

Cindy Lee

Marine Sciences Research Center
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**Major Research Interests:**

Ocean carbon cycle; Marine organic geochemistry; Production, transport and decomposition of biogenic organic matter; Pigment geochemistry; Organic nitrogen cycle biogeochemistry; Analytical chemistry of amino acids and amines.

Education and Professional Experience:

B.S. Chemistry, Arizona State University, 1970
 B.S.E. Chemical Engineering, Arizona State University, 1970
 Ph.D. Oceanography, Scripps Institution of Oceanography, 1975
 Postdoctoral Investigator, Woods Hole Oceanographic Inst., 1975-77
 Assistant Scientist, Woods Hole Oceanographic Institution, 1977-81
 Associate Scientist, Woods Hole Oceanographic Institution, 1981-86
 Associate Professor, MSRC, SUNY at Stony Brook, 1986-1990
 Professor, MSRC, SUNY at Stony Brook, 1990-2003
 Guest Professor, Max Planck Institute for Marine Microbiology, Bremen, 1993-1994
 SUNY Distinguished Professor, 2003-Present
 Honorary Professor, Ocean University of China, Qingdao, China, 2006-09

Honors:

Geochemical Society, Best Paper in Organic Geochemistry Award, 1980
 Woods Hole Oceanographic Institution, H. Burr Steinbach Visiting Scholar, 1991
 Chesapeake Biological Laboratory, Visiting Scholar, 1993
 Norwegian Marshall Fund Award, 1994
 American Society of Limnology & Oceanography (ASLO), DIALOG Symposium Mentor, 1994
 ASLO, Plenary Talk, Aquatic Sciences Meeting, Santa Fe NM, 1997
 American Geophysical Union (AGU), Fellow, 1999
 AGU, Sverdrup Lecture (Bowie Series), 2000
 Hanse Wissenschaftskolleg Fellow, 2003
 Geochemical Society/European Association of Geochemistry, Fellow, 2004
 DISCO Symposium Mentor, Honolulu, 2008

University of Washington, Inaugural John I. Hedges Scholar, 2010
 ASLO, G. Evelyn Hutchinson Medal, 2011
 GEOMAR Helmholtz-Zentrum für Ozeanforschung Kiel, Inaugural Lecture, Marie Tharp Lecture Series for Ocean Research, 2013

Elected and Appointed Offices:

Organic Geochemistry Division, Geochemical Society
 Secretary, 1983-1986, Chairman-Elect, 1989-91, Chairman, 1991-93
 Geochemical Society, Councilor, 1984-1986
Biogeochemistry, Consulting Editor, 1983-2000
Limnology and Oceanography, Editorial Board, 1984-1987
Geochimica et Cosmochimica Acta, Associate Editor, 1987-1993
 Gordon Conference on Chemical Oceanography, Co-Vice Chairman, 1989, Chairman, 1991
 The Oceanography Society, Councilor (Chemistry), 1989-91
 Bermuda Biological Station for Research, Life Trustee
 AGU Ocean Sciences Section, President-Elect, 2004-06, President, 2006-2008
Annual Review of Marine Science, Editorial Committee, 2007-2014
Global Biogeochemical Cycles. Associate Editor, 2011- Present
 NAS/NRC Study Committee on Ocean Acidification Report, 2012

Member:

Geochemical Society, American Society of Limnology and Oceanography, American Geophysical Union, European Association of Organic Geochemists, AAAS

Reviewed Research Articles: 150

10 Most Cited Papers:

1. Armstrong R. A., C. Lee, J.I. Hedges, S. Honjo and S.G. Wakeham (2002) A new, mechanistic model for organic carbon fluxes in the ocean based on the quantitative association of POC with ballast minerals. *Deep-Sea Res. II* 49: 219-236. Times Cited: 355
2. Wakeham, S. G., C. Lee, J. I. Hedges, P.J. Hernes and M. L. Peterson (1997) Molecular indicators of diagenetic status in marine organic matter. *Geochim. Cosmochim. Acta*, 61: 5363-5369. Times Cited: 212
3. Lee, C. and C. Cronin (1982) The vertical flux of particulate organic nitrogen in the sea: Decomposition of amino acids in the Peru upwelling area and the equatorial Atlantic. *J. Mar. Res.* 41: 227-251. Times Cited: 192
4. Anderson, D. M., D. M. Kulis, J. J. Sullivan, S. Hall, and C. Lee (1990) Dynamics and physiology of saxitoxin production by the dinoflagellates *Alexandrium* spp. *Mar. Biol.* 104: 511-524. Times Cited: 182

5. Lee, C. (1992) Controls on organic carbon preservation: The use of stratified water bodies to compare intrinsic rates of decomposition in oxic and anoxic systems. *Geochem. Cosmochim. Acta*, 56: 3323-3335.
Times Cited: 166
6. Hedges, J.I., J.A. Baldock, Y. Gélinas, C. Lee, M. Peterson and S.G. Wakeham (2001) Evidence for non-selective preservation of organic matter in sinking marine particles. *Nature* 409: 801-804.
Times Cited: 156
7. Sun, M., R. C. Aller, and C. Lee (1991) Early diagenesis of chlorophyll-*a* in Long Island Sound sediments: A measure of carbon flux and particle reworking. *J. Mar. Res.* 49: 1-23.
Times Cited: 141
8. Lee, C. and C. Cronin (1984) Particulate amino acids in the sea: Effects of primary productivity and biological decomposition. *J. Mar. Res.* 42: 1075-1097.
Times Cited: 140
9. Lee, C. and J. L. Bada (1977) Dissolved amino acids in the equatorial Pacific, the Sargasso Sea, and Biscayne Bay. *Limnol. Oceanogr.* 22: 502-510.
Times Cited: 138
10. Lee, C., J. I. Hedges, S. G. Wakeham, and N. Zhu (1992) Effectiveness of poisons and preservatives in retarding bacterial activity in sediment trap material. *Limnol. Oceanogr.*, 37: 117-130.
Times Cited: 136