

KELLY A. DEISTER (NÉE QUINN)

EDUCATION

2006

RESEARCH EXPERIENCE

- 2006-present Scientific Researcher, College of Marine Science, University of South Florida
- x Performing experiments utilizing an inductively coupled plasma mass spectrometer (ICPMS) at USF and a synchrotron x-ray facility at the Advanced Photon Source
 - x Assisting and advising graduate students and undergraduate interns in the ICPMS

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INSTRUMENTAL SKILLS

ICP Mass Spectrometry, Laser Ablation ICP-MS, High Resolution ICP-MS, Gas Chromatography, Mass Spectrometry, Fluoroscopy, and UV/VIS Spectroscopy

PUBLICATIONS

- Olsen, L., Quinn, K.A., Siebecker, M.G., Luther, G.W., Hastings, D.W., and Morford, J.L. (2017). Trace metal diagenesis in sulfidic sediments: Insights from Chesapeake Bay. *Chemical Geology* 452, 1759.
- Hastings, D.W., Schwing, P.T., Brooks, G.R., Larson, R.A., Morford, J.L., Roeder, T., Quinn, K.A., T., Romero, I., and Holland, D.J. (2016). Changes in sediment redox conditions following the BP DWH Blowout event. *Deep Sea Research* 129, 167-178.
- Williams, C., Flower, B.P., Hastings, D.W., Guilderson, T.P., Quinn, K.A., and Goddard, E.A. (2010). Deglacial abrupt climate change in the Atlantic warm pool: A Gulf of Mexico perspective. *Paleoceanography* 25, PA4221. doi:10.1029/2010PA001928
- Quinn, K.A., Byrne, R.H. and Schijf, J. (2008). Sorption of yttrium and rare earth elements by amorphous ferric hydroxide: Influence of temperature. *Environmental Science & Technology* 41, 5415-46.
- Quinn, K.A., Byrne, R.H. and Schijf, J. (2006). Sorption of yttrium and rare earth elements by amorphous ferric hydroxide: Influence of solution complexation with carbonate. *Geochimica et Cosmochimica Acta* 70, 4151-4165.
- Quinn, K.A., Byrne, R.H. and Schijf, J. (2006). Sorption of yttrium and rare earth elements by amorphous ferric hydroxide: Influence of pH and ionic strength. *Marine Chemistry* 99, 128-150.
- Quinn, K.A., Byrne, R.H. and Schijf, J. (2004). Competitive scavenging of yttrium and the rare earth elements in seawater: Competitive influences of solution and surface chemistry. *Aquatic Geochemistry* 10, 59-80.

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PROFESSIONAL AFFILIATIONS

- 2019-present American Chemical Society, Member
2007-present American Geophysical Union, Member
2004-present Geochemical Society, Member

HONORS

- Fall 2005 Gulf Oceanographic Charitable Trust Endowed Fellowship USF CMS
Fall 2003 Riggs Fellowship USF CMS
Fall 2002 Riggs Fellowship USF CMS
Fall 2001 VonRosenstiel Fellowship USF CMS
1996-1999 Presidential Scholarship Fairleigh Dickinson University
Fall 1998 Phi Omega Epsilon Honor Society Fairleigh Dickinson University
Spring 1998 Phi Zeta Kappa Honor Society Fairleigh Dickinson University