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| **Curriculum Vitae**  **Charles L. Gallegos**  ADDRESS   |  |  | | --- | --- | | Smithsonian Environmental Research Center | Telephone: (443) 482-2346 | | P.O. Box 28 | FAX: (443) 482-2380 | | Edgewater, MD 21037-0028 | E-mail: gallegos@serc.si.edu |   EDUCATION   |  |  | | --- | --- | | 1973 | B.A. Zoology, Duke University , Durham , NC ( *Cum Laude* ) | | 1979 | Ph.D. Environmental Sciences, University of Virginia , Charlottesville , VA |   PROFESSIONAL ORGANIZATIONS AND AWARDS   |  |  |  | | --- | --- | --- | | Organizational Membership: | | American Geophysical Union American Society of Limnology and Oceanography Estuarine Research Federation Atlantic Estuarine Research Society Optical Society of America | | Awards: | 1994-1995. | Distinguished Visiting Scientist, National Institute of Water and Atmospheric Research, Hamilton New Zealand . | |  | 1979-1980. | Visiting Fellowship in Government Laboratories, National Research Council , Canada , | |  | 1978. | Dean's Reserve Fellowship for promising Graduate Students in final stages of dissertation work, University of Virginia . | |  | 1976-1977. | University Fellowship for outstanding new graduate students, University of Virginia . | |  | 1969-1973. | Ford Motor Company Fund 4 year college scholarship. |    SERVICES TO THE SCIENTIFIC COMMUNITY   |  |  |  | | --- | --- | --- | | Chesapeake Bay Management Community | | | |  | Submerged Aquatic Vegetation Technical Synthesis-2 Authors? Group Chesapeake Bay Water Clarity Criteria Workgroup | | | Proposal Review Panels | | | |  | Ecology and Oceanography of Harmful Algal Blooms, NOAA Agency for International Development Science Advisory Board, Maryland Power Plant Research Program | | | Proposal Mail Reviewing | | | |  | NSF, Biological Oceanography NSF, Polar Programs Department of Agriculture, Competitive Grants Program NOAA, Sea Grant, Coastal Ocean Program (ECOHAB) NASA | | | Journal Manuscript Reviewing | | | |  | *Limnology and Oceanography Estuaries Journal of Plankton Research Water Resources Bulletin* | *Marine Ecology Progress Series Journal of Marine Research Marine Biology Estuarine, Coastal and Shelf Science* | | Workshops Attended | | | |  | Workshop on Remote Sensing in Chesapeake Bay, January 7-8, 2002. Annapolis, MD. Phytoplankton Resource Limitation Workshop, 22-23 May 2001, Cambridge, MD. EMAP Symposium 2001: Coastal Monitoring through Partnerships, 24-27 April 2001 Virginia's Tributary Strategy Program Synthesis Workshop, 16-17 March 1998 Submerged Aquatic Vegetation, Technical Synthesis II Authors' group, U.S. Environmental Protection Agency, various dates, 1996-1998. Coastal Ocean Benthic Optics Program; Arlington, VA, January 1996 Suspended Solids Modeling Workshop; Annapolis, MD, August 1993 Photosynthetically Active Radiation Workshop, Melbourne, FL, January 1993 Coastal Ocean Program, Principal Investigators' Meeting; Gloucester Pt., VA, Oct. 1992 Submerged Aquatic Vegetation Initiative; Melbourne, FL, July 1992 EPA Gulf Coast Planning meeting for EMAP and Coastal Wetlands Research Initiative; Sarasota, FL, January 1992 | |   SERVICES TO SMITHSONIAN INSTITUTION   |  |  | | --- | --- | | Institution-wide Committees | | |  | Smithsonian representative to the Interagency Workgroup on Hypoxia and Anoxia Natural History Library Liaison S. I. Libraries Users' Advisory Committee (SILUAC, 1992-1993) | | Supervisory Duties | | |  | Multiple Student Interns 3 Post Docs 4 Technicians | | SERC Committees | | |  | Information Technology Committee Science Committee |   PUBLICATIONS   Gallegos, C.L., Jordan T.E., Hines, A.H., Weller, D.E. *Temporal variability of optical properties in a shallow, eutrophic estuary: Seasonal and interannual variability.* Estuarine, Coastal and Shelf Science. 64 (2005) 156-170. [(pdf)](http://www.serc.si.edu/labs/phytoplankton/pdfs/RRInterAnnOP_ECSS05.pdf)  Gallegos, Charles L., (2005) *Optical water quality of a blackwater river estuary: the Lower St. Johns River, Florida, USA.* Estuarine, Coastal and Shelf Science. 63 (2005) 57-72. [(pdf)](http://www.serc.si.edu/labs/phytoplankton/pdfs/LSJR_OptWtrQual_ECSS05.pdf)  Gallegos, Charles L., Bergstrom, Peter W., (2005) *Effects of a Prorocentrum minimum bloom on light availibility for and potential impacts on submersed aquatic vegetation in the upper Chesapeake Bay .* Harmful Algae 4 (2005). 553-574. [(pdf)](http://www.serc.si.edu/labs/phytoplankton/pdfs/ProroOPs_Gallegos&BergstromHA05.pdf)  2004.       Biber, P.D., H.W. Paerl, C.L. Gallegos, W.J. Kenworthy. 2004. Evaluating Indicators of Seagrass Stress to Light. *In* S.A. Bortone (ed.), Estuarine Indicators. CRC Press, Boca Raton, FL (accepted).  2003.       Kemp, W. M., R. A. Batiuk, R. Bartleson, P. Bergstrom, V. Carter, C. L. Gallegos, W. Hunley, L. Karrh, E. W. Koch, J. M. Landwehr, K. A. Moore, L. Murray, M. Naylor, N. B. Rybicki, J. C. Stevenson and D. J. Wilcox. Habitat requirements for submerged aquatic vegetation in Chesapeake Bay: Water quality, light regime, and physical-chemical factors. Estuaries, in press.  2002.       Gallegos, C. L. and P. J. Neale. A two-year time series of continuously monitored inherent optical properties in a eutrophic sub-estuary of Chesapeake Bay, pp. 8 pp. In S. A. a. C. Trees [eds.], Ocean Optics XVI. Office of Naval Research.  2002.       C. L. Gallegos and P. J. Neale. Partitioning spectral absorption in case 2 waters: Discrimination of dissolved and particulate components. 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Maryland Sea Grant, $61,261.  2001-2005.       Development of an optical indicator of habitat suitability for submersed aquatic vegetation for the Atlantic Slope?sub-proposal of the Atlantic Slope Consortium, 'Development, testing, and application of indicators for integrated assessment of ecological and socioeconomic resources of the Atlantic Slope in the Mid-Atlantic States' (with D. Whigham, A. Hines, T. Jordan, P. Marra, and D. Weller). Environmental Protection Agency, $3,900,000 (total to SERC).  1998?2002.       CISNet Rhode River: Estuarine optical properties as an integrative response to natural and anthropogenic stressors (with T. Jordan and P. Neale). Environmental Protection Agency, $510,181.  1998-2002.       Development of an optical water quality model for the Lower St. Johns River. St. Johns River Water Management District, Florida, $74,948.  1992-1993       Determination of optical water quality requirements for growth of seagrasses in the Indian River near Ft. Pierce, FL, with emphasis on the impact of colored water discharges. South Florida Water Management District.(co-PI with W. J. Kenworthy), $49,224.  1991-Pres.       Long term studies of phytoplankton dynamics in the Rhode River, MD. Smithsonian Environmental Sciences Program, ~$73,000 P.A. (Variable)  1991-1993       Modeling spectral light available to submerged aquatic vegetation in relation to water quality and epiphytic growth. NOAA, Coastal Ocean Program, Estuarine Habitat Program, $80,000.  1991-1993       Title: A major new biochemical fraction in phytoplankton photosynthates: Chitan in the "protein fraction". (co-PI with R. A. Smucker, D. L. Correll, and R. Dawson). National Science Foundation, Chemical Oceanography, $291,472. |