# CURRICULUM VITAE (SHORT FORM)

**MAUREEN H. CONTE**
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## RESEARCH INTERESTS

- Trace level molecular and isotopic organic geochemistry
- The production, flux and early diagenesis of organic material in the marine environment, focusing on the use of organic, inorganic and isotopic tracers to elucidate fundamental interactions and linkages of particle flux with physical, chemical and biological processes on timescales of days to decades
- Application of molecular, isotopic and elemental tracers in carbon cycling studies, including development of molecular and isotopic proxies for paleoclimate reconstruction
- The use of plant biomarkers in aerosols and climate studies as indicators of terrestrial biosphere functioning

## EDUCATION

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| 1989 PhD | Columbia University, New York NY (Lamont-Doherty Geological Observatory (LDGO), Palisades NY) |
| 1987 MPhil | Columbia University, New York NY (LDGO) |
| 1982 MA | Columbia University, New York NY (LDGO) |
| 1975 BA | The Johns Hopkins University, Baltimore MD |
| 1971/72 | Georgia Institute of Technology, Atlanta GA |

## PROFESSIONAL EMPLOYMENT

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| 2023-present | Senior Research Scientist, Ecosystems Center, Marine Biological Laboratory, Woods Hole MA |
| 2019-2023 | Senior Scientist, Bermuda Institute of Ocean Sciences, Bermuda (retired Oct 2023) |
| 2016-2023 | MBL Fellow (resident), Ecosystems Center, Marine Biological Laboratory, Woods Hole MA |
| 2019-2021 | Visiting Scientist, Geological Sciences, Brown University |
| 2009-2018 | Adjunct Associate Professor, Geological Sciences, Brown University |
| 2017-2019 | Adjunct Associate Professor, School of Marine Science and Technology (SMAST), University of Massachusetts Dartmouth |
| 2004-2016 | Adjunct Associate Scientist (resident), Ecosystems Center, Marine Biological Laboratory, Woods Hole MA |
| 2004-2019 | Associate Scientist, Bermuda Institute of Ocean Sciences, Bermuda |

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| 1998- 2004 | Associate Scientist, Marine Chemistry and Geochemistry, Woods Hole Oceanographic Institution, Woods Hole MA |
| 1994-1997 | Assistant Scientist, Marine Chemistry and Geochemistry, Woods Hole Oceanographic Institution, Woods Hole MA |
| 1994-1995 | Adjunct Research Fellow, Biogeochemistry Research Centre, University of Bristol, UK |
| 1991-1993 | Research Fellow, School of Chemistry and Biogeochemistry Research Centre, University of Bristol, UK |
| 1989-1991 | Postdoctoral Research Associate, School of Chemistry, University of Bristol, UK |
| 1980-1988 | M.A./PhD Research Associate, Lamont-Doherty Geological Observatory of Columbia University, Palisades NY |
| 1978-1980 | Research Associate, The Chesapeake Bay Institute, The Johns Hopkins University, Baltimore MD |
| 1976-1978 | Research Assistant, The Chesapeake Bay Institute, The Johns Hopkins University, Baltimore MD |

**PROFESSIONAL ACTIVITIES/SERVICE**

• Principal Investigator, the Oceanic Flux Program (OFP) deep ocean time-series (1996-2023)

The 48+ year OFP time-series is the longest deep ocean time-series in the world and provides seminal information on the North Atlantic oligotrophic ocean's biological carbon pump. In addition to research, the OFP time-series facilitates collaborative research and community access to the OFP sample archive and database, sea-going opportunities for researchers and students, graduate and undergraduate education and outreach activities.

• Oceanographic Research Fleet service:

Chair, Science Oversight Committee of the Regional Class Research Vessel (RCRV) construction project (2013-present, SOC Chair, 2019-2024).

SOC duties include science mission review of all science aspects of activities involved in construction of three advanced-engineered RCRVs (193' overall length). The SOC is currently participating in oversight review of construction, procurement and outfitting and in developing recommendations for operations and science mission sea trials that will take place before vessel delivery to the operating institutions.

UNOLS Council (2020-2023), UNOLS Fleet Improvement Committee (2007-2012).

The University-National Oceanographic Laboratory System (UNOLS) is a US academic consortium that assists federal agencies (NSF, NOAA, Navy) in management and operations of the US Academic Research Fleet (ARF). The Council monitors UNOLS activities and committees to facilitate effective use of available oceanographic facilities. The Fleet Improvement Committee works to assure the continuing excellence of the ARF fleet.During my tenure, we developed the science mission requirements for both the Ocean and Regional Class Research Vessels.

Chief Scientist Training (CST) cruises (RV Wecoma, Astoria Canyon 2011; RV Atlantic Explorer, Barbados-Bermuda 2014)

The CST program is an NSF funded initiative to provide early career oceanographers with seagoing experience and research opportunities and to train them how to plan and execute a successful research cruise, from proposal planning to cruise operations to post-cruise reporting and results dissemination.

• US and International Review panels:

Various NSF (OCE, IPS, Committee of Visitors, MRI facilities); Gulf of Mexico Research Initiative (GoMRI); KIOST External Review Committee (South Korea, 2012); Darwin Program (Netherlands, 2010) Science Foundation of Ireland (SFI, 2007-2009)

• Reviewer for agency proposals (NSF, NERC-UK, French ANR) and science journals

• Guest Associate Editor, Frontiers in Earth Sciences (2020-2022)

Topic Collection: "The oceanic particle flux and its cycling within the deep water column." Vols. I and II

**EDUCATION AND OUTREACH**

*Graduate and early career:*

• Research Co-advisor to MS/PhD students (ETH Zurich, UMass Dartmouth SMAST, Brown University, Open University, UK, Univ. Marseilles, FR, Univ. Del., Rutgers, Oxford Univ., UK, Bristol Univ., UK)

• Principal Investigator, Chief Scientist Training cruises, student training multiple OFP cruises

• BIOS Center of Excellence (2008-2013):

The Center of Excellence was a 5-yr initiative, funded by the Nippon Foundation and SCOR's Partnership Organizations in Global Oceanography (POGO), that brought exceptional graduate level scholars from developing countries to BIOS for a 8-10 month program in observational oceanography. Developed and taught graduate-level short-course "Moored Observatories" combining lecture and shipboard training. Research advisor to five CoE scholars.

*Undergraduate:*

• Course lecturer and research project advisor for undergraduates in the MBL Ecosystems Center Semester in Environmental Science (SES) program.

• Undergraduate research advisor and mentor: NSF REU program, University of Chicago Metcalf Fellow Program, BIOS Cawthorn program, Woods Hole Partnership Education Program (PEP), MA Blue Economy Internship Program (BEIP)

• Mentor, ASLO Multicultural Program (ASLOMP), AGU/ASLO Ocean Sciences Meetings

*High school:*

• Informal advising of over 30 high school student lab assistants working in my lab

• Woods Hole Science and Technology (WHSTEP) liason.

**PUBLICATIONS**

(71) Charlotte Schnepper, C.. N. Gruber, R. Pedrosa-Pamies, M. H. Conte, E. Druffel, N. Haghipour, H. Richter, T. Eglinton (submitted) Propagation of anthropogenic carbon isotope signals through dissolved and particulate carbon reservoirs in the Sargasso Sea.

(70) McGillicuddy, D.J., Pedrosa-Pamies, R., Tryby, P., Weber, J. C., Hashim, M., Hu, C., and Conte, M. H. (submitted) Seasonality of Sargassum surface biomass and sinking fluxes in the Sargasso Sea.

(69) Huang, H., M.H. Conte, R. Pedrosa-Pamies, A. Bochdansky (submitted) Untangling the impact of particle characteristics on in-situ sinking velocities using machine learning algorithms.

(68) Pedrosa Pamies, Rut & Conte, Maureen & Weber, J. & Andersson, A.. (2026). Hurricane-Driven Transport of Bermuda Reef Carbonate Platform Sediments to the Deep Ocean. Journal of Geophysical Research: Oceans. 130. 10.1029/2023JC020500.

(67) Pedrosa Pamies, Rut & Conte, Maureen & Weber, J. & Andersson, A.. (2025). Hurricane-Driven Transport of Bermuda Reef Carbonate Platform Sediments to the Deep Ocean. Journal of Geophysical Research: Oceans. 130. 10.1029/2023JC020500.

(66) Conte, Maureen & Pedrosa Pamies, Rut & Weber, J.C. & Johnson, R.J.. (2025). The climatology of the deep particle flux in the oligotrophic western North Atlantic gyre, 1978–2022. Progress in Oceanography. 234. 103433. 10.1016/j.pocean.2025.103433.

(65) Pedrosa Pamies, Rut & Conte, Maureen & Honda, Makio & Herndl, Gerhard. (2025). Editorial: The oceanic particle flux and its cycling within the deep water column, volume II. Frontiers in Earth Science. 13. 10.3389/feart.2025.1716510.

(64) Bochdansky, A.B., H. Huang, M. H. Conte (2022) The aquatic particle number quandary. *Frontiers in Mar. Sci. doi: 10.3389/fmars.2022.994515*

(63) Conte, M. H., R. Pedrosa Pamies, M. Honda, G. J. Herndl (2022) Editorial: The oceanic particle flux and its cycling within the deep water column. *Frontiers in Earth Sci. doi: 10.3389/feart.2022.1020065*

(62) Cael, B. B., K. Bisson, M. H. Conte, M.T. Duret, C. L. Follett, S. A. Henson, M.C. Honda, M. H. Iversen, D. M. Karl, R. S. Lampitt, C. B. Mouw, F. Muller-Karger, C. A. Peabody, K.L. Smith Jr., D. Talmy (2021) Open ocean particle flux variability from surface to seafloor *Geophys. Res. Lttrs. doi: 10.1029/2021GL092895*

(61) Xu C., P. Lin, L. Sun, H. Chen, W.Xing, M. Kamalanathan, P. G. Hatcher, M. H. Conte, A. Quigg, P. H. Santschi (2020) Molecular nature of marine particulate organic iron-carrying moieties revealed by electrospray ionization Fourier-transform ion cyclotron resonance mass spectrometry (ESI-FTICRMS). *Frontiers in Earth Sci. doi:10.3389/feart.2020.00266*

(60) Pedrosa-Pamies, R., M.H. Conte, J.C. Weber, R. Johnson (2019) Hurricanes enhance labile carbon export to the deep ocean. *Geophys. Res. Letts.* /doi.org/10.1029/2019GL083719

(59) Conte, M. H. (2019) Oceanic Particle Flux. In Cochran, J. Kirk; Bokuniewicz, J. Henry; Yager, L. Patricia (eds.) *Encyclopedia of Ocean Sciences, 3rd Edition*, vol.[4], pp. 192-200. Oxford: Elsevier.

(58) Zheng, Y., P. Heng, M. H. Conte, R. S. Vachula, Y. Huang. (2019) Comprehensive chemotaxonomic profiling and novel paleotemperature indices based on alkenones and alkenoates: potential for disentangling mixed species input. *Org. Geochem.* 128, 26-41.

(57) Conte, M. H., A. M. Carter, D. A. Koweek, S. Huang, J. C. Weber. (2019) The elemental composition of the deep particle flux in the Sargasso Sea. *Chem. Geol.,* 511, 279-https://doi.org/10.1016/j.chemgeo.2018.11.001

(56) Pedrosa Pamies, R., M. H. Conte, J. C. Weber and R. Johnson. (2018) Particle cycling in the Sargasso Sea water column:insights from lipid biomarkers in suspended particles. *Progr. Oceanogr.* doi: 10.1016/j.pocean.2018.08.005.

(55) Smart, S. M., H. Ren, S. E. Fawcett, R. Schiebel, M. H. Conte, P. A. Rafter, K. K. Ellis, M. A. Weig, D. M. Sigman and G. H. Haug. (2018) Ground-truthing the planktic foraminifer-bound nitrogen isotope paleoproxy in the Sargasso Sea. *Geochem. Cosmochim. Acta.* 235, 463-482. https://doi.org/10.1016/j.gca.2018.05.023

(54) Salmon, K.H., P. Anand, P.F. Sexton, M. Conte. (2016) Calcification and growth processes in plantonic foraminifera complicate the use of B/Ca and U/Ca as carbonate chemistry proxies. *Earth Planetary Sci. Letts.* 449, 372-381.

(53) Timko. S. A., Maydanov A., Pittelli S. L, Conte M. H., Cooper W. J., Koch B. P, Schmitt-Kopplin P., Gonsior M. (2015) Depth-dependent Photodegradation of Marine Dissolved Organic Matter. *Frontiers Mar. Sci. DOI=10.3389/fmars.2015.00066*

(52) Salmon, K.H., P. Anand, P.F. Sexton, M. Conte. (2015) Upper ocean mixing controls the seasonality of planktonic foraminifer fluxes and associated strength of the carbonate pump in the oligotrophic North Atlantic. *Biogeosciences* 12, 223–235.

(51) Babila, T.L., Rosenthal, Y. , M. H. Conte. (2014) Evaluation of the biogeochemical controls on B/Ca of *Globigerinoides ruber* white from the Oceanic Flux Program, Bermuda. *Earth Planetary Sci. Letts.* 404, 67-78.

(50) Gonsior M., W. J. Cooper, M. H. Conte, N. Hertkorn, D. Bastviken and P. Schmitt-Kopplin (2014) Photochemical production of polyols arising from significant photo-transformation of dissolved organic matter in the oligotrophic surface ocean. *Mar. Chem.* 163,10-18.

(49) Conte, M. and J. C Weber (2014) Particle flux in the deep Sargasso Sea: The 35 year Oceanic Flux Program time series, *Oceanogr.* 27, 142–147.

(48) Chuang C.-Y., P. H. Santschi, Y.-F. Ho, M. H. Conte, L. Guo, D. Schumann, M. Ayranov. (2013) Biopolymers as major carrier phases and redox regulators of natural radionuclides of Th, Pa, Pb, Po, and Be in settingling particles in the Sargasso Sea. *Mar. Chem.*, 157, 131-143.

(47) Hong G.H., M. Baskaran, T.M. Church and M.H. Conte. (2013) Scavenging, cycling and removal fluxes of 210Po and 210Pb at the Bermuda Time Series site in the northwest Sargasso Sea. *Deep-Sea Research* II, 93,108-118.

(46) Young, J. N., Bruggeman, J., Rickaby, R.E.M., Erez, J., Conte, M. (2013) Evidence for changes in carbon isotopic fractionation by phytoplankton between 1960 and 2010. *Global Biogeochem. Cycles*, 27, 505–515.

(45) Shatova, O., D. Koweek, M. H Conte and J. C Weber. (2012) Contribution of zooplankton fecal pellets to particle flux in the mesopelagic Sargasso Sea. *J. Plankton Res.* 34, 905-921.

(44) Mortazavi, B., M. Conte, J. Chanton, J. C. Weber, W. Cropper and T. Martin (2012) Isotopic variability in the carbon isotopic composition of foliage carbon pools (soluble carbohydrates, waxes) and respiration fluxes in southeastern US pine forests. *J. Geophys. Res.-Biogeosciences*., DOI: 10.1029/2011JG001867

(43) Laffoley, Dan & Roe, Howard & M.V., Angel & Ardron, Jeff & Bates, Nicholas & I.L., Boyd & Brooke, Sandra & Buck, Kristen & Carlson, Craig & B., Causey & Conte, Maureen & Christiansen, Sabine & Cleary, Jesse & J., Donnelly & S.A., Earle & R., Edwards & Gjerde, Kristina & S.J., Giovannoni & S., Gulick & V., Vats. (2011). The protection and management of the Sargasso Sea: The golden floating rainforest of the Atlantic Ocean. *The Sargasso Sea Alliance and Bermuda Government, Tech. Rpt.*

(42) Helmke P., S. Neuer, M. W. Lomas, M. Conte and T. Freudenthal. (2009) Cross-basin differences in the organic carbon export and flux attenuation in the subtropical North Atlantic Gyre. *Deep-Sea Res. I*, 10.1016/j.dsr.2009.11.001

(41) Mortazavi, B., M. H. Conte, J. Chanton, M. C. Smith, J. C. Weber, J. Crumsey and J. Ghashghaie. (2009) Does the $^{13}C$ of foliage respired $CO_2$ and biochemical pools reflect the $^{13}C$ of recently assimilated carbon? *Plant, Cell and Environment*, 32, 1310-1323.

(40) Roberts, K. A., C. Xu, C.-C Huang, M. H. Conte, P. H. Santschi. (2009) Scavenging and fractionation of thorium vs. protactinium in the ocean, as determined from particle-water partionaing experiments with sediment trap material from the Gulf of Mexico and Sargasso Sea. *Earth Planet. Sci. Letts.*, 286, 131-138

(39) Hobbie J. E., E. A. Hobbie, J.C. Weber, J. Shamhar, H. Drossman, and M. Conte (2009) Mycorrhizal fungi supply nitrogen to host plants in arctic tundra and boreal forests: $^{15}N$ is the key signal. *Can. J. Microbiology55, 84-94.*

(38) Huang, S. and M. Conte (2009) Source/process apportionment of major and trace elements in sinking particles in the Sargasso Sea, *Geochim. Cosmochim. Acta 73, 65-90.*

(37) Turich, C. M., K. H. Freeman, M. A. Bruns, M. Conte, A. Jones and S. G. Wakeham. (2007) Lipids of the marine Archea: Patterns and provenance in the water-column and sediments. *Geochim. Cosmochim. Acta* 71, 3272-3291

(36) Stoll, H., P. Ziveri, N. Shimizu, M. Conte and S. Theroux. (2007). Relationship between coccolith Sr/Ca ratios and coccolithophore production and export in the Arabian Sea and Sargasso Sea. *Deep-Sea Res. II,* 54, 581-600.

(35) Van Beek, P., R. Francois, M. Conte, J.-L. Reyss, M. Souhant and M. Charette (2007) $^{228}Ra/^{226}Ra$ and $^{226}Ra/Ba$ ratios in seawater and particles at the OFP site in the western Sargasso Sea near Bermuda. *Geochim. Cosmochim. Acta.* 71, 71-86.

(34) Huang, S., E. R. Sholkovitz and M. H. Conte. (2007) Application of high-temperature fusion for analysis of major and trace elements in marine sediment trap samples. *Limnol. Oceanogr: Methods.*5, 13-22.

(33) Conte, M. H., M.-A. Sicre, C. Ruhlemann, J. C. Weber, S. Schulte, D. Schulz-Bull and T. Blanz (2006) Global temperature calibration of the alkenone unsaturation index ($U^{K'}_{37}$) in surface waters and comparison with surface sediments. *Geochem., Geophys., Geosys.* 7, doi:10.1029/2005GC001054

(32) Medeiros, P. M., M. H. Conte, J. C. Weber and B. R. T. Simoneit (2006) Sugars as source indicators of biogenic organic carbon in aerosols collected above the Howland Experimental Forest, Maine. *Atmos. Environ*. 40, 1694-1705.

(31) Conte, M. H., T. D. Dickey, J. C. Weber, R. J. Johnson and A. H. Knap. (2003) Transient physical forcing of pulsed export of bioreactive organic material to the deep Sargasso Sea. *Deep-Sea Research I* 50, 1157-1187.

(30) Anand, P., H. Elderfield and M. H. Conte (2003) Calibration of Mg/Ca thermometry in planktonic foraminifera from a sediment trap time series. *Paleoceanogr.* 18, doi: 10.1029/2002PA000846.

(29) Conte, M. H., J. C. Weber, P. J. Carlson and L. B. Flanagan. (2003) Molecular and carbon isotopic composition of leaf wax in vegetation and aerosols in a northern prairie ecosystem. *Oecologia,*135, 67-77.

(28) Conte, M.H. and J.C. Weber (2002) Long range atmospheric transport of terrestrial biomarkers to the western North Atlantic, *Global Biogeochem. Cycles*. 16(4), 1142, doi:10.1029/2002GB001922.

(27) Conte, M.H. and J.C. Weber (2002) Plant biomarkers in aerosols record isotopic discrimination of terrestrial photosynthesis. *Nature* 417, 639-641.

(26) Antia, A.N. , W. Koeve,, G. Fischer, T. Blanz, D. Schulz-Bull, J. Scholten, S. Neuer, K. Kremling, J. Kuss, R. Peinert, D. Hebbeln, U. Bathmann, M. Conte, U. Fehner, B. Zeitzschel. (2001) Basin-wide particulate carbon flux in the Atlantic Ocean: regional export patterns and potential for atmospheric $CO_2$ sequestration. *Global Biogeochem. Cycles* 15, 845-862.

(25) Bijma J., Altabet M., Conte M., Kinkel H, Versteegh J. M., Volkman J. K., Wakeham S. G. and Weaver P. P. (2001) Primary signal: Ecological and environmental factors- Report from Working Group 2. *Geochem., Geophys., Geosystems*, 2, paper number 2000GC000051.

(24) Eglinton, T. I., M. H. Conte, G. Eglinton and J. M. Hayes (2001) Proceedings of a workshop on alkenone-based paleoceanographic indicators. *Geochem., Geophys., Geosystems*, 2, paper number 2000GC000122.

(23) Conte, M.H., J.C. Weber, L.L. King, S.G. Wakeham (2001) The alkenone temperature signal in western North Atlantic surface waters. *Geochem. Cosmochim. Acta* 65, 4275-4287

(22) Conte, M. H., N. Ralph and E. Ross (2001) Seasonal and interannual variability in deep ocean particle fluxes at the Oceanic Flux Program/Bermuda Atlantic Time-series (BATS) site in the western Sargasso Sea near Bermuda, *Deep-Sea Res. II*, 48, 1471-1505.

(21) Conte, M. H., J. C. Weber, and N. Ralph (1998) Episodic particle flux in the deep Sargasso Sea: An organic geochemical assessment. *Deep-Sea Res.* I 45, 1819-1841.

(20) Conte, M. H., A. Thompson, D. Lesley and R. P. Harris (1998) Genetic variability and physiological influences on the alkenone/alkenoate versus growth temperature relationship in *Emiliania huxleyi* and *Gephyrocapsa oceanica*. *Geochim. Cosmochim. Acta* 62, 51-68.

(19) Madureira, L. A. S., S. van Keveld, G. Eglinton, M. H. Conte, G. Ganssen, J. E. van Hinte, J. Ottens. (1997) Late Quaternary high-resolution biomarker and other sedimentary climate proxies in a northeast Atlantic core. *Paleoceanogr.* 12, 255-269.

(18) Ternois, Y., M.-A. Sicre, A. Lorre, A. Saliot, M. H. Conte and G. Eglinton (1997) Evaluation of long-chain alkenones as paleotemperature indicators in the Mediterranean Sea. *Deep-Sea Res.* 44, 271-286.

(17) Conte, M. H., G. Eglinton and L. A. S. Madureira (1995) Origin and fate of organic biomarker compounds in the water column and sediments of the eastern North Atlantic. *Phil. Transactions of the Royal Society* 348, 169-178.

(16) Conte, M. H., J. C. Green and G. Eglinton (1995) Lipid biomarker diversity in the coccolithophorid *Emiliania huxleyi* (PRYMNESIOPHYCEAE) and the related species *Gephyrocapsa oceanica*. *J. Phycol.* 31,272-282.

(15) Madureira, L. A. S., M. H. Conte and G. Eglinton (1995) The early diagenesis of lipid biomarker compounds in North Atlantic sediments. *Paleoceanogr.* 10, 627-642.

(14) Peterson, L. C., M. R. Abbott, D. M. Anderson, J. P. Caulet, M. H. Conte, K. C. Emeis, A. E. S. Kemp, and C. P. Summerhayes. (1995) How do upwelling systems vary through time? pp. 285 - 313 in C. P. Summerhayes et al. (eds.) *Upwelling in the Ocean: Modern Processes and Ancient Records*. J. Wiley and Sons, Chichester. 422 pp.

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(12) Conte, M. H., L. A. S. Madureira, D. Keen, C. Rendall, and G. Eglinton (1994) Millimeter-scale profiling of abyssal marine sediments: Role of bioturbation in early sterol diagenesis. *Org. Geochem*. 22, 979-998.

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(10) Conte, M. H. and G. Eglinton (1993) Alkenone and alkenoate distributions within the euphotic zone of the eastern North Atlantic: Correlation with production temperature. *Deep-Sea Res*. 40, 1935 - 1962.

(9) Westbroek, P., C. W. Brown, J. van Bleijswijk, G. J. Brummer, M. H. Conte, J. Egge, E. Fernandez, R. Jordan, M. Knappertsbusch, J. Stefels, M. Veldhuis, P. van der Wal and J.

Young (1993) A model system approach to biological climate forcing: The example of *Emiliania huxleyi*. *Global and Planetary Change* 8, 27 - 46.

(8) Weeks, A., M. H. Conte, R. P. Harris, A. Bedo, I Bellan, P. H. Burkill, E. S. Edwards, D. S. Harbour, H. Kennedy, C. Llewellyn, P. Burkill, R. F. C. Mantoura, C. E. Morales, A. J. Pomroy and C. C. Turley. (1993) The physical and chemical environment and changes in community structure associated with bloom evolution: the JGOFS North Atlantic Bloom Experiment. *Deep-Sea Res.* II 40, 347-368.

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(6) Conte, M. H. and Bishop, J. K. B. (1988) Nanogram quantification of nonpolar lipid classes in environmental samples by high-performance thin-layer chromatography. *Lipids* 23, 493-500.

(5) Conte, M. H., Bishop, J. K. B. and Backus, R. H. (1986) Nonmigratory, 12-kHz, deep scattering layers of Sargasso Sea origin in warm-core rings. *Deep-Sea Res*. 33, 1869-1884.

(4) Bishop, J. K. B, Conte, M. H., Wiebe, P. H., Roman, M. R. and Langdon, C. (1986) Particulate matter production and consumption in deep mixed layers: Observations in a warm-core ring. *Deep-Sea Res*. 33, 1813-1841.

(3) Bishop, J. K. B., Schupack, D., Scherrell, R. M. and Conte, M. H. (1985) A Multiple Unit Large Volume *in situ* Filtration System (MULVFS) for sampling oceanic particulate material in mesoscale environments. In: A. Zirino, ed*. Mapping Strategies in Chemical Oceanography,* vol. 209, Adv. in Chemistry Series, Am. Chem. Soc., Washington D. C.

(2) Conte, M. H., Otto, R. G and Miller, P. E. (1980) Day/night distributions of juvenile fishes in the Upper Chesapeake Bay. Special Report No. 80, Chesapeake Bay Institute, Baltimore MD.

(1) Conte, M. H., Otto, R. G. and Miller, P. E. (1979) Short term variability in ichthyoplankton in the Upper Chesapeake Bay. *Est. Coastal Mar. Sci*. 8, 511-522.

**Non-Refereed Literature/Media and other contributions**

Conte. M. H. (2022) A time-series success story. BIOS Currents (Feb 2022)

Peterson, C. (2020) In: Into the Deep: Science, Technology and the Quest to Protect the Ocean. Twenty-First Century Books, Lerner Publ. (student textbook, chapter features the OFP time-series and its scientists)

Conte, M. H. (2018) Celebrating 40 Years of the Oceanic Flux Program. BIOS Currents (April 2018).

Orr K. K. (2014) Floating Seaweed (*Sargassum*). In: Laffoley D, Thevenon F, Baxter J. and Oliver J. (editors), *Managing Natural Carbon Stores in the Open Ocean: Raising Awareness, Understanding the Importance, Taking Actions.* International Union for Conservation of Nature (IUCN). Gland, Switzerland. 124 pp.

Conte M. H. (2013) Celebrating 35 Years of Particle Flux Measurements in the Sargasso Sea. BIOS currents (Apr 2013)

Conte, M. H. (2008) Observing the Global Community. BIOS Meridian Winter 08/09 20-21.

Conte, M. H. (2006) The R/V Bank of Bermuda Atlantic Explorer: Designed to meet the needs of ocean research and education. BIOS Meridian (Fall 06) 11-13.

Conte, M. H. (2005) Will changing climate change the deep? BBSR Currents (Winter 2005/2006)

Conte, M. H. (2003) OFP: Discovering changes in the deep. BBSR Currents (Winter 2002/2003, 13.

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