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Undergraduate:

1974 Universidad Simón Bolívar, Caracas, Venezuela. Chemical Engineering. (1976, transferred to Florida Institute of Technology).

1979 Bachelor in Biological Oceanography. Florida Institute of Technology. Melbourne, FL.

Graduate:

1984 Master of Science in Oceanography. Institute of Marine Science. University of Alaska, Fairbanks, AK. Thesis: Lower trophic level studies in the marginal sea-ice zone. Advisor: Dr. Vera Alexander.

1988 Ph.D. in Marine and Estuarine Sciences. University of Maryland, Center for Environmental and Estuarine Studies (UMCEES). College Park, MD and Horn Point Environmental Laboratories, Cambridge, MD. Dissertation: Variation in the seasonal distribution of phytoplankton in the Caribbean Sea as observed in a series of Coastal Zone Color Scanner images (1978-1986). Advisors: Thomas R. Fisher (U. Maryland), and Charles R. McClain (NASA, Goddard Space Flight Center).

2001 Master of Science in Management. University of South Florida. College of Business Administration. Tampa, FL. Organizational design, leadership, human resources and modern management principles and techniques.

2000/- F Employer: University of Massachusetts Dartmouth
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2001/04 Commissioner, U.S. Commission on Ocean Policy
Voluntary, serving as nominee of and by appointment of the President of the United States. USCOP Chair: Adm. (USN/Retired) James D. Watkins

1994/00 Associate Professor. Tenured 1994. University of South Florida

1992/94 Program Scientist, Ocean Biogeochemistry Program: National Aeronautics and Space Administration Headquarters/Jet Propulsion Lab-California Institute of Technology.

1985/87 Consultant to Skidaway Institute of Oceanography.
1985/87 Consultant to NASA Goddard Space Flight Center.
1984/88 Research Assistant, CEES Program, University of Maryland.
1984/87 Teaching Assistant, Dept. of Botany, University of Maryland.
1979/84 Research Assistant, Institute of Marine Science, U. of Alaska.

Doctoral – Major Professor: Luis Lizcano Sandoval, Savannah Hartman, Cara Estes, Justin Saarinen, Matthew McCarthy, Abdiel Laureano-Rosario, Maria Vega-Rodríguez, Sennai Habtes, Karen Langbehn (USF English), Laura Lorenzoni, Inia Soto, Digna Rueda, Enrique Montes, David Palandro, Bisman Nababan, Fernando Gilbes, Lisa Vanderbloemen, Zhiqiang Chen. Non-USF/ Doctoral/Co-Major Professor: Joe Salisbury (University of New Hampshire), Sergio Cerdeira (Universidad de la Habana).
Masters: Sebastian DiGeronimo, Megan Hepner, Kaitlyn Colna, Brendan O'Connor, Claudia Baron Aguilar, Juan Carlos Millan, Herschel T. Hochman, Josh Henson, Inia Soto, Laura Lorenzoni, Carrie Wall, Enrique Montes, Ana Lucia Odriozola. Masters/ Co-Major Professor: MingRui Zhang, Wensheng Yao, Jingwei Ke, Haiying Zhang.
Undergraduate: Ana Lucia Odriozola, John Akl (undergr., Eckerd College), Paola Castellanos (undergr., Universidad Simon Bolivar).
Post-doctoral Associates: Laura Lorenzoni, Daniel Otis, Enrique Montes, Digna Rueda-Roa, Tylar Murray, Matt McCarthy, Gerardo Toro-Farmer, Zhiqiang Chen, Richard Bohrer, Gilberto Gaxiola, Eduardo Santamaría, Guillermo E. Quiros, Serge Andrefouet, Cesar Fuentes-Yaco, Chuanmin Hu, Eurico D'Sa, Christian Schiller.
Trainees (not exhaustive): Raoni Bosquilia, Samira Bosquilia, Mahmoud Elmezayen, Mostafa Awad, Mostafa Al-Maghraby, Ezequiel Cozzolino, Paul W. Bissett, Lingzis D. Tang, Roberto Perez, Sergio Cerdeira, Nelson Melo, Jose Rafael Diaz, Paola Filippi, Denis Nadeau, David Lindo-Atichati.
Technicians: Tylar Murray, Sebastian DiGeronimo, Catherine J. Reynolds, Qiao, Robert Chen, C. J. Reynolds, Gabriel Quiles, Brock Murch, Judd Taylor, Michelle McIntyre, Richard Bohrer, Remy Luerssen, Christine Kranenburg, Haiying Zhang, Laura Lorenzoni, Christian Schiller, Damaris Torres, Zhiqiang Chen, MingRui Zhang, Wensheng Yao.

peer-reviewed)

2021

Cawse-Nicholson, Kerry-Anne, Philip A. Townsend, David Schimel, Ali M. Assiri, Pamela L. Blake, Maria Fabrizia Buongiorno, Petya Campbell, Nimrod Carmon, Kimberly A. Casey, Rosa Elvira Correa-Pabón, Kyla M. Dahlin, Hamid Dashti, Philip E. Dennison, Heidi Dierssen, Adam Erickson, Joshua B. Fisher, Robert Frouin, Charles K. Gatebe, Hamed Gholizadeh, Michelle Gierach, Nancy F. Glenn, James A. Goodman, Daniel M. Griffith, Liane Guild, Christopher R. Hakkenberg, Eric J. Hochberg, Thomas R.H. Holmes, Chuanmin Hu, Glynn Hulley, Karl F. Huemrich, Raphael M. Kudela, Raymond F. Kokaly, Christine M. Lee, Roberta Martin, Charles E. Miller, Wesley J. Moses, Frank E. Muller-Karger, Joseph D. Ortiz, Daniel B. Otis, Nima Pahlevan, Thomas H. Painter, Ryan Pavlick, Ben Poulter, Yi Qi, Vincent J. Realmuto, Dar Roberts, Michael E. Schaepman, Fabian D. Schneider, Florian M. Schwandner, Shawn P. Serbin, Alexey N. Shiklomanov, E. Natasha Stavros, David R. Thompson, Juan L. Torres-Perez, Kevin R. Turpie, Maria Tzortziou, Susan Ustin, Qian Yu, Yusri Yusup, Qingyuan Zhang. 2021. NASA's Surface Biology and Geology Designated Observable: A Perspective on Surface Imaging Algorithms. Remote Sensing of Environment. Volume 257, 112349, <https://doi.org/10.1016/j.rse.2021.112349>.

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Djurhuus, Anni, Collin J. Closek, Ryan P. Kelly, Kathleen J. Pitz, Reiko P. Michisaki, Hilary A. Starks, Kristine R. Walz, Elizabeth A. Andruszkiewicz, Emily Olesin, Katherine Hubbard, Enrique Montes, Daniel Otis, Frank E. Muller-

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_____ Reports, Data, Other Output)

2019

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2004-2020 Funded Projects: (Not a complete list)

- NSF (2018 - 2022) OceanObs Research Coordination Network. FMK PI, J. Pearlman co-PI
- NSF (2014 - 2019) The Cariaco basin oceanographic time series program. FMK PI, Co-Is: Y Astor, M. Scranton, G. Taylor, R. Thunell, and K. Fanning.
- NSF (2013-2019) Belmont Forum Grant: METROPOLE: An Integrated Framework to Analyze Local Decision Making and Adaptive Capacity to Live With Large-Scale Environmental Change: Community Case Studies in Brazil, UK and the US. FMK PI, Co-

NASA Phytoplankton hyperspectral signatures from aerial and underwater high temporal and spectral resolution measurements: GeoCape Science Program Requirements.
NASA Environmental Assessments of Coral Reef Ecosystems: Interdisciplinary Research; Co-
I with S. Andrefouet (IRD, New Caledonia, France)
NOAA RESTORE (2016-