

# **BARBARA KIRKPATRICK**

**Sept 2021**

## **Senior Advisor, GCOOS Regional Association**

3146 TAMU, College Station, TX 77843

### **PROFESSIONAL PREPARATION**

Northern Michigan University	Biology	B.S.	1978
Durham Technical Institute	Respiratory Care	A.A.S	1982
North Carolina State University	Health Occupations	M.Ed.	1990
University of Sarasota	Educational Leadership	Ed.D.	1998

### **APPOINTMENTS**

- Senior Advisor, GCOOS-RA, College Station, TX Aug, 2021- present
- Executive Director, GCOOS-RA, College Station, TX 2014 – Aug, 2021
- Florida Harmful Algal Bloom Taskforce (Governor apt) 2019- Present
- Senior Scientist, Mote Marine Lab, Sarasota, FL 2005 – 2014
- Staff Scientist, Mote Marine Lab, Sarasota, FL 1999 – 2005
- Associate Professor, State College of FL, Bradenton, FL 1996-1999
- Assistant Professor, State College of FL, Bradenton, FL 1990-1995
- Respiratory Care Supervisor, Duke Medical Ctr, Durham, NC 1986-1990
- Respiratory Therapist, Duke Medical Ctr, Durham, NC 1982-1986

### **FIVE RELATED PUBLICATIONS (out of >50)**

- Kirkpatrick, B.2021 Harmful Algal Blooms and the need for a HAB workforce. In: Preparing a Workforce for the New Blue Economy, Eds Spinrad and Hotaling, Elsevier Press.
- Sandifer Paul, Knapp Landon, Lichtveld Maureen, Manley Ruth, Abramson David, Caffey Rex, Cochran David, Collier Tracy, Ebi Kristie, Engel Lawrence, Farrington John, Finucane Melissa, Hale Christine, Halpern David, Harville Emily, Hart Leslie, Hswen Yulin, Kirkpatrick Barbara, McEwen Bruce, Morris Glenn, Orbach Raymond, Palinkas Lawrence, Partyka Melissa, Porter Dwayne, Prather Aric A., Rowles Teresa, Scott Geoffrey, Seeman Teresa, Solo-Gabriele Helena, Svendsen Erik, Tincher Terry, Trtanj Juli, Walker Ann Hayward, Yehuda Rachel, Yip Fuyuen, Yoskowitz David, Singer Burton. 2020. *Framework for a Community Health Observing System for the Gulf of Mexico Region: Preparing for Future Disasters*. Frontiers in Public Health. Vol 8; 588. DOI=10.3389/fpubh.2020.578463
- Hardison, R, Holland, CW. Currier, R.D., Kirkpatrick, B., Stumpf, R.P., Fanara, T., Burris, D, Reich, A., Kirkpatrick, G.J., Litaker, R.W. 2019. *HABscope: a tool for rapid detection and monitoring of toxic blooms of *Karenia brevis* by Citizen Scientists*. PLoSONE.
- Iwamoto Melissa M., Dorton Jennifer, Newton Jan, Yerta Moirah, Gibeaut James, Shyka Tom, Kirkpatrick Barbara, Currier Robert. 2019. Meeting Regional, Coastal and Ocean User Needs with Tailored Data Products: A Stakeholder-Driven Process. Frontiers in Marine Science. Vol. 6, 290. DOI=10.3389/fmars.2019.00290

- Testor Pierre, de Young Brad, Rudnick Daniel L., Glenn Scott, Hayes Daniel, Lee Craig M., Pattiaratchi Charitha, Hill Katherine, Heslop Emma, Turpin Victor, Alenius Pekka, Barrera Carlos, Barth John A., Beaird Nicholas, Bécu Guislain, Bosse Anthony, Bourrin François, Brearley J. Alexander, Chao Yi, Chen Sue, Chiggiato Jacopo, Coppola Laurent, Crout Richard, Cummings James, Curry Beth, Curry Ruth, Davis Richard, Desai Kruti, DiMarco Steve, Edwards Catherine, Fielding Sophie, Fer Ilker, Frajka-Williams Eleanor, Gildor Hezi, Goni Gustavo, Gutierrez Dimitri, Haugan Peter, Hebert David, Heiderich Joleen, Henson Stephanie, Heywood Karen, Hogan Patrick, Houpert Loïc, Huh Sik, E. Inall Mark, Ishii Masso, Ito Shin-ichi, Itoh Sachihiko, Jan Sen, Kaiser Jan, Karstensen Johannes, Kirkpatrick Barbara, Klymak Jody, Kohut Josh, Krahnmann Gerd, Krug Marjolaine, McClatchie Sam, Marin Frédéric, Mauri Elena, Mehra Avichal, P. Meredith Michael, Meunier Thomas, Miles Travis, Morell Julio M., Mortier Laurent, Nicholson Sarah, O'Callaghan Joanne, O'Conchubhair Diarmuid, Oke Peter, Pallàs-Sanz Enric, Palmer Matthew, Park JongJin, Perivoliotis Leonidas, Poulain Pierre-Marie, Perry Ruth, Queste Bastien, Rainville Luc, Rehm Eric, Roughan Moninya, Rome Nicholas, Ross Tetjana, Ruiz Simon, Saba Grace, Schaeffer Amandine, Schönau Martha, Schroeder Katrin, Shimizu Yugo, Sloyan Bernadette M., Smeed David, Snowden Derrick, Song Yumi, Swart Sebastian, Tenreiro Miguel, Thompson Andrew, Tintore Joaquin, Todd Robert E., Toro Cesar, Venables Hugh, Wagawa Taku, Waterman Stephanie, Watlington Roy A., Wilson Doug  
2019. *OceanGliders: A Component of the Integrated GOOS*. *Frontiers in Marine Science* Vol. 6; 422. DOI=10.3389/fmars.2019.00422 observing Systems.  
<http://dx.doi.org/10.1016/B978-0-12-802022-7.00018-3>

#### **FIVE OTHER SIGNIFICANT PUBLICATIONS**

- Hoagland Porter, Kirkpatrick Barbara, Jin Di, Kirkpatrick Gary, Fleming Lora E., Ullmann Steven G., Beet Andrew, Hitchcock Gary, Harrison Kate K., Li Zongchao C., Garrison Bruce, Diaz Roberto E., Lovko Vince. 2020. *Lessening the Hazards of Florida Red Tides: A Common Sense Approach*. *Frontiers in Marine Science*. Vol. 7; 538. DOI=10.3389/fmars.2020.00538.
- Shapiro, J, Dixon, LK, Schofield, O, Kirkpatrick, B and Kirkpatrick, G. 2015. *New Sensors of Ocean Observing: The Optical Phytoplankton Discriminator*. In Liu et al, *Coastal Ocean Observing Systems*. <http://dx.doi.org/10.1016/B978-0-12-802022-7.00018-3>.
- Simoniello, C, Watson, S, Kirkpatrick, B, Spranger, M, Jochens, A, Kobara, S, and Howard, M. 2015. *One System, Many Societal Benefits: Building an Efficient, Cost-Effective Ocean Observing System for the Gulf of Mexico*. In Liu et al, *Coastal Ocean Observing Systems*. <http://dx.doi.org/10.1016/B978-0-12-802022-7.00018-3>.
- Quintrell, J, Luettich, R, Baltas, B, Kirkpatrick, B, Stumpf, R, Schwab, D, Read, J, Kohut, J, Manderson, J, McCammon, M, Callendar, R, Tomlison, M, Kirkpatrick, G. 2015. *The Importance of Federal and Regional Partnerships in Coastal Observing*. In *Coastal Ocean Observing Systems*. Ed. Liu, Kerkering, and Weisberg. Academic Press. Chapter 3.
- Watson, S, Kirkpatrick, B, and Slimak, N. 2016. *Opportunity Lost? Ocean Observing in the Gulf of Mexico*. *MTS*. 50:3, 56-62.
- Hoagland, P, Jin, D, Polansky, L, Kirkpatrick, B, Kirkpatrick, G, Fleming, L, Reich, A, Watkins, S, Ulmann, S, Backer, L. 2009. *The Costs of Respiratory Illnesses Arising from Florida Gulf Coast *Karenia brevis* Blooms*. *Environmental Health Perspectives*, 117:8, p. 1239-1243.