPORTS/ Biological Pump
<b>Xue, Z. George</b>	Understanding and quantifying carbon export to global oceans through deltaic systems	Land-ocean continuum
<b>Ziegler, Lisa</b>	Finite Volume Community Ocean Model (FVCOM) provides high spatio-temporal hydrodynamics to inform biogeochemical wetland-estuarine models.	Land-ocean continuum