

CURRICULUM VITAE

STEPHEN JOHN CULVER

Thomas Harriot College Distinguished Professor, Department of Geological Sciences,
East Carolina University, Greenville, NC 27858, U. S. A.

ACADEMIC QUALIFICATIONS:

D.Sc., July 1997, Biological Sciences, University of Wales, U.K.

Ph.D., October 1976, Oceanography and Marine Geology, University of Wales, Swansea, U.K.
(attended graduation ceremony July 1978)

B.Sc. (2.1), July 1973, Geology, University of Wales, Swansea, U.K.

PROFESSIONAL QUALIFICATIONS

Professional Geologist, Virginia Board of Geology (1986-1987)
Chartered Geologist (C.Geol), The Geological Society (1997 to 2019)

POSITIONS HELD:

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| 1973-76 | Research Demonstrator, Department of Oceanography, University College Swansea. |
| 1977-78 | Lecturer in Geology, University of Sierra Leone. |
| 1978-79 | Postdoctoral Fellow, foraminiferal research, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution, Washington, D.C. |
| 1979-81 | Research Fellow, foraminiferal research, Department of Paleobiology, National Museum of Natural History, Smithsonian Institution, Washington, D.C. |
| 1981-1982 | Assistant Professor, Department of Geology, Oklahoma State University. |
| 1982-1987 | Associate Professor, Department of Geological Sciences, Old Dominion University. |
| 1987-1991 | Professor, Department of Geological Sciences, Old Dominion University. |
| 1991-1993 | Professor and Eminent Scholar, Department of Geological Sciences, Old Dominion University |
| 1994-1999 | Adjunct Professor of Geological Sciences, Old Dominion University. |
| 1994-1999 | Associate Keeper of Palaeontology, The Natural History Museum, London |
| 1999-2022 | Chair, Department of Geological Sciences, East Carolina University |
| 1999-2008 | Professor, Department of Geological Sciences, East Carolina University |
| 2008-to date | Thomas Harriot College of Arts and Sciences Distinguished Professor, East Carolina Univ. |
| 2007-2008 | Interim Director, Institute for Coastal Science and Policy |
| 2014 (June) | Visiting Professor, Universiti Malaysia Terengganu |
| 2015 (June) | Visiting Professor, Universiti Malaysia Terengganu |
| 2016 (May/June) | Visiting Professor, Universiti Malaysia Terengganu |

OTHER PROFESSIONAL EXPERIENCE:

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| 1979 | Geologic consultant, Diamond Distributors Exploration, Sierra Leone. |
| 1982 | Consultant researcher, Smithsonian Institution, Washington, D.C. |
| 1983-1986 | Geologic consultant, to a consortium of oil companies; Gulf, Chevron, Arco, Cities Service, Sohio, Marathon, Getty. |
| 1984 | Geologic consultant, Cities Service Company. |
| 1985-1986 | Geologic consultant, Texaco, Chevron, Arco. |
| 1988-1989 | Geologic consultant, Unocal |
| 1991 | Geologic consultant, Unocal |
| 1992-1993 | Consultant researcher, Smithsonian Institution, Washington, D.C. |
| 1993 | Geologic consultant, Mobil |

HONORS AND AWARDS:

Diploma in recognition of scholarly research at the Smithsonian Institution, 1979
 Research Associate of the National Museum of Natural History, Smithsonian Institution, 1981 to date
 Sigma Xi Award for Excellence in Research, 1982.
 Oklahoma State University Sigma Xi Designated Lecturer for 1982
 Old Dominion University Eminent Scholar, 1991-1993
 Charles Schuchert Award, Paleontological Society, 1992
 Honorary Research Fellow, University College London, 1994-1997
 D.Sc., University of Wales, 1997
 Cecil and Ida Green Honors Professor, Texas Christian University, 1997
 Appointed Honorary Professor, University College London, 1997
 Sigma Xi Helms Award, ECU, 2003
 Fellow of the Paleontological Society, 2005 to date
 Thomas Harriot College of Arts and Sciences Distinguished Professor, 2008 to date
 Joseph A. Cushman Medal for Excellence in Foraminiferal Research, October 2014
 Cushman Foundation Outstanding Service Award for 35 years of service, October 2017
 Honorary Degree, Doctor of Science, Universiti Malaysia Terengganu, November 2017
 ECU Achievement in International Research and Creativity Award, 2018
 Cushman Foundation Board of Directors recognition of 32 years of service as Special Publications Editor, 2021

PROFESSIONAL SOCIETIES:

Fellow of the Cushman Foundation for Foraminiferal Research
 Member of the Micropaleontological Society
 Member of the North American Micropaleontology Section, SEPM
 Member and Fellow of the Paleontological Society
 Member of the American Geophysical Union
 Member of the Geological Society of America
 Member of the Society for Sedimentary Geology (SEPM)
 Member of the American Association of the Advancement of Science

PROFESSIONAL SERVICE:

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| 1981-2012 | Cushman Foundation for Foraminiferal Research, Special Publications Editor |
| 1982-1986 | Cushman Foundation for Foraminiferal Research, North American Paleontological Convention IV, Representative |
| 1986-1987 | Technical Program Chairman, SE Section Geological Society of America, 1987 Annual Meeting |
| 1987 | Chairman, nominating committee, North American Micropaleontological Section of SEPM |
| 1987-2016 | Member of the Cushman Foundation for Foraminiferal Research Board of Directors |
| 1988-1993 | Paleontological Society Short Course Notes Editor |
| 1988-1989 | President, Cushman Foundation for Foraminiferal Research |
| 1988-1993 | Paleontological Society Council Member |
| 1990-1993 | <i>Geology</i> , Editorial Board Member |
| 1991-1994 | FORAM '94 organizing committee, east coast USA representative |
| 1991-1992 | President, Cushman Foundation for Foraminiferal Research |
| 1992 | Joint Technical Program Committee Member, Geological Society of America |
| 1993 | Member of Gilbert Fellowship Awards Panel (U.S.G.S.) |
| 1994-1995 | Member of the Geological Society Publications Committee |
| 1995-1998 | Honorary Secretary (Publications) of the Geological Society, London Officer of the Geological Society, London Council Member of the Geological Society, London Chair of the Geological Society, London Publications Board Chair of the Joint Committee for Palaeontology Member of the <i>Geology Today</i> advisory committee Chair of the Geological Society, London Publications Policy Committee Member of the Editorial Boards for <i>Journal of the Geological Society</i> , <i>Quarterly Journal of Engineering Geology</i> , <i>Geoscientist</i> |
| 1996-1997 | Member of the <i>Terra Nova</i> Management Board |
| 1996-1997 | Technical and Scientific Committee Member for First International Conference on "Applications of Micropaleontology in Environmental Sciences", Israel 1997. |
| 1997 | Member of <i>Petroleum Geoscience</i> Management Board |

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| 1998 | Chair of <i>Petroleum Geoscience</i> Management Board |
| 1999-2000 | Vice President, Cushman Foundation for Foraminiferal Research |
| 2000-2001 | President, Cushman Foundation for Foraminiferal Research |
| 2006-2010 | Chair, NC Coastal Studies Institute, Science Coordinating Committee |
| 2006-2010 | Member of UNC Marine Sciences Taskforce |
| 2008-2012 | Member of Schuchert Award Committee, Paleontological Society |
| 2013-2022 | Member of the Aurora Fossil Museum Board of Directors |
| 2014 to date | Member of North Carolina Land of Water (NC LOW) Board of Directors |
| 2015-2016 | Cushman Foundation for Foraminiferal Research, Special Publications Editor |

SERVICE AND ADMINISTRATION AT EAST CAROLINA UNIVERSITY (1999 to date)

Chair, Department of Geological Sciences (1999-2022)
 Organizer of ECU Community Forum on Floods
 Organizer of faculty articles on Floods in the Raleigh News and Observer
 Member, May 2000 Flood Conference organizing committee
 Co-Chair, May 2001 Hazards conference organizing committee
 Member, Committee for a Center for Natural Hazards Mitigation
 Member, SACS Committee on Interdisciplinary Center of Excellence
 Chair, May 2002 Hazards Conference Organizing Committee
 Member, Committee for a Center of Coastal Research
 Member, Committee for Planning Chairs' Retreat
 Member CRM Program Steering Committee
 Chancellor's representative Faculty Senate Teaching Grants Committee
 Member, Flanagan Building executive committee
 Member, ECU Research Center Planning committee
 Chair, Nominating Committee for Chair of Sociology
 Member, Center for Integrative Coastal Studies proposal committee
 Chair, Geology Advancement Council
 Member, Natural Hazards Director nominating committee
 Member, Harriot College Task Force on Grant Procurement
 Member, Coastal and Maritime Council
 Member, Harriot College of Arts and Sciences Centennial Committee
 Member, UNC General Administration task force on Marine Sciences
 Member, Coastal and Maritime Council Workshop Committee
 Chair, Chairs' Retreat Planning Committee
 Member, Harriot College Centennial Committee
 Chair, UNC Coastal Studies Institute, Science Coordinating Committee
 Chair, Search Committee for Chair of Mathematics
 Interim Director, Institute for Coastal Science and Policy
 Chair, ECU Coastal and Maritime Council
 Member, CSI Land Acquisition Subcommittee
 Chair, Harriot College Distinguished Professor Nominating Committee
 Member, University Budget Task Force
 Member, Communications Subcommittee, University Budget Task Force
 Member, F & A Task Force
 Member, O. Max Gardener Award Selection Committee
 Member, Museum Task Force
 Member, Faculty Manual Steering Committee
 Member, F & A, Start-up Program Committee
 Member, Dept. Psychology, Academic Program Review Committee
 Member, Harriot College of Arts and Sciences, Dean Search Committee
 Member, HCAS Voyages of Discovery, HCAS, Committee
 Member, HCAS Temporary Variable Supplement Policy Committee
 Member, HCAS Assessment Review Committee
 Chair, Search Committee for Chair of English
 Chair, Search Committee for Chair of Biology
 Departmental Faculty 180 representative
 Member, Selection Committee for integrated coastal science faculty
 Departmental Representative for QEP program
 Member, Dept. Anthropology, Academic Program Review Committee
 Chair, Harriot College Distinguished Professor Selection Committee

Member, ECU Task Force on Resilience Institute

SERVICE AND ADMINISTRATION AT THE NATURAL HISTORY MUSEUM, (1994-1999)

(Extensive management training: managing change, financial management for non-financial managers, health and safety related legislation, staff appraisal, fire safety, health & safety in the field, management development, senior managers safety course, people management, evaluation workshop, management and marketing, appraisal interviewing, team briefing. Also various courses in information technology (e.g., spreadsheets, word processing, web page design) and a one week Systematics Association course on cladistics.

Associate Keeper of Palaeontology, The Natural History Museum - managed approximately 80 staff in three divisions, in areas of research, curation, education, external income attraction, information technology

Member of science senior management group

Chair, Global Change and the Biosphere Research Program

Chairman, Committee on Museum Seminars

Coordinating Group for Ecological Patterns and Processes Research Theme

Science Marketing Group

Curation Data Base Group

Images Policy Group

Information Policy Group on database management systems and operating systems

Science Project Information System Task Group

Chairman of Working Party on Recruitment and Training of Scientific Staff

Chief Liaison Officer (Palaeontology) for Earth Galleries redevelopment

Exhibition Policy Working Group

Consultancy Strategy Group

Communicating Science Project Group

Chair of EU Large Scale Facility Project selection committee

Working Group on targets and performance indicators for staff development

Working Group on the role of science programmes and programme leaders

SERVICE AND ADMINISTRATION AT OLD DOMINION UNIVERSITY (1982-1993)

Member Virginia Barrier Islands Steering Committee

Departmental International Programs Representative

Member AMRL Advisory Committee

Member Marine Sciences Building Advisory Committee

Chair, Ph.D. Committee, Department of Geological Sciences

Co-author of the second 5-Year Plan for the Department of Geological Sciences

Member Department of Geological Sciences, Graduate Program Committee

Member Marine Sciences Building Committee

Member Summer Research Grant Committee

Member Operations Committee, College of Sciences

Chair, Professorial Promotions Committee, Department of Geological Sciences

Co-author of Ph.D. proposal for Department of Geological Sciences

Director Ph.D. Graduate Program, Department of Geological Sciences

Member International Programs Director Search Committee

University Grievance Committee Hearing Panel

Chair, Salary Review Committee, Department of Geological Sciences

Chair, Operations Committee, College of Sciences

Member Promotion Committee, College of Sciences

Chair, Stratigraphy and Structural Geology Search Committees

Graduate Program Director, Department of Geological Sciences

Member Curriculum Committee, College of Sciences

Member Search Committee for Dean of College of Sciences

RESEARCH GRANTS:

National Diamond Corporation of West Africa, Sierra Leone, 1977-1978. \$500.

Smithsonian Postdoctoral Fellowship, 1978-1979. \$14,000.

Smithsonian Scholarly Studies Award, 1979-1980 (with M.A. Buzas, PI). \$23,539.

Smithsonian Scholarly Studies Award, 1980-1981 (with M.A. Buzas, PI). \$28,252.
 Petroleum Research Fund (American Chemical Society) Grant, 1982-1984. \$10,000.
 National Science Foundation Grant, 1982-1987. \$52,000.
 Texaco University Research Support Program Grant, 1983-1984. \$42,540.
 Cities Service Company Grant, 1983. \$5,000.
 National Geographic Society Grant, 1984-1985. \$14,971.
 Texaco University Research Support Program Grant, 1984-1985. \$19,000.
 Cities Service Company Grant, 1984-1985. \$9,000.
 Chevron, Arco, Texaco, Grant, 1985-86. \$18,000.
 Texaco University Research Support Program Grant, 1985-1986. \$25,000.
 Cities Service Company Grant, 1985-1986. \$9,000.
 National Geographic Society Grant, 1986-1987. \$10,765.
 National Science Foundation Grant, 1986-1989. \$60,000.
 National Science Foundation Grant, 1989-1992. \$72,000.
 National Science Foundation Grant, 1990-1993. \$13,970.
 Petroleum Research Fund (American Chemical Society) Grant, 1991-1993. \$17,000.
 National Science Foundation Grant, 1993-1996 (with D. Kamola, CoPI). \$67,495.
 Natural Environment Research Council Grant, 1996-1998 (with N MacLeod, CoPI) \$53,000
 Natural Environment Research Council Grant, 1996-1999 (with N MacLeod, CoPI) \$82,000
 US Geological Survey Grant, 2001-2002 (with Riggs, Mallinson, Corbett, CoPIs) \$91,295
 US Geological Survey Grant, 2002-2003 (with Riggs, Mallinson, Corbett, CoPIs) \$162,000
 US Geological Survey Grant, 2003-2004 (with Riggs, Mallinson, Corbett, CoPIs) \$165,000
 US Geological Survey Grant, 2004-2005 (with Riggs, Mallinson, Corbett, CoPIs) \$165,001
 Petroleum Research Fund (American Chemical Society) Grant, 2004-2007, \$80,000
 US Geological Survey Grant, 2005-2006 (with Riggs, Mallinson, Corbett, CoPIs) \$200,000
 US Geological Survey Grant, 2006-2007 (with Riggs, Mallinson, Corbett, Walsh, CoPIs) \$165,000
 US Geological Survey Grant, 2007-2008 (with Riggs, Mallinson, Corbett, Walsh, CoPIs) \$121,995
 NC-DENR Grant, 2007 (with Riggs, Mallinson and Parham CoPIs) \$11,000
 UNC Research Competitiveness Grant, 2007-2008 (with several CoPIs) \$288,694
 US Geological Survey Grant, 2008-2009 (with Riggs, Mallinson, CoPIs) \$35,351
 UNC Research Competitiveness Grant, 2008-2009 (with several CoPIs) \$73,500
 US Geological Survey Grant, 2009-2010 (with Riggs, Mallinson, CoPIs) \$25,000
 Petroleum Research Fund (American Chemical Society) Grant, 2010-2012, \$100,000
 UNC Chapel Hill/Duke Energy Subcontract 2010 (with Mallinson and Riggs) \$35,175
 US Geological Survey Grant, 2010-2011 (with Riggs, Mallinson, Corbett, Walsh, CoPIs) \$30,000
 National Science Foundation Grant, 2011-2015 (with Mallinson (PI), Leorri, Mitra, CoPIs) \$399,923
 Kenan Institute (NCSU), 2011-2012 (with Riggs (PI), Rummel, CoPIs) \$40,000
 National Science Foundation Grant, 2012-2015 (with Mallinson, Corbett, Leorri, Mitra, Curtis, CoPIs) \$49,974
 Kenan Institute (NCSU), 2012-2013 (with Riggs (PI), Rummel, CoPIs) \$25,000
 National Science Foundation Grant, 2013-2016, \$41,934
 Petroleum Research Fund Grant, 2015-2020, \$70,000.
 National Science Foundation RAPID grant, 2018-2019 (with Mallinson, PI), \$69,466.
 National Science Foundation grant, 2019-2022 (with Mallinson (PI), Leorri and DeWitt, CoPIs), \$149,115.

ECONOMIC DEVELOPMENT GRANTS (NC LOW):

Z. Smith Reynolds, 2015-2017, (NC LOW Board of Directors), \$60,000
 Kenan KIFE/KIETS, 2015-2017 (NC LOW Board of Directors), \$50,000
 NC Commerce. Rural Economic Development Division, 2015-2016, (NC LOW Board of Directors), \$50,000
 Reiser Foundation, 2016-2017 (NC LOW Board of Directors), \$15,000
 Bertie County, 2017-2018 (NC LOW Board of Directors), \$25,000
 City of Windsor, 2017-2018 (NC LOW Board of Directors), \$25,000
 NC Sea Grant (NC LOW Board of Directors), \$25,000

OTHER FUNDING:

Secured over \$125,000 from private and government institutions for publication of Cushman Foundation Special Publications.
 Responsible for attracting petroleum industry consulting funds to the Department of Palaeontology NHM.
 Instrumental in acquiring two \$500,000 congressional add-ons to a USGS-ECU research consortium.

TEACHING EXPERIENCE:

48 years teaching experience in British and USA education systems at introductory to doctoral level.

Courses taught 1973-1978 (UK system)

Techniques of oceanographic and marine geological research, micropalaeontology, invertebrate palaeontology, vertebrate palaeontology, sedimentology, sedimentary petrology, West African stratigraphy, stratigraphy of the British Isles, principals of stratigraphy, field geology (Archaean to Quaternary igneous, metamorphic and sedimentary rocks).

Courses taught 1981-date (USA system)

Physical geology, historical geology, micropaleontology, paleontology, stratigraphy, coastal plain Mesozoic and Cenozoic stratigraphy, current topics in geoscience.

M.S. THESES (advised or coadvised):

- A.C. Gary, 1984. Fourier series analysis of the relationship of morphologic variation and environment in Recent *Bolivina* (Foraminiferida) from the northwestern Gulf of Mexico.
- J.H. Goshorn, 1985. Foraminiferal Paleoenvironments of the Eastover Formation (Upper Miocene, Virginia).
- R.C. Orndorff, 1985. Conodont biostratigraphy of the Cambrian-Ordovician boundary interval in the northern Shenandoah Valley of Virginia.
- A.W. Magee, 1985. Depositional environments of late Precambrian sediments from Liberia, Sierra Leone, and Senegal, West Africa.
- J.K. Palmer, 1986. Benthic foraminifera and paleoenvironments of the Arcola Limestone Member, Mooreville Formation (Campanian) in eastern Mississippi and Western Alabama.
- A. Orndorff, 1988. Foraminiferal biostratigraphy and paleoenvironmental analysis of the Anuahac Formation (Oligocene to Miocene) from a deep well in Vermilion Parish, Louisiana.
- E. Collins, 1988. Recent benthic foraminifera of Breton and Stake Islands, northern Gulf of Mexico.
- M. Lawless, 1989. Lithofacies of the Pliocene Yorktown Formation in the vicinity of Kingsmill on the James River, Virginia.
- L. Doan, 1991. Lithofacies of the Upper Pliocene Chowan River Formation along the Roanoke River, northeastern North Carolina (non-thesis research paper).
- J. Lundquist, 1993. Recent benthic foraminifera, petrology, and implications for recent transport in Wilmington and South Hyes submarine canyons, U.S. Atlantic continental margin.
- K. Smith, 1995. Foraminifera as indicators of sequence boundaries, Blackhawk Formation (Upper Cretaceous) Utah.
- P. Parham, 2003. The Quaternary lithostratigraphy, seismic stratigraphy and geologic history of the Croatan Sound area, North Carolina.
- C.G. Smith, 2004. Late Holocene geologic development of Pea Island and Avon-Buxton area, Outer Banks, North Carolina.
- D.J. Vance, 2004. Modern and historic trends in foraminiferal distributions and sediment dynamics in the Albemarle estuarine system, North Carolina
- I. Abbene, 2004. Reconstruction of the Recent paleoenvironment of Pamlico Sound, North Carolina using Foraminifera, stable isotopes ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$), and radionuclide data
- J. Ricardo, 2005. Late Holocene paleoenvironmental change of the Salvo-Gull Island-Little Kinnekeet area, Outer Banks, North Carolina
- C. Grand Pre, 2006. Holocene paleoenvironmental change in Pamlico Sound, North Carolina: foraminiferal and stable isotopic evidence.
- J. Jomp, 2006. Quaternary lithostratigraphy, biostratigraphy, seismic stratigraphy and geologic history of the Buxton-Avon area, North Carolina (non-thesis research paper)
- J. Rosenberger, 2006. Late Holocene back-barrier development of Portsmouth Island, Outer Banks, North Carolina.
- D. Twamley, 2006. Holocene geologic development of the Hatteras Village area, Outer Banks, North Carolina.
- C. W. Smith, 2006. Lithologic, geophysical, and paleoenvironmental framework of relict inlet channel-fill and adjacent facies: North Carolina Outer Banks.
- J.A. Foley, 2007. Foraminiferal, sedimentological, and geochemical indications of Holocene environmental change in Pamlico Sound, North Carolina.
- C.L.T. Stanton, 2008. Holocene inner shelf stratigraphy, micropaleontology and paleoenvironmental change off the Outer Banks, North Carolina.
- M. Hale, 2008. Late Holocene geologic evolution of central Ocracoke Island, Outer Banks, North Carolina.

- R. Pruitt, 2008. Foraminiferal evidence for recent environmental change in Core Sound, North Carolina.
- L. Metger, 2009. Holocene paleoenvironmental change in southern Pamlico Sound, North Carolina.
- K. McDowell, 2009. Holocene geologic development of central Hatteras Flats and Buxton beach ridges, Outer Banks, North Carolina.
- R. Camp, 2009. Distribution of benthic foraminifera of the Waipaoa River margin, New Zealand: implications for sediment transport.
- D. VandeVelde, 2009. The foraminiferal signature of hurricanes: Mississippi delta, inner shelf, and Mississippi canyon, northern Gulf of Mexico (non-thesis research paper).
- K. Best, 2009. Geologic evolution of the Croatan beach ridge complex, Bogue Sound and Bogue Banks, Carteret County, North Carolina.
- C. Crane, 2011. Vertebrate paleontology and taphonomy of the Late Cretaceous (Campanian) Bladen Formation, Bladen County, North Carolina.
- K. Rabien, 2012. The foraminiferal signature of recent Gulf of Mexico hurricanes.
- K. Moran, 2012. Late Holocene evolution of Currituck Sound, North Carolina, USA: environmental change driven by sea-level rise, storms and barrier island morphology.
- A. Ellis, 2013. The influence of aquaculture on foraminifera and sediment properties in the Setiu estuary and lagoon of Terengganu, Malaysia.
- H. Thornberg, 2013. Foraminiferal and geochemical evidence of environmental change in response to aquaculture in the Setiu estuarine-lagoonal system, Terengganu, Malaysia.
- R. Tichenor, 2013. Foraminifera as indicators of hypoxia off Southwest Pass, Mississippi Delta, Gulf of Mexico.
- A. L. Woodson, 2014. A record of Holocene climate change from the Sunda Shelf, South China Sea.
- C.F. Smith, 2015. Holocene evolution of the Ocracoke Inlet flood-tide delta region, Outer Banks, North Carolina.
- A. Dietsche, 2015. The late Quaternary evolution of north Core Sound, North Carolina.
- J. Kegel, 2015. Extension of the late Holocene sea-level record in North Carolina.
- D. Reed, 2016. Mid- to Late Holocene Environmental Change on the Sunda Shelf off NE Peninsular Malaysia (non-thesis research paper).
- H. Hindes, 2016. Holocene Sedimentary Record from the Sunda Shelf off Peninsular Malaysia: Insights from Elemental, Isotopic and Bulk Sediment Magnetic Susceptibility Analyses.
- S. Martin, 2016. Distribution and taxonomy of modern benthic foraminifera of the western Sunda Shelf (South China Sea) off peninsular Malaysia.
- E. Harrison, 2017. Holocene paleoenvironmental reconstruction of the Sunda Shelf, off northeastern peninsular Malaysia.
- B. Donovan, 2017. A multiproxy paleoenvironmental reconstruction of late Quaternary marine sediments: Sunda Shelf, southern South China Sea.
- C.J. Whitley, 2017. Regional correlation of the Holocene sedimentary record, Sunda Shelf, South China Sea (non-thesis research paper).
- B. Querry, 2018. Geology and origin of sand ridges in a back-barrier estuary, Pamlico Sound, North Carolina.
- M.R. Twarog, 2018. Holocene paleoenvironmental reconstruction of depositional environments on the Sunda Shelf, southwest South China Sea, using a multidisciplinary approach.
- N. Shmorhun, 2018. Characterizing coastal subenvironments with modern foraminiferal assemblages: Bear Island and Bogue Banks, North Carolina.
- S. Sutton, 2020. Foraminiferal community dynamics of the Chesapeake Group, Calvert Cliffs, Maryland, USA.
- W. Spivey, 2021. Benthic foraminiferal assemblage and sedimentological changes within the Pliocene Yorktown Formation, southeastern Virginia.
- A. Cressman, 2022. Defining the response of allow gradient coastal system to rapid sea-level change during the late Pleistocene (non-thesis research paper).
- C. Allen, 2022. Foraminiferal and sedimentological indicators of hurricane impact on inner shelf and coastal environments, North Carolina, USA (non-thesis research paper).
- E.K. Gudmunson, 2022. Defining the stratigraphic and paleoenvironmental record of rapid sea-level rise during the late Pleistocene to Holocene in the Albemarle Sound region of North Carolina.

Other universities – MS thesis committee member for:

- R.L. Lubitz, 2015. A paleoenvironmental reconstruction of a coastal lake in northeastern Dominican Republic. (Virginia Polytechnic Institute)
- Nur Sakinah Abd Razak, 2019. Benthic foraminifera of Kilim National Geopark, Langkawi, Kedah, Malaysia. (Universiti Malaysia Terengganu)

PhD DIRECTION:

P. Parham, 2009. The late Quaternary stratigraphy and geologic history of northeastern North Carolina. (East Carolina University) (S.R. Riggs, coadvisor)

PhD dissertation committee member for:

M.R. Byrnes, 1988. Holocene geology and migration of a low-profile barrier island system, Metomkin Island, Virginia. (Old Dominion University)

H.J. Woo, H. J., 1992. Distribution of foraminifera and pollen in coastal depositional environments of the southern Delmarva Peninsula, Virginia, USA. (Old Dominion University)

Other universities – PhD dissertation committee member for:

M. Robinson, 2007. Paleoinlet dynamics and the genesis of shelf sand ridges using benthic foraminifera: Old Currituck Inlet, VA NC Outer Banks. (George Mason U.)

A. Kemp, 2009. High resolution studies of relative sea-level changes (North Carolina, USA). (U. Pennsylvania)

C. Grand Pre, 2011. Micropaleontological record of rapid coastal change. (U. Pennsylvania)

Fatin Izzati Minhat, 2016. Application of benthic foraminifera as indicators of former sea level, peninsular Malaysia. (Universiti Malaysia Terengganu).

Rokiah Binti Suriada, 2017. Distribution patterns of modern benthic Foraminifera and late Quaternary geologic history of the inner shelf of the South China Sea, Peninsular Malaysia. (Universiti Malaysia Terengganu).

PROFESSIONAL ACTIVITIES:

- 1977-date Referee of articles submitted to *Cambria*, *Geological Society of America Bulletin*, *Nature*, *Geology*, *Journal of Foraminiferal Research*, *Journal of Paleontology*, *Marine Micropaleontology*, *Micropaleontology*, *Marine Geology*, *Sedimentology*, *Palaios*, *Paleobiology*, *Journal of Micropalaeontology*, *Lethaia*, *Bulletin of Marine Science*, *Deep-Sea Research*, *Arabian Journal for Science and Engineering*, *Atoll Research Bulletin*, *New Zealand Journal of Marine and Freshwater Research*, *Estuarine Coastal Shelf Science*, *Estuaries*, *Journal of the Paleontological Society of Japan*, *Atlantic Geology*, *Southeastern Geology*, *Scripta Geologica*, *Revue de Micropaleontologie*, *Palaeontologia Electronica*, *Environmental Science and Technology*, *Smithsonian Scholarly Press*, *Global and Planetary Change*.
- 1978 Invited speaker, Annual Conference, Mining and Metallurgical Societies of Sierra Leone, Freetown, Sierra Leone, West Africa.
- 1979 Geologic consultant, Diamond Distributors Exploration, Sierra Leone, Africa.
- 1978-79 Post-doctoral Fellow, Department of Paleobiology, Smithsonian Institution.
- 1979-81 Research Fellow, Department of Paleobiology, Smithsonian Institution.
- 1980 Cushman Foundation poster presentation, Annual GSA Meeting, Atlanta.
- 1980 Invited speaker, Geological Society of America Annual Meeting, Atlanta, GA., USA.
- 1982 Invited speaker, Symposium on Computers in Research Smithsonian Institution.
- 1982 Invited Speaker, Third North American Paleontological Convention, Montreal, Canada.
- 1982 Invited Speaker, NSF sponsored workshop on clastic and pyroclastic particles, Tempe.
- 1982 Abstract referee for GSA Annual Meeting, New Orleans.
- 1982 Research Contract, Department of Paleobiology, Smithsonian Institution.
- 1982 Invited speaker, Short-Course on Foraminifera, GSA Annual Meeting, New Orleans.
- 1982 Sigma Xi annual lecture, Oklahoma State University.
- 1982-date Reviewer of National Science Foundation, Research Council of Canada, Sea Grant, Smithsonian Scholarly Studies, Petroleum Research Fund, National Geographic Society, Fulbright, NATO, NERC, Israel Science Foundation, Mississippi-Alabama Sea Grant, NOAA, NC WRRI proposals.
- 1983 Geologic consultant, Cities Service Company.
- 1983 Invited speaker on "Foraminiferal Paleoenvironmental Reconstruction" at ARCO Research Center, Dallas, and CITCO Research Center, Tulsa.
- 1984 Invited speaker on "Benthic Foraminifera as Paleodepth Indicators" at TEXACO Research Center, Houston, TX.
- 1984 Invited speaker at International Penrose Conference on "West African Connections," Giens, France.
- 1984 Leader and organizer, National Geographic Expedition to West Africa to study late Precambrian glacial sediments.
- 1984-86 Organizer of Cushman Foundation Symposium for Fourth North American Paleontological Convention, Boulder, CO.

- 1985 Invited speaker on "Foraminiferal Paleoenvironmental Reconstruction" at Marathon Oil, Research Center, Littleton, CO.
- 1985 Presentation on foraminiferal morphology and paleodepth determination to Texaco Micropaleontologists, New Orleans.
- 1985 Invited speaker on Gulf of Mexico paleodepths, to Texaco geologists. New Orleans.
- 1985 Invited keynote speaker on foraminifera as paleoenvironmental indicators to Chevron geologists, La Habra, CA.
- 1985 Invited speaker on "Evolution of Benthic Foraminifera," GSA Annual Meeting, Orlando, FL.
- 1986 Leader and organizer, National Geographic Expedition to West Africa to collect Early Cambrian faunas.
- 1986 Participating scientist, Centre National de la Recherche Scientifique (CNRS), project "Tectonique et Microtectonique du troncon Senegalo-Guineen de la chaine des Mauritanides."
- 1986 Dive team member. ALVIN/ATLANTIS II cruise on Wilmington Canyon.
- 1987 Invited speaker on "Foraminiferal Paleoenvironmental Reconstruction" at Chevron Oil Research Center, La Habra, CA.
- 1987 Invited speaker on "Foraminifera", Paleontological Society Short Course, GSA Annual Meeting, Phoenix
- 1988 Professorial lecture to Old Dominion University.
- 1988 Invited speaker on "Arctic foraminifera" at Unocal Research Center, Brea, CA.
- 1988-1990 International Geological Correlation Project 260, "Earth's Glacial Record", corresponding member.
- 1989 Organizer and leader of NSF sponsored expedition to West Africa to collect Early Cambrian faunas.
- 1990 International Geological Correlation Project 303, "Late Precambrian-Early Cambrian event stratigraphy", corresponding member.
- 1990 Invited speaker on "Diversity of benthic Foraminifera", AAAS Annual Meeting, New Orleans, LA.
- 1990 Invited speaker on "Faunal changes across the Cambrian-Precambrian boundary" at Texaco, U.S.A., New Orleans.
- 1990 Invited speaker on "Gulf of Mexico foraminifera", AAPG Annual Conference, Dallas
- 1991 Organizer and leader of NSF sponsored expedition to West Africa to collect Early Cambrian faunas.
- 1991 Invited speaker on "Foraminiferal Paleobathymetry" at Unocal Research Center, Brea.
- 1991 Invited speaker on "Foraminiferal Paleobathymetry" at Unocal, Ventura, CA.
- 1994 Invited speaker on "Species pool and the dynamics of marine Palaeocommunities" to the Foraminiferal Section of the British Micropalaeontological Society.
- 1995 PhD thesis examiner, University of Southampton.
- 1996 Speaker at John Mason conference, British Association Festival of Science on "Predictions for a changing World".
- 1995 Contributor to the Paleontological Society, K-12 teachers' workshop on "Learning from the Fossil Record", Geological Society of America, Annual Conference, Denver.
- 1999 Contributor to the Paleontological Society, K-12 teachers' workshop on "Evolution: Investigating the Evidence, Geological Society of America, Annual Conference, Denver.
- 2001 Organizer of Cushman Symposium for annual Geological Society of America Conference, Boston
- 2001 PhD thesis examiner, University of Cape Town
- 2002 PhD thesis examiner, University of Western Australia
- 2002 PhD thesis examiner, Dalhousie University
- 2002 MSc thesis examiner, University of Western Cape, South Africa
- 2003 PhD thesis examiner, University of Cape Town
- 2003 MS thesis examiner, University of Durham
- 2004 to 2007 PhD dissertation committee member, George Mason University
- 2005 to 2009 PhD dissertation committee member, University of Pennsylvania
- 2006 Contributor to Geobiology 2007 symposium program, Smithsonian Institution
- 2008 to 2011 PhD dissertation committee member, University of Pennsylvania
- 2009 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) fieldwork in the Setiu wetland, Malaysia
- 2010 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) fieldwork in the Setiu wetland, Malaysia
- 2011 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) fieldwork in the Setiu wetland, Malaysia
- 2011 Coorganizer of a symposium at SE Geological Society of America annual conference.
- 2012 to 2016 PhD thesis committee member, U Malaysia Terengganu.

- 2012 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) fieldwork in the Setiu wetland, Malaysia
- 2013 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) oceanographic cruise in the South China Sea off Kuala Terengganu, Malaysia
- 2014 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) oceanographic cruise in the South China Sea off Kuala Terengganu, Malaysia
- 2014 Workshop on identification of Foraminifera, Univ. Malaysia Terengganu, Malaysia
- 2014 Hosted (with E. Leorri) a PhD student from University of Kwa Zulu Natal during her Cushman Foundation sponsored visit to the US to learn micropaleontological research techniques.
- 2015 to 2017 MS thesis committee member, U Malaysia Terengganu.
- 2015 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) oceanographic cruise in the South China Sea off Kuala Terengganu, Malaysia
- 2015 Workshop on identification of Foraminifera, Univ. Malaysia Terengganu, Malaysia
- 2016 Leader and organizer of collaborative (East Carolina U and U Malaysia Terengganu) oceanographic cruise in the South China Sea off Kuala Terengganu, Malaysia
- 2023 Coconvener of a scientific session at the FORAMS 2023 international symposium, June 2023, Perugia, Italy.

EXTENSION ACTIVITIES:

- Lecture to Expatriates Association, Freetown Sierra Leone, 5/78.
- Lecture to Paleontological Society of Washington, 2/79.
- Lecture to Smithsonian Institution Zoology Society, 4/79.
- Lecture to research paleontologists at AMOCO, Tulsa, OK, 9/80.
- Lecture to Geology Society, University of South Carolina, 10/80.
- Lecture to Paleontologic Society of Washington, 5/81.
- Lecture to Geology Club, Oklahoma State University, 11/81.
- Lectures (2) to research sedimentologists at Cities Service, Tulsa, OK, 3/82.
- Lecture to Geology Club, Oklahoma State University, 1/82.
- Oklahoma State University 1st and 2nd team soccer, Assistant Coach and player, 1981-1982.
- Lecture to Oklahoma State University (general audience), 10/82.
- Lecture to 5th graders at Kingston Elementary School, Norfolk, on Dinosaurs, 12/83.
- Lecture to 5th graders at Tarralton Elementary School, Norfolk, on Dinosaurs, 4/84.
- Lecture to Geology Department, Virginia Polytechnic Institute, 10/84.
- Lecture to Geology Department, George Washington University, Washington, D.C, 11/84.
- Lecture to Paleobiology Department, Smithsonian Institution, 11/84.
- Lecture to Geology Department, College of William and Mary, 2/85.
- Lecture to Paleontological Society of Washington, 12/86.
- Lecture to Department of Oceanography, Old Dominion University, 2/87.
- Lecture to Norfolk Round Table on diving in the *Alvin*, 2/87.
- Lecture to pre-schoolers at Children's Hospital of the King's Daughters, Norfolk, on Dinosaurs, 4/87.
- Lecture to Département de Géologie, Université de Dakar, Sénégal, 6/87.
- Lecture to Chesapeake 4H on Dinosaurs, 2/88.
- Lecture to Tidewater Community College on diving in the *Alvin*, 11/88.
- Lecture to Great Bridge Junior High, Virginia Beach, on paleontology, 12/88.
- Lecture to 5th graders at Ocean View Elementary School, Norfolk, on Dinosaurs, 3/89.
- Lecture to Département de Géologie, Université de Dakar, Sénégal, 6/89.
- Lecture to pre-schoolers at Ghent Montessori School, Norfolk, on Africa, 2/90.
- Lecture to Geology Department, University of Durham, Durham, UK, 3/90.
- Lecture to pre-schoolers at Ghent Montessori School, Norfolk, on Dinosaurs, 5/90.
- Lecture to Department of Geological Sciences, Louisiana State University, Baton Rouge, LA, 9/90
- Lecture to Department of Biological Sciences, Old Dominion University, 1/91.
- Lecture to pre-schoolers at Ghent Montessori School, Norfolk, on Dinosaurs, 3/91.
- Lecture to pre-schoolers at Ghent Montessori School, Norfolk, on Dinosaurs, 4/91.
- Lecture to Fort Story Summer Reading Program, Virginia Beach, on Dinosaurs, 7/91.
- Lecture to Department of Geological Sciences, Elizabeth City State University, Elizabeth City, NC, 2/92.
- Lecture to Department of Geological Sciences, College of William and Mary, VA, 3/92.
- Lecture to Department of Geological Sciences, University of South Florida, FLA, 3/92.
- Lecture to Department of Geological Sciences, Tidewater Community College, VA, 3/92.
- Lectures (3) to pre-schoolers and 1st to 3rd graders at Ghent Montessori School, Norfolk, on Dinosaurs, 5/92.
- Lecture to 2nd graders at Crossroads Elementary School, Norfolk, on Dinosaurs, 11/92.

Lecture to micropalaeontology group, University College London, 3/93.
 Lecture to Norfolk Round Table on diving in the *Alvin*, 4/93.
 Lecture to 3rd through 5th graders at Ghent Montessori School, Norfolk, on diving in the *Alvin*, 4/93.
 Lecture to Bernard's Heath Infants School, St. Albans, on dinosaurs, 6/94.
 Lecture geologists and oceanographers, University of Southampton, 2/96.
 Lecture to the Department of Geology, University of Wales College of Cardiff, 5/96
 Lectures (3) to the Department of Geology, Texas Christian University, 2/97.
 Lecture to the Department of Geological Sciences, Old Dominion University, 2/97.
 Lecture to Spencer Junior School, St. Albans, on ecology, 12/98.
 Lecture to Bethel Elementary 5th graders on Immigration, 1/00.
 5th grade Science Fair judge. Elmhurst Elementary School, 2/00
 Lectures (2) to Parrott Academy 7th graders on Evolution and Oceanography, 12/00.
 Lectures to Biology Department, ECU on The Cambrian Evolutionary Explosion, 11/00.
 Lecture to Duke Marine Laboratory, Beaufort, on diving in the *Alvin*, 10/00.
 Presentation at Ayden Middle School Career Day, 6/01.
 Lectures (3) to South Lenoir High School on Geology, 9/01.
 Lectures (3) to Parrott Academy High School on Geology, 10/01.
 Lecture to Ahoskie Book Club on Fieldwork, 3/02.
 Lecture to the Department of Geography, University of Durham, on the Outer Banks, 6/03.
 Lecture to Department of Geology, Beloit College, 01/03.
 Lecture to Department of Geology, University of Pennsylvania, 01/05
 Lectures (3) to the UNC Coastal Studies Institute, 2006.
 Presentation to UNC Marine Sciences Task Force, 2/07.
 Presentation at a forum on global climate change, NC Natural Sciences Museum, Raleigh, 3/07
 Presentation on diving in "Alvin" to the Washington Rotary Club, 9/08.
 Presentation at the National Science Teachers Association Conference, Charlotte, 10/08.
 Lectures (2) to "at risk" children on dinosaurs, 7/10.
 Lectures (2) on coastal geology at book clubs, Outer Banks (11/11)
 Lecture on paleoclimate Institute of Oceanography, Univ. Malaysia Terengganu, 2/12.
 Lectures (2) on coastal environments, Minerals and Geoscience Dept Malaysia, 1/13.
 Lecture on oceanography to high school seniors, Terengganu, Malaysia, 6/13.
 Lectures (2) on coastal environments and West African geology, Univ. Illinois Chicago, 10/13.
 Lecture to insurance agents re. coastal change, Greenville, NC, 4/14.
 Presentation on paleontology to Montessori School 1st through 6th graders, Greenville, NC, 11/14
 Presentations (5) to Pitt County High School on "Being a Geologist", Pitt Co., 11/14
 Presentations (2) on fossils to pre-schoolers to 3rd graders at Oakwood School, 1 and 2/15
 Lecture to insurance agents re. coastal change, Greenville, NC, 4/15
 Lecture on paleoclimate reconstruction in the South China Sea, Univ. Malaysia Terengganu, 6/15.
 "A Time for Science" Education Expo presentation on paleontology, 11/15.
 Presentations (3) to Pitt County High Schools on "Being a Geologist", Pitt Co., 11/15 and 12/15.
 Lecture on paleoclimate reconstruction in the South China Sea, Univ. Malaysia Terengganu, 6/16.
 Presentations (2) to Pitt County High Schools on "Being a Geologist", Pitt Co., 11/16.
 Presentation to the public on "Being a Geologist" at "A Time for Science", 10/17.
 Fossil exhibit at "A Time for Science", 9/17 and 10/17.
 Presentations (2) on fossils to kindergarten and 3rd graders at Oakwood School, 3/18.

PEER-REVIEWED JOURNAL PUBLICATIONS (bold indicates students)

1. Culver, S.J., 1976. The Development of the Swansea Bay Area during the past 20,000 years. *Gower*, 27: 58-62.
2. Culver, S.J. and F.T. Banner, 1978. Foraminiferal assemblages as Flandrian paleoenvironmental indicators. *Paleogeog., Paleoclimat., Paleoecol.*, 24: 53-72.
3. Banner, F.T. and S.J. Culver, 1978. Quaternary *Haynesina*, nov. gen. and Paleogene *Protelphidium* Haynes: Their morphology, affinities and distribution. *Journal of Foraminiferal Research*, 8: 177-207.
4. Culver, S.J., H.R. Williams, and P.A. Bull, 1978. Infracambrian glacial sediments from Sierra Leone. *Nature*, 274: 49-51.
5. Culver, S.J., F.T. Banner, 1979. The significance of derived pre-Quaternary Foraminifera in Holocene sediments of the north-central Bristol Channel. *Marine Geology*, 29: 187-207.
6. Bull, P.A. and S.J. Culver, 1979. An application of scanning electron microscopy to the study of ancient sedimentary rocks from the Saionia Scarp, Sierra Leone. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 26: 159-172.

7. Culver, S.J. and P.A. Bull, 1979. Late Pleistocene rock-basin lakes in South Wales. *Geological Journal*, 14(2): 107-116.
8. Culver, S.J. and H.R. Williams, 1979. Late Precambrian and Phanerozoic geology of Sierra Leone. *J. Geol. Soc. Lond.*, 136: 605-618.
9. Culver, S.J. and H.R. Williams, 1979. Discussion on: The evolution of the Pan-African crystalline basement in NE Africa and Arabia. *J. Geol. Soc. Lond.*, 136: 123.
10. Culver, S.J., 1980. Differential two-way sediment transport in the Bristol Channel and Severn Estuary, U.K. *Marine Geology*, 34: M39-M43.
11. Bull, P.A., S.J. Culver and R. Gardner, 1980. The nature of Late Paleozoic glaciation in Gondwana as determined from an analysis of garnets and other heavy minerals: Discussion. *Can. J. Earth Science*, 17(3): 282-284.
12. Culver, S.J., H.R. Williams and P.A. Bull, 1980. Late Precambrian glacial deposits from the Rokelide Fold Belt, Sierra Leone. *Palaeogeog., Palaeoclimatol., Palaeoecol.*, 30: 65-81.
13. Bull, P.A., S.J. Culver and R. Gardner, 1980. Chattermark trails as paleoenvironmental indicators. *Geology*, 8(7): 318-322.
14. Buzas, M.A. and S.J. Culver, 1980. Foraminifera: Distribution of provinces in the western North Atlantic. *Science*, 209: 687-689.
15. Culver, S.J. and H.R. Williams, 1980. Reply to Allen on: Late Pre-Cambrian and Phanerozoic geology of Sierra Leone. *Jl. Geol. Soc. Lond.*, 137: 511-512.
16. Culver, S.J., 1980. A bibliography of Recent North American benthic Foraminifera. *Jl. Foraminiferal Research*, 10(4):286-302.
17. Culver, S.J., and M.A. Buzas, 1981. Recent benthic Foraminiferal Provinces on the Atlantic Continental Margin of North America. *Jl. Foraminiferal Research*, 11: 217-240.
18. Culver, S.J. and M.A. Buzas, 1981. Foraminifera: Distribution of provinces in the Gulf of Mexico. *Nature*, 290: 328-329.
19. Culver, S.J. and M.A. Buzas, 1982. Recent benthic foraminiferal provinces between Newfoundland and Yucatan. *Bulletin Geological Society of America*, 93: 269-277.
20. Buzas, M.A., C.F. Koch, S.J. Culver and N.F. Sohl, 1982. On the distribution of species occurrence. *Paleobiology*, 8: 143-150.
21. Williams, H.R. ad S.J. Culver, 1982. The Rokelides of West Africa: Pan-African aulacogen or back-arc basin. *Precambrian Research*, 18: 261-273.
22. Culver, S.J. and M.A. Buzas, 1982. Reply to Yancey on: Recent benthic foraminiferal provinces between Newfoundland and Yucatan. *Bulletin Geological Society of America*, 93: 1061-1062.
23. Severin, K., S.J. Culver and C. Blanpied, 1982. Burrow and trails produced by *Quinqueloculina impressa* Reuss, a benthic foraminifer, in fine-grained sediments. *Sedimentology*, 29: 897-901.
24. Culver, S.J., P.A. Bull, S. Campbell, R.A. Shakesby, and W.B. Whalley, 1983. Environmental discrimination based on quartz grain surface textures: a statistical investigation. *Sedimentology*, 30: 129-136.
25. Culver, S.J. and M.A. Buzas, 1983. Recent benthic foraminiferal provinces in the Gulf of Mexico. *Journal of Foraminiferal Research*, 13: 21-31.
26. Culver, S.J. and M.A. Buzas, 1983. Benthic foraminifera at the Shelfbreak: North American Atlantic and Gulf of Mexico continental margins. *SEPM Special Publication 33*, D.J. Stanley and G.T. Moore (eds.). *The Shelfbreak: Critical interface on Continental Margins*, 359-371.
27. Culver, S.J., 1984. The Pan-African Rokelides of Sierra Leone - problems and possible correlations with Liberia and Guinea. *Travaux des Laboratoires des Sciences de la Terre, St. Jerome, Marseille*, (B) 24, 50.
28. Buzas, M.A. and S.J. Culver, 1984. Species durations: benthic foraminifera on the Atlantic continental margin of North America. *Science*, 225: 829-830.
29. Buzas, M.A., S.J. Culver and L.B. Isham, 1985. A comparison of fourteen elphidiid (Foraminifera) taxa. *Jl. of Paleontology*, 59: 1075-1090.
30. Stanley, D.J., S.J. Culver and W.L. Stubblefield, 1986. Petrologic and foraminiferal evidence for active downslope transport in Wilmington Canyon. *Marine Geology*, 69: 207-218.
31. Buzas, M.A. and S.J. Culver, 1986. Geographic origin of benthic foraminiferal species. *Science*, 232: 775-776.
32. **Magee, A.W.** and S.J. Culver, 1986. Recognition of Late Precambrian glacial sediments in Liberia. *Geology*, 14: 920-922.
33. Culver, S.J. and **A.W. Magee**, 1987. Late Precambrian glacial deposits from Liberia, Sierra Leone, and Senegal, West Africa. *National Geographic Research*, 3: 69-81.
34. Culver, S.J., M.A. Buzas and L.S. Collins, 1987. On the value of taxonomic standardization in evolutionary studies. *Paleobiology*, 13: 169-176.
35. Williams, H.R. and S.J. Culver, 1988. Structural terranes and their relationship in Sierra Leone. *Jl. of African Earth Sciences*, 7: 473-477.

36. Venkatakrishnan, R. and S.J. Culver, 1988. Plate boundaries in West Africa: Implications for Pangean continental fit. *Geology*, 16: 322-325.
37. Culver, S.J., 1988. New foraminiferal depth zonation of the northwestern Gulf of Mexico. *Palaios*, 3:69-85.
38. Culver, S.J., J. Pojeta and J. Repetski, 1988. First record of Early Cambrian shelly microfossils from West Africa. *Geology*, 16: 596-599.
39. Culver, S.J., J. Pojeta, J. Repetski and B. Robineau, 1988. Signification stratigraphique de microfossiles du Cambrien inferieur dans le bassin de Taoudeni, a la frontiere Guinee-Senegal. *Compte Rendus Acad. Sci. Paris*, 307: 651-656.
40. Culver, S.J., C. Brunner, and C. Nittrouer, 1988. Observations of the Western Boundary undercurrent and sediment transport in South Wilmington Canyon from DSRV *Alvin*. *Geomarine Letters*, 8: 159-165.
41. Buzas, M.A. and S.J. Culver, 1989. Biogeographic and evolutionary patterns of continental margin benthic foraminifera. *Paleobiology*, 15: 11-19.
42. Venkatakrishnan, R. and S.J. Culver, 1989. Tectonic fabric of Sierra Leone, West Africa: implications for Mesozoic continental breakup. *Jl. Geological Society, London*, 146: 991-1002.
43. Culver, S.J., 1989. Foraminifera. In: Green, H.S. Some recent archaeological and faunal discoveries from the Severn Estuary Levels. *Bulletin of the Board of Celtic Studies*, 36: 187-199.
44. Culver, S.J., 1990. Benthic foraminifera of Puerto Rican mangrove-lagoon systems: potential for paleoenvironmental interpretations. *Palaios*, 5: 34-51.
45. Buzas, M.A. and S.J. Culver, 1990. Recent benthic foraminiferal provinces on the Pacific continental margin of North and Central America. *Jl. Foraminiferal Research*, 20: 326-335.
46. Buzas, M.A. and S.J. Culver, 1991. Species diversity and dispersal of foraminifera. *Bioscience*, 41: 483-489.
47. Culver, S.J., 1991. Early Cambrian Foraminifera from West Africa. *Science*, 254: 689-691.
48. Rine, J.M., R.W. Tillman, S.J. Culver and D.J.P. Swift, 1991. Generation of Late Holocene Sand ridges on the middle continental shelf of New Jersey USA - evidence for formation in a mid-shelf setting based on comparisons with a nearshore ridge. In: Swift, D.J.P., Oertel, G. and Tillman, R.W.(eds.), Shelf Sand and Sandstone Bodies: Origin, Facies and Distribution. *International Association of Sedimentologists, Special Publication*, 14: 395-423.
49. Culver, S.J. and D. Hunt, 1991. Lithostratigraphy of the Precambrian-Cambrian boundary sequence in the southwestern Taoudeni Basin, West Africa. *Jl. African Earth Sci.*, 13: 407-413.
50. Brunner, C. and S.J. Culver, 1992. Quaternary foraminifera from the walls of Wilmington, South Wilmington and North Heyes canyons, U.S. east coast: implications for continental slope evolution. *Palaios*, 7: 34-66.
51. Buzas, M.A., Culver, S.J., and Jorissen, F.J., 1993. A statistical evaluation of the microhabitats of living (stained) infaunal benthic foraminifera. *Marine Micropaleontology*, 20: 311-320.
52. Aldhouse-Green, H.S., Whittle, A.W.R., Allen J.R.L., Caseldine, A., **Lundquist, J.**, Culver, S.J., Day, M.H., and Upton, D., 1993. Prehistoric human footprints from the Severn Estuary Levels at Uskmouth and Magor Pill, Gwent, Wales. *Archaeologia Cambrensis*, 141: 14-55.
53. Jorissen, F., Culver, S.J., Buzas, M.A. and Kuehl, S.A. 1994. Vertical distribution of living benthic foraminifera in submarine canyons off New Jersey. *Jl Foraminiferal Research*, 24: 28-36.
54. Buzas, M.A. and Culver, S.J., 1994. Species pool and dynamics of marine paleocommunities. *Science*, 264: 1439-1441.
55. Culver, S.J., 1994. Early Cambrian Foraminifera from the southwestern Taoudeni Basin, West Africa. *Jl Foraminiferal Research*, 24: 191-202
56. Snedden, J.W., Kreisa, R.D., Tillman, R.D., Schweller, W.J., Culver, S.J. and Winn, R.D. 1994. Stratigraphy and genesis of a modern shoreface-attached sand ridge, Peahala Ridge, New Jersey. *Jl. Sed. Research*, B64: 560-581.
57. Culver, S.J. and Buzas, M.A. 1995. The effects of anthropogenic habitat disturbance, habitat destruction and global warming on shallow marine benthic Foraminifera. *Jl. Foraminiferal Research*, 25: 204-211.
58. Culver, S.J., Repetski, J., Pojeta, J. Jr., and Hunt, D. 1996. Early and Middle (?) Cambrian metazoan and protistan fossils from West Africa. *Jl. Palaeontology*, 70: 1-6.
59. Culver, S.J. and Snedden, J.W., 1996. Foraminifera and their implications for the formation of New Jersey shelf sand ridges. *Palaios*, 11: 161-175.
60. Culver, S.J. and **Goshorn, J.** 1996. Foraminifera and Palaeoenvironments of the Eastover Formation (upper Miocene, Virginia, U.S.A.). *Jl. Foraminiferal Research*, 24: 300-323.
61. Culver, S.J., **Woo, H.F.**, Oertel, G.F. and Buzas, M.A. 1996. Foraminifera of coastal depositional environments, Virginia, U.S.A.: distribution and taphonomy. *Palaios*, 11: 459-486.
62. MacLeod, N., Rawson, P.F., Forey, P.L., Banner, F.T., BouDagher-Fadel, M.K., Bown, P.R. Burnett, J.A. Chambers, P., Culver, S.J., Evans, S.E., Jeffery, C., Kaminiski, M.A., Lord, A.R., Milner, A.C., Milner, A.R., Morris, N., Owen, E., Smith, A.G., Taylor, P.D., Urquhart, E., and Young, J.R. 1997. The Cretaceous-Tertiary biotic transition. *Jl. Geological Society*, 154: 265-292.

63. **Lundquist, J.J.**, Culver, S.J. and Stanley, D.J. 1997. Foraminiferal and petrologic indicators of sedimentary processes in Wilmington and South Hyes submarine canyons, U.S., Atlantic slope. *Jl. Foraminiferal Research*, 27: 209-231.
64. **Woo, H.J.**, Culver, S.J., and Oertel, G.F., 1997. Benthic foraminiferal communities of a barrier lagoon system, Virginia, U.S.A. *Jl. Coastal Research*, 13: 1192-1200.
65. Buzas, M.A. and Culver, S.J., 1998. Assembly, disassembly and balance in marine paleocommunities. *Palaios*, 13: 263-275.
66. **Orndorff, A.** and Culver, S.J. 1998. Foraminifera of the early Miocene Anahuac Formation from a deep well in Vermillion Parish, Louisiana, U.S.A. *Jl. Foraminiferal Research*, 28: 286-305.
67. Swallow, J. and Culver, S.J. 1999. Living (rose Bengal stained) benthic foraminifera from New Jersey continental margin canyons. *Jl. Foraminiferal Research*, 29: 104-116.
68. Snedden, J., Kreisa, R., Tillman, R., Culver, S.J., and Schweller, W., 1999. An expanded model for modern shelf sand ridge genesis and evolution on the New Jersey Atlantic shelf. In: K.M. Bergman and J.W. Snedden (eds.) *Isolated Shallow Marine Sand Bodies: Sequence Stratigraphic Analysis and Sedimentologic Interpretation*. SEPM Special Publication 64: 147-164.
69. Buzas, M.A. and Culver, S.J., 1999. Understanding species diversity through the log series distribution of occurrences. *Diversity and Distribution*, 8: 187-195.
70. Culver, S.J. and Buzas, M.A., 2000. Global latitudinal species diversity gradient in deep-sea benthic foraminifera. *Deep-Sea Research I*, 47: 259-275.
71. Buzas, M.A. and Culver, S.J., 2001. On the relationship between species distribution-abundance-occurrence and species duration. *Historical Biology*, 15: 151-159.
72. Buzas, M.A., Collins, L.S. and Culver, S.J. 2002. Latitudinal difference in biodiversity caused by higher tropical rate of increase. *Proceedings of the National Academy of Sciences*, 99: 7841-7843.
73. Culver, S.J. 2003. Benthic foraminifera across the Cretaceous-Tertiary boundary: a review. *Marine Micropaleontology* 47: 177-226.
74. Buzas, M.A. and Culver, S.J. 2004. Time components of communities. *Jl. Foraminiferal Research*, 34: 1-8.
75. **Johnson, K.A.**, Culver, S.J., and Kamola, D.L. 2005. Marginal marine foraminifera of the Blackhawk Formation (Late Cretaceous, Utah). *Jl. Foraminiferal Research*, 35: 50-64.
76. Culver, S.J. and Horton, B.P. 2005. Infaunal marsh foraminifera from the Outer Banks, North Carolina, U.S.A. *Journal of Foraminiferal Research*, 35: 148-170.
77. Mallinson, D., Riggs, S., Thieler, E.R., Culver, S.J., Foster, D.S., Corbett, D.R., Farrell, K., and Wehmiller, J.F. 2005. Late Neogene and Quaternary evolution of the northern Albemarle embayment (mid-Atlantic continental margin, U.S.A.) *Marine Geology* 217: 97-117.
78. Culver, S.J., Ames, D.V., Corbett, D.R., Mallinson, D.J., Riggs, S.R., **Smith C.G.** and **Vance, D.J.** 2006. Foraminiferal and sedimentary record of late Holocene barrier island evolution, Pea Island, North Carolina: the role of storm overwash, inlet processes, and anthropogenic modification. *Jl. Coastal Research*, 22: 836-846.
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- Rouf, A.A., Culver, S.J., Corbett, D.R., Mallinson, D.J., Shazili, N.A.M., and Hosain, M.L. The floristic composition and structure of diatoms from the Setiu coastal wetland, peninsular Malaysia. 21st International Diatom Symposium, St. Cloud, Minnesota, August-September, 2010.
- Riggs, S.R., Mallinson, D.J., Culver, S.J. and Ames, D.V. Evolution of the North Carolina barrier island system in response to rising sea levels: a vision for the future. GSA Annual Meeting, Denver, October 2010.
- Crane, C.D.**, Rigsby, C.A., Culver, S.J., and Russell, D.A. Vertebrate faunal analysis of the Late Cretaceous Black Creek Group, Bladen County, North Carolina. Society of Vertebrate Paleontology Annual Meeting, Pittsburgh, October, 2010.
- Crane, C.D.**, Culver, S.J., and Rigsby, C.A. A Late Cretaceous (Campanian) microvertebrate site in southeastern North Carolina. SEGSA, Wilmington, March 2011.
- Culver, S.J., Mallinson, D.J., Riggs, S.R., Corbett, D.R., Ames, D.V., Farrell, K.M., **Grand Pre, C.A.**, Horton, B.P., and Kemp, A.C. Holocene coastal change in northeastern North Carolina. SEGSA, Wilmington, March 2011.
- Riggs, S.R., Ames, D.V., Culver, S.J., Mallinson, D.J. Battle for North Carolina's coasts: evolutionary past, present crisis, and vision for the future. SEGSA, Wilmington, March 2011.
- Rabien, K.A.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. The foraminiferal signature of hurricanes: Southwest Pass to the Mississippi canyon, Gulf of Mexico, USA.. SEGSA, Wilmington, March 2011.
- Best, K.M.**, Mallinson, D.J., Culver, S.J. Quaternary geologic evolution of the Croatan Beach Ridge Complex, Bogue Sound and Bogue Banks, Carteret County, NC. SEGSA, Wilmington, March 2011.
- Grand Pre, C.A.**, Horton, B.P., Culver, S.J., Jerolmack, D.J., Buzas, M.A. Colonization of a hurricane overwash fan by foraminifera, Ocracoke Island, North Carolina. SEGSA, Wilmington, March 2011.
- Mallinson, D.J., Culver, S.J., Riggs, S.R., Ames, D.V., Leorri, E., Mulligan, R. Evidence for rapid coastal changes during the Holocene: the role of climate, sea level and thresholds. SEGSA, Wilmington, March 2011.
- Ellis, A.M.**, Culver, S.J., Corbett, D.R., Mallinson, D.J., Leorri, E., Shazili, N.A.M., Rouf, A.A. Determining the impacts of aquaculture on the Setiu estuary and lagoon of Terengganu, Malaysia using foraminifera, sediment grain-size, and stable carbon and nitrogen ratios. GSA Annual Meeting, Minneapolis, October, 2011.
- Tichenor, H.R.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. The foraminiferal signatures of hurricane events from the Mississippi River delta, USA. GSA Annual Meeting, Minneapolis, October, 2011.
- Rabien, K.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. The foraminiferal signature of hurricanes Rita, Katrina, and Ivan in cores from Southwest Pass to the Mississippi Canyon, Gulf of Mexico, USA. GSA Annual Meeting, Minneapolis, October, 2011.
- Moran, K.**, Mallinson, D.J., Culver, S.J., Mulligan, R., Leorri, E. Late Holocene geologic and morphodynamic response to sea-level rise in a back barrier lagoon: preliminary findings. GSA Annual Meeting, Minneapolis, October, 2011.
- Ames, D.V., Riggs, S.R., Mallinson, D.J., and Culver, S.J. The "Perfect Conflict": infrastructure versus natural dynamic processes in national coastal parks and refuges: North Carolina Outer Banks. GSA Annual Meeting, Minneapolis, October, 2011.
- Mallinson, D.J., Culver, S.J., Mulligan, R., Leorri, E., Mitra, S., Riggs, S.R., and **Moran, K.** Tidal regime and morphodynamic changes in estuarine systems as a function of sea level. AGU San Francisco, December, 2011.
- Ames, D.V., Riggs, S.R., Mallinson, D.J., and Culver, S.J. Development of back-barrier dune fields and beach/dune ridge systems on complex barrier islands, North Carolina Outer Banks. SEGSA, Asheville, March 2012.
- Riggs, S.R., Mallinson, D.J., Culver, S.J., Ames, D.V. Geomorphic coastal system responses to sea-level rise since European colonization: northeastern North Carolina. SEGSA, Asheville, March 2012.
- Tichenor, H.R.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. Can tropical cyclone events from the Mississippi River delta be detected by foraminiferal signatures? SEGSA, Asheville, March 2012.
- Rabien, K.A.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. The foraminiferal signature of hurricanes Rita, Katrina, and Ivan and the 2011 Mississippi River flooding event in cores from Southwest Pass to the Mississippi Canyon, Gulf of Mexico, USA. SEGSA, Asheville, March 2012.
- Rouf, A.A., Culver, S.J., Shazili, N.A.M., Mallinson, D.J., Corbett, D.R. An overview of tropical diatom diversity and its biogeographic significance, Setiu wetland, peninsular Malaysian coast of the South

- China Sea. Marine Algae 2012, Dalian, China.
- Riggs, S.R., Mallinson, D.J., Culver, S.J., Ames, D.V., Corbett, D.R., Kemp, A.C., and Horton, B.P. A 2100-year record of coastal system changes in response to shifts in rates of relative sea-level rise. GSA Annual Meeting, Charlotte, November, 2012.
- Ames, D.V., Riggs, S.R., Culver, S.J., and Mallinson, D.J. Sea-level rise and public policy in coastal North Carolina. GSA Annual Meeting, Charlotte, November, 2012.
- Minnehan, J., Mitra, S., Scalise, K., Mallinson, D.J., Leorri, E., Culver, S.J. Late Holocene sedimentary record of black carbon deposition in coastal North Carolina. GSA Annual Meeting, Charlotte, November, 2012.
- Ellis, A.M.**, Culver, S.J., Corbett, D.R., Mallinson, D.J., Buzas, M.A. Shazili, N.A.M., Environmental effects of floating fish cages in the Setiu estuary/lagoon of Terengganu, Malaysia. GSA Annual Meeting, Charlotte, November, 2012.
- Thornberg, H.M.**, Culver, S.J., Corbett, D.R., Mallinson, D.J., Buzas, M.A., Shazili, N.A.M. Foraminiferal and geochemical evidence of environmental change in response to aquaculture in the Setiu estuarine-lagoonal system, Terengganu, Malaysia. GSA Annual Meeting, Charlotte, November, 2012.
- Tichenor, H.R.**, Culver, S.J., Corbett, D.R., Buzas, M.A., Walsh, J.P. Foraminiferal evidence for ca. 200 years of climate change on the Mississippi Delta shelf. GSA Annual Meeting, Charlotte, November, 2012.
- Lauback, C., Culver, S.J., Leorri, E., Mallinson, D.J., Mitra, S., Minnehan, J. Isotopic evidence for episodic marine water incursions into Pamlico Sound, NC, during the Holocene. GSA Annual Meeting, Charlotte, November, 2012.
- Moran, K.**, Mallinson, D.J., Culver, S.J., Mulligan, R., Leorri, E. Late Holocene evolution of Currituck Sound, North Carolina: environmental change driven by sea-level rise, storms and barrier island morphology. GSA Annual Meeting, Charlotte, November, 2012.
- Mallinson, D.J., Culver, S.J., Leorri, E., Mitra, S., Mulligan, R., Riggs, S.R., Clunies, M., Lauback, C., Minnehan, J., Moran, K. Large-scale coastal behavior of a barrier-fronted coastline in response to Holocene sea-level rise and storm impacts. GSA Annual Meeting, Charlotte, November, 2012.
- Mallinson, D.J., Riggs, S.R., Culver, S.J., Farrell, K.M., **Parham, P.R.**, Quaternary evolution of northeastern North Carolina's coastal system and adjacent upland. GSA Annual Meeting, Charlotte, November, 2012.
- Engelhart, S., Kemp, A.C., Nelson, A.R., Briggs, R.W., Haeussler, P.J., Culver, S.J., Angster, S.J., Bradley, L., Application of salt-marsh and tidal-flat foraminifera to identify late Holocene land-level changes caused by megathrust earthquakes at Sitkinak Island, Alaska. GSA Annual Meeting, Charlotte, November, 2012.
- Snedden, J.W., Culver, S.J., Tillman, R. Genesis and evolution of a mid-shelf, storm-built sand ridge, New Jersey shelf, USA. AGU, San Francisco, December, 2012.
- Riggs, S.R., Ames, D.V., Mallinson, D.J., Culver, S.J. The "perfect conflict": human modification versus natural dynamics of coastal systems. GSA-AGU Penrose Conference, Galveston, April 2013.
- Minnehan, J., Mitra, S., Mallinson, D., Leorri, E., Culver, S.J. Using sediment organic geochemistry to interpret North Carolina's barrier-island and estuarine evolution through the late Holocene. AERS conference, Williamsburg, VA, April 2013.
- Buzas, M.A., Hayek, L., Culver, S.J., Hayward, B.W., Osterman, L.E. Biodiversity: stasis, the log series and gradients. GSA Annual Meeting, Denver, October, 2013.
- Woodson, A.L.**, Culver, S.J., Mallinson, D.J., Vijayan, V.R., Leorri, E., Thunell, R.C., Shazili, N.A.M. A record of Holocene paleoclimate from the Sunda Shelf, South China Sea. GSA Annual Meeting, Denver, October, 2013.
- Leorri, E., Mallinson, D.J., Culver, S.J., Mitra, S., Mulligan, R., Riggs, S.R., Lauback, C., Minnehan, J.J., Zaremba, N., Moran, K.L. Coastal hydrodynamics and natural geological evolution (CHANGE) part 1: geological indicators of rapid climate change in estuarine systems during the Holocene. GSA Annual Meeting, Denver, October, 2013.
- Mallinson, D.J., Culver, S.J., Leorri, E., Mitra, S., Mulligan, R., Riggs, S., Zaremba, N., Lauback, C., Minnehan, J.J., **Moran, K.L.** Coastal hydrodynamics and natural geological evolution (CHANGE) part 2: processes and drivers of large-scale coastal reorganization. GSA Annual Meeting, Denver, October, 2013.
- Riggs, S.R., Culver, S.J., Ames, D.V., Mallinson, D.J. Maintaining sustainable coastal systems with rapidly rising sea levels: North Carolina's Land of Water (NC LOW) –a case study. GSA Annual Meeting, Denver, October, 2013.
- Zaremba, N., Mallinson, D., Leorri, E., Culver, S.J., Mitra, S., Mulligan, R., Lauback, C., Minnehan, J.J. The stratigraphic expression of rapid paleoenvironmental change in an estuarine system: Pamlico Sound, NC. GSA Annual Meeting, Denver, October, 2013.
- Lubitz, R.**, Kennedy, L., Culver, S., Kam-Biu Liu. A foraminiferal record of environmental change at Laguna Limon, Dominican Republic. American Association of Geographers, Tampa, April 2014.
- Culver, S.J., Mallinson, D.J., Leorri, E., Corbett, D.R., Parham, P.R., Shazili, N.A.M., and Yaacob, R. Holocene coastal response and relative sea-level changes in northeast peninsular Malaysia. National Geoscience

- Conference, Malaysia, Kuala Terengganu, June, 2014.
- Woodson, A.L.**, Culver, S.J., Leorri, E., Mallinson, D.J., Vijayan, V.R., Thunell, R.C., Parham, P.R., Shazili, N.A.M. Geochemical evidence of Holocene East Asian Monsoon variability from, Sunda Shelf, South China Sea sediments. GSA Annual Meeting, Vancouver, October, 2014.
- Hindes, H.E.**, Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M. Late Holocene paleoclimate reconstruction of the Sunda Shelf (South China Sea) off Kuala Terengganu, peninsular Malaysia based on magnetic susceptibility of bulk sediment. GSA Annual Meeting, Vancouver, October, 2014.
- Reed, D.M.**, Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M. Reconstruction of mid- to late-Holocene paleoclimate, Sunda Shelf, off NE peninsular Malaysia based on magnetic susceptibility of bulk sediment. GSA Annual Meeting, Vancouver, October, 2014.
- Kegel, J.**, Kemp, A.C., Culver, S.J., Leorri, E., Mallinson, D.J., Barber, D.C., Horton, B.P., Morris, J.T., Woodson, A.L. Extension of the late Holocene sea-level record in North Carolina. GSA Annual Meeting, Vancouver, October, 2014.
- Smith, C.F.**, Mallinson, D.J., Leorri, E., Culver, S.J., DeWitt, R. Flood tide delta foraminifera, Ocracoke Inlet, North Carolina, USA. GSA Annual Meeting, Vancouver, October, 2014.
- Mallinson, D.J., Culver, S.J., Leorri, E., Mitra, S., Mulligan, R., Riggs, S.R., Zaremba, N., Minnehan, J.J., Clunies, G., Lauback, C. New perspectives on the Holocene evolution of the North Carolina Outer Banks barrier island and estuarine/lagoon system. GSA Annual Meeting, Vancouver, October, 2014.
- Morris, J.T., Kemp, A., Barber, D.C., Culver, S.J., **Kegel, J.**, Horton, B. Marsh equilibrium theory: a paleo perspective. AGU Fall Meeting, San Francisco, December 2014.
- Kennedy, L.M., **Lubitz, R.**, Culver, S.J., McVay, J.L., Liu, K-B., LeBlanc, A.R. A 4700-year environmental history of Laguna Limon on the northeastern coast of Dominican Republic. AAG, Chicago, June 2015.
- Kemp, A.C., **Kegel, J.**, Culver, S.J., Horton, B.P., Mallinson, D., Leorri, E., Riggs, S.R. Sea-level change in North Carolina, USA during the last 1500 years. XIX INQUA, Nagoya, Japan, July 2015.
- Donovan, B.G., Culver, S.J., Leorri, E., Mallinson, D.J., Vijayan, V.R., Shazili, N.A.M., Parham, P.R. Holocene sedimentary record from the northeastern Malacca Strait: insights from bulk sediment magnetic susceptibility analysis. GSA Annual Meeting, Baltimore, October 2015.
- Woodson, A.L.**, Leorri, E., Culver, S.J., Mallinson, D.J., Vijayan, V.R., Thunell, R.C., Parham, P.R., Shazili, N.A.M. Mg/Ca inferred paleotemperature during the mid- to late Holocene from the Sunda Shelf, South China Sea. GSA Annual Meeting, Baltimore, October 2015.
- Hindes, H.E.**, Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M. Holocene sedimentary record from the Sunda Shelf off peninsular Malaysia: insights from elemental, isotopic and bulk sediment magnetic susceptibility analyses. GSA Annual Meeting, Baltimore, October 2015.
- Martin, S.Q.**, Culver, S.J., Leorri, E., Mallinson, D.J., Shazili, N.A.M., Buzas, M.A. Distribution and taxonomy of modern benthic foraminifera of the western Sunda Shelf (South China Sea) off peninsular Malaysia. GSA Annual Meeting, Baltimore, October 2015.
- Harrison, E.I.**, Culver, S.J., Leorri, E., Mallinson, D.J., Vijayan, V.R., Shazili, N.A.M., Parham, P.R. Bulk sediment magnetic susceptibility of Holocene sediment in the Malacca Strait, off northwestern peninsular Malaysia. GSA Annual Meeting, Baltimore, October 2015.
- Whitley, C.J.**, Leorri, E., Culver, S.J., Mallinson, D.J., **Woodson, A.L.**, **Hindes, H.E.**, **Reed, D.M.**, Vijayan, V.R., Shazili, N.A.M., Parham, P.R. Regional correlation of Holocene sedimentary record, Sunda Shelf, South China Sea. GSA Annual Meeting, Baltimore, October 2015.
- Kegel, J.**, Kemp, A.C., Leorri, E., Culver, S.J., Horton, B.P. High resolution sea-level reconstruction at Sand Hill Point, North Carolina: a comparison of two approaches in a microtidal setting. GSA Annual Meeting, Baltimore, October 2015.
- Mallinson, D.J., Culver, S.J., Leorri, E., Mitra, S., Mulligan, R., Riggs, S.R. Barrier island and estuary co-evolution in response to Holocene climate and sea-level change. GSA Annual Meeting, Baltimore, October 2015.
- Howie, L.C.**, Culver, S.J., Mallinson, D.J., Farrell, K.M. Lithological and foraminiferal characteristics of shoreface and shallow shelf facies off Bogue Banks, NC. SEGSA Meeting, Columbia, SC, March 2016.
- Twarog, M.**, Culver, S.J., Mallinson, D.J., Farrell, K.M. Foraminiferal and lithological characteristics of coastal environments at Bogue Inlet, North Carolina. SEGSA Meeting, Columbia, SC, March 2016.
- Querry, B.K.**, Mallinson, D.J., Culver, S.J. Defining the origin of an anomalous sand ridge field in Pamlico Sound, NC, USA. SEGSA Meeting, Columbia, SC, March 2016.
- Donovan, B.**, Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M., Horsman, E. A multiproxy paleoenvironmental reconstruction of marine sediments from two interglacials: western Sunda Shelf, southern South China Sea. GSA Annual Meeting, Denver, September, 2016.
- Harrison, E.**, Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M., Horsman, E. Holocene paleoenvironmental reconstruction of the Sunda Shelf, off northeastern peninsular Malaysia. GSA Annual Meeting, Denver, September, 2016.
- Shmorhun, N.**, Culver, S.J., Farrell, K.M., Mallinson, D.J. Distinguishing coastal siliciclastic subenvironments

- using modern foraminiferal assemblages: Bear Island and Bogue Banks, North Carolina. GSA Annual Meeting, Denver, September, 2016.
- Querry, B.K.**, Mallinson, D.J., Culver, S.J., Leorri, E., Mulligan, R. Defining the origin and geology of an estuarine sand ridge field, Pamlico Sound, NC, USA. GSA Annual Meeting, Denver, September, 2016.
- Cressman, A.W., Shmorhun, N.**, Culver, S.J., Mallinson, D.J., Farrell, K.M., and Riggs, S.R., Using foraminiferal assemblages to identify Holocene marine subenvironments of Bogue Inlet, North Carolina. SEGSA Meeting, Richmond, VA, March 2017.
- Grove, A. L., Shmorhun, N.**, Culver, S.J., Mallinson, D.J., Farrell, K.M., and Riggs, S.R., Foraminiferal assemblages characteristics in Holocene shoreface and shelf facies of Bogue Banks, NC. SEGSA Meeting, Richmond, VA, March 2017.
- Querry, B.K.**, Mallinson, D.J., Culver, S.J., and Leorri, E. Geology and origin of sand ridges in a back-barrier estuary, Pamlico Sound, NC. SEGSA Meeting, Richmond, VA, March 2017.
- Nikitina, D., Kemp, A.C., Horton, B.P., Vane, C.H., Potapova, M., Weber-Bruya, E., Culver, S.J., Repkina, T., Hill, D.F. The distribution and utility of sea-level indicators in Eurasian sub-Arctic salt marshes (White Sea, Russia). European Geosciences Union General Assembly, Vienna, Austria, April 2017.
- Mallinson, D.J., Culver, S.J., Leorri, E., Mulligan, R. What comes next? The final push to the future late Holocene sea-level highstand. GSA Annual Meeting, Seattle, October, 2017.
- Twarog, M.**, Culver, S.J., Leorri, E., Mallinson, D.J., Horsman, E., Parham, P.R., Shazili, N.A.M., Paleoenvironmental reconstruction of late Quaternary sediments from the central Sunda Shelf off peninsular Malaysia. GSA Annual Meeting, Seattle, October, 2017.
- Shmorhun, N.M.E.**, Culver, S.J., Farrell, K.M., Mallinson, D.J., Riggs, S.R., Modern and fossil foraminiferal assemblages of onshore and offshore subenvironments from Bear Island and Bogue Banks, North Carolina, USA. GSA Annual Meeting, Seattle, October, 2017.
- Sutton, S.R., Shmorhun, N.**, Culver, S.J., Mallinson, D.J., Farrell, K.M. Identifying coastal subenvironments of Bogue Banks, North Carolina using foraminiferal assemblages and grain size analysis. SEGSA Meeting, Knoxville, TN, April 2018.
- Lynn, A., Shmorhun, N.**, Culver, S.J., Mallinson, D.J., Farrell, K.M. Foraminiferal assemblages of the shoreface and inner shelf off Bogue Banks, North Carolina. SEGSA Meeting, Knoxville, TN, April 2018.
- Sutton, S.R.**, Culver, S.J., Mallinson, D.J., Robinson, M.M., Dowsett, H.J., Buzas, M.A. Foraminiferal and sedimentological analysis of mid-Miocene Shattuck Zones 10 through 17 from the Calvert Cliffs, Maryland. SEGSA Meeting, Charleston, SC, March 2019.
- Allen, C.W.**, Mallinson, D.J., Culver, S.J. Using foraminiferal assemblages, sedimentology and geophysical data to assess the impacts of Hurricane Florence on inner shelf and coastal environments: Bogue Banks and Bear Island, North Carolina. SEGSA Meeting, Charleston, SC, March 2019.
- Cressman, A.W.**, Mallinson, D.J., Culver, S.J., DeWitt, R., Leorri, E. Defining the response of a low gradient coastal system to rapid sea-level change during the late Pleistocene. SEGSA Meeting, Charleston, SC, March 2019.
- Mallinson, D.J., Culver, S.J., Allen, C.W., Mulligan, R. Storm impacts on coastal and inner shelf stratigraphy, paleoenvironmental reconstruction, and sand resources: northern Onslow Bay, North Carolina, USA. SEGSA Meeting, Charleston, SC, March 2019.
- Spivey, W.E.**, Culver, S.J., Mallinson, D.J., Buzas, M.A., Dowsett, H.J., Robinson, M.M. Benthic foraminiferal community changes across the Pliocene Yorktown Formation, southeastern Virginia. SEGSA Meeting, Charleston, SC, March 2019.
- Sutton, S.R.**, Culver, S.J., Mallinson, D.J., Robinson, M.M., Dowsett, H.J., Buzas, M.A., 2019. Quantifying the impacts of the mid-Miocene climate optimum and the mid-Miocene climate transition on the benthic foraminiferal communities of the Chesapeake Group, Calvert Cliffs, MD. GSA Annual Meeting, Phoenix, AZ, September, 2019.
- Mallinson, D.J., Culver, S.J., DeWitt, R., **Cressman, A.W., Gudmundson, E., Snyder, K.** Understanding the coastal response to late Pleistocene sea-level change in North Carolina, USA: an analog for future coastal evolution. NESEGSA Meeting, Reston, VA, March 2020. (Cancelled due to COVID-19.)
- Brown, C.W.**, Culver, S.J., Mallinson, D.J., **Allen, C.W., Shmorhun, N.M.E.** The effects of hurricanes on the sedimentologic and foraminiferal characteristics of barrier island subenvironments: Bear Island, North Carolina. NESEGSA Meeting, Reston, VA, March 2020. (Cancelled due to COVID-19.)
- Mallinson, D.J., Culver, S.J., DeWitt, R., Leorri, E., **Gudmundson, E., Snyder, K., Cressman, A.W.** Understanding the coastal response to late Pleistocene relative sea-level changes in North Carolina, USA: an analog for future coastal evolution. GSA Annual Meeting, October 2020. (Cancelled due to COVID-19.)
- Mallinson, D.J., Culver, S.J., DeWitt, R., Leorri, E., **Gudmundson, E., Cressman, A.W., Snyder, K.** The stratigraphic record of late Quaternary relative sea-level changes in North Carolina, USA: an analog for future coastal change. GSA Annual Meeting, Portland, Oregon, October 2021.
- Wehmiller, J.F., Mallinson, D.J., Farrell, K.M., Culver, S.J. The status of calibration of Atlantic coastal plain (ACP) aminostratigraphy: implications of new results from northeastern North Carolina (NC), USA.

- NESEGSA Meeting, Reston, VA, March 2023.
- Dixon, M.**, Culver, S.J., Mallinson, D.J., Self-Trail, J. Cretaceous and Pliocene microfossils from Greens Mill Run, North Carolina, USA. NESEGSA Meeting, Reston, VA, March 2023.
- King, J.**, Mallinson, D.J., Culver, S.J. Paleoenvironmental changes related to rapid sea-level rise during the late Pleistocene in the lower Neuse River basin, North Carolina. NESEGSA Meeting, Reston, VA, March 2023.
- Brown, C.**, Mallinson, D.J., Pearson, S., Mulligan, R. Testing a stratigraphic model of Bogue Inlet, NC, using geophysical, hydrodynamic, and sedimentological analyses. NESEGSA Meeting, Reston, VA, March 2023.
- Mallinson, D.J., Culver, S.J., DeWitt, R., Leorri, E., and **King, J.** New insights into the late Pleistocene stratigraphy and paleoenvironments of eastern North Carolina, USA. NESEGSA Meeting, Reston, VA, March 2023.
- Yu Ting Yan, Switzer, A.D., Fontanier, C., Culver, S.J., Chua, S., Morgan, K.M., Dixit, Y., Horton, B.P. A sedimentary and foraminiferal record of early to mid-Holocene environmental change from southern Singapore. EGU General Assembly, Vienna, Austria, April 2023.