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PROFESSIONAL PREPARATION

B.A., Biology, Brown University, Providence, R.I. 1974
M.Sc., Zoology, Univ. of British Columbia, Vancouver, B.C., 1976
Ph.D., Biological Oceanography, University of Rhode Island, 1983

PROFESSIONAL APPOINTMENTS

2013, Associate Chair, Department of Marine Science, University of Texas at Austin
2012, Interim Chair, Department of Marine Science, University of Texas at Austin
1999, Professor, Department of Marine Science, University of Texas at Austin
1999, Senior Research Scientist, Marine Science Institute, University of Texas at Austin
1993-1998, Associate Professor, Dept. of Marine Science, University of Texas at Austin
1990-1992, Assistant Professor, Dept. of Marine Science, University of Texas at Austin
1986-1999, Research Scientist, Marine Science Institute, University of Texas at Austin
1986, Assistant Marine Scientist, Graduate School of Oceanography, University of Rhode Island
1983-85, Research Associate, Graduate School of Oceanography, University of Rhode Island
1981-82, Instructor, Providence College, Providence, RI
1979-81, Biologist, US Environmental Protection Agency, Narragansett, RI
1978-79, Instructor, Lesley College, Cambridge, MA
1976-78, Instructor, Middlesex Community College, Bedford, MA

FIVE MOST RELEVANT PUBLICATIONS

- Almeda, R., Harvey, T., Connelly, T.L., Baca, S. **Buskey, E.J.** (2016). Influence of UVB radiation on the lethal and sublethal toxicity of dispersed crude oil to planktonic copepod nauplii. *Chemosphere* 152: 446-458.
- Almeda, R., Connelly, T.L., **Buskey, E.J.** (2015) How much crude oil can zooplankton ingest? Quantification of dispersed crude oil defecation by planktonic copepods. *Environmental Pollution* <http://dx.doi.org.10.1016/j.envpol.2015.10.041>
- Almeda, R., Connelly, T.L. **Buskey, E.J.** (2014). Novel insight into the role of heterotrophic dinoflagellates in the fate of crude oil in the sea. *Nature Scientific Reports* DOI: 10.1038/srep07560.
- Almeda, R., Hyatt C., **Buskey E.** (2014). Corexit 9500A, the chemical dispersant used in the DWH oil spill, increases the toxicity of crude oil to marine microzooplankton. *Ecotoxicology and Environmental Safety*. 106: 76-85.
- Almeda, R., Baca, S., Hyatt, C., **Buskey, E.J.** (2014). Ingestion and sublethal effects of physically and chemically dispersed crude oil on marine planktonic copepods. *Ecotoxicology* 23: 988-1003 (DOI) 10.1007/s10646-014-1242-6

OTHER PUBLICATIONS

- Buskey, E.J.**, White, H., Esbaugh, A. (2016) Impact of oil spills on marine life in the Gulf of Mexico: effects on plankton, nekton and deep-sea benthos. *Oceanography* 29:174-181.
- Gemmell, B., Bacosa, H.P., Liu, Z., **Buskey, E.J.** (2016) Can gelatinous zooplankton influence the fate of crude oil in marine environments? *Marine Pollution Bulletin* 113(1-2), 483-487.
- Almeda, R., Bona, S., Foster, C.R., **Buskey, E.J.** (2014) Chemically dispersed crude oil decreases the growth rates of the meroplanktonic tornaria larvae (*Schizocardium* sp.) and cirripede nauplii (*Amphibalanus improvisus*). *Marine Environmental Research* 99: 212-217. DOI: 10.1016/j.marenvres.2014.06.007

- Almeda, R., Wambaugh, Z., Chai, C., Wang, Z., Liu, Z., **Buskey, E.J.** (2013) Effects of crude oil exposure on bioaccumulation of polycyclic aromatic hydrocarbons and survival of adult and larval stages of gelatinous zooplankton. PLoS ONE 8(10): e74476, doi:10.1371/journal.pone.0074476.
- Almeda, R., Wambaugh, Z., Wang, Z., Hyatt, C., Liu, Z., **Buskey, E.J.** (2013) Interactions between zooplankton and crude oil: toxic effects and bioaccumulation of polycyclic aromatic hydrocarbons. PLoS ONE 8(6): e67212. DOI: 10.1371/journal.pone.0067212

SYNERGISTIC ACTIVITIES

Director, Gulf of Mexico Research Initiative DROPPS Consortium
 Research Director, Mission-Aransas National Estuarine Research Reserve
 Associate Editor, Gulf and Caribbean Research
 Steering Committee, Our Global Estuary
 Steering Committee, NERRS-IOOS Integration Committee
 Member, NOAA/NERRS Science Collaborative Advisory Board
 President, Gulf Estuarine Research Society (Oct 2009 – Oct 2011)
 Member, Coastal and Estuarine Research Federation Governing Board (Oct 2009 – Oct 2011)
 Member, Coastal and Estuarine Research Federation Policy Committee (Oct 2009 – Oct 2011)
 Member, National Estuarine Research Reserve, System Wide Monitoring Program Guidance Committee
 Member, Guadalupe/San Antonio Basin and Bay Expert Science Team (BBEST)
 Member, Harte Research Institute Gulf of Mexico Planning Committee
 Member, Scientific-Technical Advisory Committee, Corpus Christi Bay National Estuary Program

COLLABORATORS and CO-EDITORS WITHIN THE PAST 48 MONTHS

Dr. Michel Boufadel	New Jersey Institute of Technology
Dr. Joaquim Goes	Bigelow Laboratory for Ocean Sciences
Dr. Daniel Hartline	University of Hawaii
Dr. Houshuo Jiang	Wood Hole Oceanographic Institution
Dr. Joseph Katz	Johns Hopkins University
Dr. Michael Kennish	Rutgers University
Dr. Petra Lenz	University of Hawaii
Dr. Ellen Longmire	University of Minnesota
Dr. Paul Montagna	Texas A&M Corpus Christi
Dr. Mark Reed	SINTEF (Norway)
Dr. Jian Sheng	Texas Tech University
Dr. Kathleen Stebe	University of Pennsylvania
Dr. Rudi Strickler	University of Wisconsin, Milwaukee

GRADUATE ADVISORS AND POSTDOCTORAL SPONSORS

Dr. Thomas Carefoot (retired); Dr. Theodore Nopora (deceased); Dr. Elijah Swift (deceased)

GRADUATE STUDENTS AND POSTDOCS (LAST 5 YEARS)

Graduate Students: M.S.: Kimberly Bittler, Tracy Harvey
 Ph.D.: Brad Gemmell, Jena Campbell, Chi Hung Tang (in progress)
 Postdoctoral Students and Research Associates: Dr. Denise Bruesewitz, Dr. Brad Gemmell, Dr. Rodrigo Almeda, Dr. Lindsay Sheef, Dr. M. Zachary Darnell, Dr. Jianhong Xue, Dr. Tara Connelly, Dr. Maud Moisson, Dr. Sarah Cosgrove

Total graduate students: 16; Total postdoctoral students: 14