List Of 2016 Reports

ID#	Title, First Author, and Category	Status
3	**Title:** Molecular Composition and Bioavailability of Dissolved Organic Nitrogen in a Lake Flow-Influenced River in South Florida, USA **First Author:** Pisani, O, Florida International University, Southeast Environmental Research Center and Department of Chemistry & Biochemistry, Oliva.Pisani@ARS.USDA.GOV **PI:** Jaffe, R, Florida International University, Southeast Environmental Research Center and Department of Chemistry & Biochemistry, jaffer@fiu.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Submitted to** Aquatic Sciences **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
4	**Title:** Charcoal Photodissolution: A Potential Source of Dissolved Black Carbon in Aquatic Environments **First Author:** Roebuck, J.A., Florida International University, Southeast Environmental Research Center and Department of Chemistry and Biochemistry, jroeb002@fiu.edu **PI:** Jaffé, R, Florida International University, Southeast Environmental Research Center and Department of Chemistry and Biochemistry, jaffer@fiu.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Submitted to** Organic Geocemistry **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
6	**Title:** DOM Composition and Transformation in Boreal Forest Soils: The Effects of Temperature and Organic-Horizon Decomposition State **First Author:** O'Donnell, J.A., National Park Service, jonathan_o'donnell@nps.gov **PI:** O'Donnell, J.A., National Park Service, jonathan_o'donnell@nps.gov **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Journal of Geophysical Research: Biogeosciences **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
13	**Title:** Untargeted Characterization of Dissolved Organic Matter Transformations by Bacterioplankton **First Author:** Medeiros, PM, University of Georgia, Marine Sciences, medeiros@uga.edu **PI:** Medeiros, PM, University of Georgia, Marine Sciences, medeiros@uga.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
18	**Title:** Benefits of Multidimensional Fractionation for the Study and Characterization of Natural Organic Matter **First Author:** Brown, T.A., University of South Alabama, Chemistry, tab1006@jagmail.southalabama.edu **PI:** Stenson, A.C., University of South Alabama, Chemistry, astenson@southalabama.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Journal of Chromatography A V:1470, PPG: 84-96 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
55	**Title:** Characterization of Products from Fast and Isothermal Hydrothermal Liquefaction of Microalgae **First Author:** Faeth, J.L., University of Michigan, Chemical Engineering, faethjul@gmail.com **PI:** Savage, P.E., Pennsylvania State University, Chemical Engineering, psavage@engr.psu.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** AIChE Journal 62 / 3 / (815-828) **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
57	**Title:** 4 Years after the Deepwater Horizon Spill: Molecular Transformation of Macondo Well Oil in Louisiana Salt Marsh Sediments Revealed by FT-ICR Mass Spectrometry **First Author:** Chen, H, NHMFL, Huan.chen@magnet.fsu.edu **PI:** McKenna, A.M. , N H M F L , Amy McKenna **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Environ. Sci. Technol. 50/17/9061-9069 **Sign. Achievement: Yes** **Director's Recommendation: Yes, definitely** **Director's Comments:** None	Edited
89	**Title:** Adsorptive Fractionation of Compost DOM by Mineral Soil and Polymeric Resins **First Author:** Young, R, Colorado State University, Soil and Crop Sciences, robert.b.young@colostate.edu **PI:** Avneri-Katz, S, Hebrew University of Jerusalem, Soil and Water Sciences, shaniavn@gmail.com **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Accepted by** Organic Geochemistry **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
131	**Title:** Biodegradability and Molecular Composition of Dissolved Organic Nitrogen in Urban Stormwater Runoff and Outflow Water from a Stormwater Retention Pond **First Author:** Lusk, M G, University of Florida, Institute of Food and Agricultural Sciences, mary.lusk@ufl.edu **PI:** Lusk, M G, University of Florida, Institute of Food and Agricultural Sciences, mary.lusk@ufl.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Environ. Sci. Technol. 50:3391-3398 **Sign. Achievement: Yes** **Director's Recommendation: Yes** **Director's Comments:** None	Edited
132	**Title:** Dissolved Organic Nitrogen in Urban Streams: Biodegradability and Molecular Composition Studies **First Author:** Lusk, M G, University of Florida, Institute of Food and Agricultural Sciences, mary.lusk@ufl.edu **PI:** Lusk, M G, University of Florida, Institute of Food and Agricultural Sciences, mary.lusk@ufl.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Water Research 96:225-235 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
149	**Title:** High Resolution MS of Photoreated Crude Oil **First Author:** Tarr, M.A., University of New Orleans, Department of Chemistry, mtarr@uno.edu **PI:** Tarr, M.A., University of New Orleans, Department of Chemistry, mtarr@uno.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Published in** Oceanography 29 (3), 126-135 **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
223	**Title:** High-Field EPR of Cobalt Oxide Water Oxidation Electrocatalysts **First Author:** Wall, R.M., UC Davis, Chemistry, rwall@ucdavis.edu **PI:** Britt, R.D., UC Davis, Chemistry, rdbritt@ucdavis.edu **Category:** Chemistry - Environmental **Facility:** EMR Facility **Highest Measured Field:** 6.5 T **UCGP:** No **VSP:** No **Publication Status:** Not at this time **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
240	**Title:** Coherent Spectroscopy at 25 Tesla in a Photosynthetic Protein Complex **First Author:** Maiuri, M, Princeton University, mmaiuri@princeton.edu **PI:** Scholes, GD, Princeton University, mmaiuri@princeton.edu **Category:** Chemistry - Environmental	Edited

	Facility: DC Field Facility **Highest Measured Field:** 25 T **UCGP:** No **VSP:** No **Submitted to** Nature Chem. **Sign. Achievement:** No **Director's Recommendation:** **Yes** **Director's Comments:** None	
256	**Title:** Transformation of Water-Extractable Soil and Litter Organic Matter during Combustion **First Author:** Young, R., Colorado State University, Soil & Crop Sciences, robert.b.young@colostate.edu **PI:** Young, R., Colorado State University, Soil & Crop Sciences, robert.b.young@colostate.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
265	**Title:** Correlating Triplet Excited State Properties of Dissolved Natural Organic Matter (DOM) with Molecular Characteristics of DOM Using FTICR Mass Spectrometry **First Author:** McCabe, A.J., University of Minnesota, Civil, Environmental, and Geo- Engineering, mccab117@d.umn.edu **PI:** Arnold, W.A., University of Minnesota, Civil, Environmental, and Geo- Engineering, arnol032@umn.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
350	**Title:** Polar Lipid Composition of Biodiesel Algae Candidates Nannochloropsis oculata and Haematococcus pluvialis from On-Line Nano Liquid Chromatography Electrospray Ionization 14.5 Tesla Fourier Transform Ion Cyclotron Resonance Mass Spectrometry **First Author:** Liu, P., Florida State University, Chemistry & Biochemistry, pliu@chem.fsu.edu **PI:** Marshall, A. G., NHMFL; Florida State University, Chemistry & Biochemistry, marshall@magnet.fsu.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 14 T **UCGP:** No **VSP:** No **Published in** Energy & Fuels 30 (10), 8270–8276 (2016) **Sign. Achievement:** **Yes** **Director's Recommendation: No** **Director's Comments:** None	Edited
385	**Title:** Characterization of Surface Oxides from Weathering Steel Transmission Lines Structures **First Author:** Matta, F, U. South Carolina, FMATTA@sc.edu **PI:** Matta, F, U. South Carolina, FMATTA@sc.edu **Category:** Chemistry - Environmental **Facility:** EMR Facility **Highest Measured Field:** 8 T **UCGP:** **Yes** **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
396	**Title:** Investigating Sulfur Incorporation into Dissolved Organic Matter **First Author:** Ryan, J.N., University of Colorado Boulder, Environmental Engineering, joseph.ryan@colorado.edu **PI:** Ryan, J.N., University of Colorado Boulder, Environmental Engineering, joseph.ryan@colorado.edu **Category:** Chemistry - Environmental **Facility:** ICR Facility **Highest Measured Field:** 9.4 T **UCGP:** No **VSP:** No **Submitted to** Environ. Sci. Technol. **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
487	**Title:** Cycling of Bioactive Trace Metals in the Bay of Bengal **First Author:** Weisend, RE, Florida State University, Biological Sciences, rew12b@my.fsu.edu **PI:** Morton, PL, NHMFL/FSU, Geochemistry, pmorton@fsu.edu **Category:** Chemistry - Environmental **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No	Edited

	Director's Recommendation: No **Director's Comments:** None	
488	**Title:** Supply of Natural and Industrial Aerosols to the Indian Ocean **First Author:** Summers, BA, Florida State University, Earth, Ocean, and Atmospheric Science, bas13d@my.fsu.edu **PI:** Morton, PL, NHMFL/FSU, Geochemistry, pmorton@fsu.edu **Category:** Chemistry - Environmental **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
490	**Title:** Lead Isotopic Compositions of Aerosols from the Bay of Bengal **First Author:** Summers, BA, Florida State University, Earth, Ocean, and Atmospheric Science, bas13d@my.fsu.edu **PI:** Morton, PL, NHMFL/FSU, Geochemistry, pmorton@fsu.edu **Category:** Chemistry - Environmental **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
498	**Title:** Geochemical Investigations of Greenland Ice Sheet Melt Water and Implications for Its Use as Potable Water **First Author:** McColaugh, SG, Florida State University, Earth, Ocean, and Atmospheric Science, sgm12b@my.fsu.edu **PI:** Humayan, M, NHMFL/FSU, Geochemistry, humayan@magnet.fsu.edu **Category:** Chemistry - Environmental **Facility:** Geochemistry Facility **UCGP:** No **VSP:** No **Publication Status:** Manuscript in preparation **Sign. Achievement:** No **Director's Recommendation: No** **Director's Comments:** None	Edited
Total Reports: 22		