

Pamela Hallock Muller
University of South Florida - College of Marine Science

Curriculum Vitae

General Data

Name: Pamela Hallock Muller
Address: College of Marine Science
University of South Florida
140 Seventh Ave. S.
St. Petersburg, FL 33701
Phone: 727-553-9567
e-mail: pmuller@usf.edu

Initial Date of USF Employment/August 1983
Initial Rank: Associate Professor
Present Rank: Professor (8/88)
Tenured (6/86)
FAX: 727-553-9189
website: www.marine.usf.edu/reefslab

Education

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
University of Montana, Missoula	Zoology	B.A.	June 1969
University of Hawaii, Honolulu	Oceanography	M.S.	May 1972
University of Hawaii, Honolulu	Oceanography	Ph.D.	May 1977

Employment

2001- Present Professor, College of Marine Science, University of South Florida, St. Petersburg, FL
1988-2001 Professor, Department of Marine Science, University of South Florida, St. Petersburg, FL
1983-1988 Associate Professor, Department of Marine Science, University of South Florida, St. Petersburg, Florida
1979-1983 Assistant Professor, Faculty of Earth Sciences, The University of Texas of the Permian Basin, Odessa, Texas
1978-1979 Visiting Assistant Professor, Faculty of Earth Sciences, The University of Texas of the Permian Basin

Postdoctoral Research

Institute for Historical Geology and Paleontology, University of Copenhagen, Denmark (1978)
Institute of General Microbiology, Kiel University, Federal Republic of Germany (1979)

Field Research

Chief Scientist or Co-Chief Scientist on nine research cruises, participant on ten others, including IODP Leg 194.
Extensive field experience (40+ years) using SCUBA and enriched air (NITROX) in reef areas worldwide, including 10-day saturation mission in 1994.

Areas of Specialization

Role of nutrients, light, and ocean chemistry in coral reefs, carbonate sedimentology, and paleoceanography; role of algal symbiosis in carbonate production, community structure, and evolution.

Biology/paleobiology/ecology/paleoecology of larger Foraminifera, including distributions, population dynamics, and functional morphologies, with applications in studies of environmental quality, paleoenvironments, carbonate sedimentation, and global environmental change.

Honors, Awards, Biographies

- 1965-1969 University of Montana Alumni Association Scholarships
- 1966 Elected to Alpha Lambda Delta Scholastic Honorary, University of Montana
- 1968 Elected to Phi Sigma Biological Honorary, University of Montana
- 1968 Elected to Phi Kappa Phi Scholastic Honorary, University of Montana
- 1971-1973 National Science Foundation Traineeship, University of Hawaii
- 1976 ARCS Foundation Scholarship to an outstanding graduate student in the sciences, University of Hawaii

- 1979, 1982 Nominee for Outstanding Teacher at the University of Texas of the Permian Basin.
- 1981 Listed in Outstanding Young Women of America
- 1987 NASA/ASEE Summer Faculty Fellowship
- 1991 Listed in American Men and Women of Science & Who's Who in American Women
- 1994 W. Storrs Cole Memorial Research Award, Geological Society of America
- 1995-present Listed in Who's Who in America
- 1999 Association for Women Geoscientists Outstanding Educator Award
- 2000 Keynote Speaker, 10th Symposium on the Geology of the Bahamas
- 2000-present Distinguished Speaker Program, Association for Women in Science
- 2002 USF Outstanding Research Achievement Award Recipient
- 2011-2018 Invited Member, International Scientific Advisory Board for the Leibniz Center for Marine Tropical Marine Research (ZMT), in Bremen, Germany

- 2012 Elected Fellow, The Paleontological Society
- 2012 Alfred P. Sloan Foundation Minority Ph.D. Program's Mentor of the Year
- 2013 Recognized as one of the Top 25 Women Professors in Florida.
- 2013-14 USF-CMS Graduate Mentor of the Year
- 2015 Joseph A. Cushman Award for Excellence in Foraminiferal Research
- 2016 USF Graduate Mentor of the Year
- 2018 Albert Nelson Marquis Lifetime Achievement Award

Professional Organizations and Offices

Cushman Foundation for Foraminiferal Research (Board of Directors 1990-2020; Vice President 1994, 2010; President 1995-96; 2011)
Geological Society of America –Fellow (W.Storrs Cole Award Selection Committee: 2003–15)
Paleontological Society-Fellow (Schuchert Award Committee: 1996–97; Strimple Award Committee: 2013–15; Fellows and Medalist Recommendation Committee: 2016-2017)
Association for Women Geoscientists (Member)
Association for Women in Science (Member)
American Academy of Underwater Sciences (Member)
(Technical Chair -- “Diving for Science in the 21st Century”, the 20th Annual AAUS Symposium, 2000)
SEPM-Society for Sedimentary Geology including North American Micropaleontological Section
(Permian Basin Section - Technical Editor of annual guidebooks 1981, 1982; Second Vice President 1982-83; Publicity Chair for 1995 SEPM Congress on Sedimentary Geology; Executive Council - Paleontology Councilor 1997-99; Moore Medal Selection Committee Chair 1997-99; AGI Representative 1998-99; Nominations Committee 2002)
Member, International Society for Micropaleontology, Microbiology and Meiobenthology:
Member, Organizing Committee, EMMM'2002, Vienna, Austria, September 2002.
American Geophysical Union/AGU (Member)
American Society of Limnology and Oceanography/ASLO (Member)
Member, Scientific Organizing Committee, Forams 2014 – International Symposium on Foraminifera, Concepcion, Chile, January 2014
Member, Scientific Organizing Committee, Forams 2018 – International Symposium on Foraminifera, Edinburgh, Scotland

Editorial Boards:

Associate Editor - *Journal of Foraminiferal Research* (1985–2003)
Associate Editor for Larger Foraminifera – *Journal of Foraminiferal Research* (2004–2014)
Editor - *Journal of Foraminiferal Research* (2015–2018)
Editorial Board - *Marine Micropaleontology* (1990–2012)
Editorial Board - *Geology* (1996–1998)

Teaching and Other Instructional Activities

Course Instruction - University of Texas of the Permian Basin (1978-1983):

Junior-level courses: Introduction to Paleontology, Biostratigraphy, Stratigraphy, Minerals and Rocks, Scientific Writing, Statistics.

Senior-level courses: Sedimentology, Micropaleontology, Paleoecology, Oceanography.

Graduate-level courses: Advanced (Carbonate) Stratigraphy, Clastic Depositional Systems.

Course Instruction - University of South Florida (1983-present)

Senior-level courses: Geology of Florida; Coral Reefs: Past, Present, Future; Coral Biology and Reef Ecology

Graduate-level courses: Paleooceanography, Marine Micropaleontology, Biogenic Sedimentation, Marine Paleoecology, Evolution and Ecology of Reefs, Foraminiferal Biology, Quantitative Ecology Seminar, Topics in Reef Research, Surveying Natural Populations, Carbonate Sediments and Ocean Acidification, Carbonate Sediments in Geological History, Writing a Scientific Paper

Selected Lectures in Team-Taught Graduate-level Courses: Biological Oceanography, Geological Oceanography, Foundations in Biological and Fisheries Oceanography.

Master's Thesis Advisory Committees

University of Texas of the Permian Basin

Jackie L. Carter - Counseling 1982

Linda B. Forward - Life Science 1984 (Co-chair while at UTPB)

University of South Florida - completed

1. David Martin - Marine Science - 1984

2. Jean Hebert - Marine Science - 1985

3. Rosanne Joyce - Marine Science - 1985

4. Joan Hutton - Marine Science - 1986

5. David Mearns - Marine Science - 1986

6. Theresa Cottey - Marine Science (Chair) - 1987

7. Jennifer McNeillie - Marine Science - 1987

8. Nina Triffleman - Marine Science (Chair) - 1989

9. Mark Flock - Marine Science - 1989

10. Helen Talge - Marine Science (Chair) - 1991

11. Michael Harris - Marine Science - 1992

12. Kelly Boomer Donnelly - Marine Science (Chair) - 1993

13. Strawn Knaup Toler - Marine Science (Co-Chair) - 1993

14. Elizabeth Cockey - Marine Science (Chair) - 1994

15. Julie Garrett - Marine Science (Co-Chair) - 1994

16. Jodi Harney - Marine Science (Chair) - 1996

17. Merrie Beth Neeley - Marine Science - 1996

18. Kathryn Fitzsimmons - Marine Science (Chair) - 1996

19. Patty Pratt - Marine Science - 1997

20. Andrea Mosier - Marine Science - 1998

21. Dawn Olson - Marine Science (Co-Chair) - 1998

22. Fred Stengard - Marine Science - 1998

23. Jennifer Cummins - Marine Science - 2000

24. Matthew Patterson - Marine Science (Chair) - 2000

25. Nicole Turkson - Marine Science (Chair) - 2000

26. David Palandro - Marine Science - 2000

27. Elizabeth Merman - Marine Science - 2000

28. Heidi Crevison - Marine Science (Chair) - 2001

29. Keith Hackett – Marine Science (Chair) – 2002

30. Ana Coyo Hoare – Marine Science (Chair) – 2002

Master's Thesis Advisory Committees (cont.) - University of South Florida - completed

31. Jennifer Jacukiewicz - Marine Science (Chair) – 2002

32. Matthew Lybolt – Marine Science (Chair) – 2003

33. Elizabeth Tyner - Marine Science – 2003

34. Donna O'Dell Berns -- Marine Science – 2003

35. Stephen Obrochta – Marine Science – 2004

36. Kathryn Sheps – Marine Science (Chair) – 2004

37. Robert Walker - Marine Science (Chair) – 2004

38. Michael Callahan – Marine Science (Chair) – 2005

39. Elizabeth Carnahan – Marine Science (Chair) – 2005

40. Camille Daniels – Marine Science (Chair) – 2005

41. Andrew Farmer – Marine Science – 2005

42. Martin Montes-Hugo – Marine Science – 2005

43. Elizabeth Schlansky Singh – Marine Science – 2005

44. Nicole Caesar – Marine Science (Chair) – 2006

45. Dana Gaydos – Marine Science (Chair) – 2006

46. Stephen Gustafson – Marine Science (Chair) – 2006

47. Inia Soto – Marine Science -- 2006

48. Kate Ciembronowicz – Marine Science – 2007

49. Kris Stair – Marine Science – 2007

50. Karen Atwood – Marine Science (Co-chair with G. Vargo) – 2008

51. Rebecca Baker – Marine Science (Chair) – 2008

52. Alexa Ramirez – Marine Science (Chair) – 2008

53. Kelley Anderson – Marine Science (Chair) – 2008

54. Ian Dow – Marine Science – 2008

55. Ryann Williams – Marine Science (Chair) – 2009

56. Brienne Engel – Marine Science (Chair) – 2010

57. Michael Drexler – Marine Science (Chair) - 2011

58. Adrienne George – Marine Science (Chair) - 2011

59. Christy Stephenson – Marine Science (Chair) - 2011

60. Amy Wallace – Marine Science (Chair) - 2011

61. Kathryn Wirt – Marine Science (Chair) – 2011

62. Kristy Menning – Integrative Biology – 2012

63. Bridget McCrickard Mathers – Marine Science (Chair) – 2012

64. Mark Hartman – Marine Science (Chair) – 2012

65. Benjamin Ross – Marine Science (Chair) – 2012

66. Heidi Toomey – Marine Science (Chair) – 2013

67. Kristin Netchy – Marine Science (Chair) – 2014

68. Lucy Bartlett – Marine Science (Chair) – 2014

69. Heather Bender – Geology – 2015

70. Stephanie Lawler – Marine Science—2016

71. Sean Beckwith – Marine Science (Chair) – 2016

72. Catherine Smith – Marine Science (Chair) – 2016

73. Jennifer Brizzolara – Marine Science – 2017

74. Kara Wall – Marine Science – 2017

75. Erin Cuyler – Marine Science—2017

Master's Thesis Advisory Committees

University of South Florida – in progress

1. **Kyle Amergian – Marine Science (Chair)**
2. Katie Davis – Marine Science
3. **Christian Gfatter – Marine Science (Chair)**
4. **McKenna Martin – Marine Science (Chair)**

Master's Thesis Examination Committees - International

1. Martina de Freitas Prazeres, Programa de Pós-Graduação em Oceanografia Biológica, Universidade Federal do Rio Grande, Rio Grande do Sul, Brazil – 2011.
2. Joseane Aparecida Marques, Programa de Pós-Graduação em Oceanografia Biológica, Universidade Federal do Rio Grande, Rio Grande do Sul, Brazil – 2014.
3. Stephanie Vivien Hyman, College of Agriculture, Engineering and Science, University of Kwazulu-Natal, Durban, South Africa – 2015.
4. Roselyn Naidu, University of the South Pacific, Fiji – 2015

Doctoral Dissertation Advisory Committees - University of South Florida - completed

1. Gregg Brooks - Marine Science - 1986
2. James Gibeaut - Marine Science - 1991
3. Evamaria Koch - Marine Science - 1993
4. J. William Louda - Marine Science - 1993
- 5. Mark Peebles - Marine Science (Chair) - 1993**
6. Stephen W. Snyder - Marine Science - 1994
7. David Mallinson - Marine Science - 1995
8. Eunil Lee - Marine Science - 1996
9. Marguerite Toscano - Marine Science - 1996
10. Kimberly Yates - Geology - 1996
11. David Duncan - Marine Science - 1997
12. Dale Griffin - Marine Science - 1999
13. Erin Lipp - Marine Science – 1999
14. Renate Bernstein – Marine Science – 2000
- 15. Thomas Dix - Marine Science (Chair) – 2001**
16. Kim Donaldson - Marine Science – 2001
- 17. Melanie Dotherow-McField - Marine Science (Chair) – 2001**
18. Pamela Sutton – Marine Science – 2001
- 19. Helen Talge - Marine Science (Chair) – 2002**
- 20. Strawn Toler - Marine Science (Chair) -- 2002**
- 21. Dana Williams - Marine Science (Chair) – 2002**
22. Bret Jarrett - Marine Science – 2003
23. Anne McMillan-Jackson – Biology – 2003
24. Stephaney Shehane - Marine Science – 2003
25. Lauren McDaniels – Marine Science – 2005
26. David Palandro – Marine Science – 2006
- 27. Elizabeth Fisher – Marine Science (Chair) – 2007**
28. Roy Price – Geology – 2008
29. Armando Hoare – Mathematics/Applied Statistics – 2008
30. Teresa Greely – Science Education – 2008
- 31. Lore Ayoub – Marine Science (Paula Coble, co-chair) – 2009**
- 32. Jennifer Dupont – Marine Science (Chair) – 2009**
- 33. Bryan McCloskey – Marine Science (Chair) – 2009**
- 34. Heidi Souder – Marine Science (Robert Byrne, co-chair) – 2009**
35. James Ivey – Marine Science – 2009
36. David Karlen – Biology – 2010
37. Sarine Manoukian – Marine Science – 2011
- 38. Julie Galkiewicz – Marine Science (Chair) – 2011**
- 39. Camille Daniels – Marine Science (Co-chair with Mya Breitbart) – 2011**
40. Patrick Schwing – Marine Science – 2011
41. Daniel Otis – Marine Science – 2012
- 42. Paul Suprenand – Marine Science (Co-chair with JJ Torres) – 2013**
43. Luis Miranda – Marine Science - 2013
44. Regina Easley – Marine Science – 2013
- 45. Lara Henry – Marine Science (Co-chair with JJ Torres) – 2013**
46. Brian Barnes – Marine Science – 2013
47. Candace Simmons – Marine Science – 2013
48. Mark Patsavas – Marine Science – 2014
- 49. W. Noland Elsaesser -- Marine Science (Co-Chair with N. Blake) – 2014**
50. Paul Knorr – Geology – 2014
51. Bo Yang – Marine Science – 2015
- 52. Katherine Wirt – Marine Science – 2016**
- 53. Kwasi H. Barnes – Marine Science – 2016**

54. Natasha Mendez-Ferrer – Marine Science – 2016

55. Michael Martinez-Colon – Marine Science – 2016

Doctoral Dissertation Advisory Committees - University of South Florida – completed (cont.)

56. Maria Vega-Rodriguez – Marine Science – 2016

57. Shane Dunn – Marine Science – 2016

58. Josh Breithaupt – Marine Science – 2017

59. Adrienne George – Marine Science (Chair) – 2017

Dissertation Defense Chair

Nicholas Curtis – USF Department of Biology -- 2006

Keith Hackett – USF Department of Mathematics and Statistics – 2011

Michael Middlebrook – USF Department of Integrative Biology – 2012

Doctoral Dissertation Advisory Committees – Other Universities

University of Calcutta (External Examiner)

1. Mrinal Khanti Ghosh - Zoology – 1988

2. Sri Sabyasachi Majumdar – Marine Science - 2003

University of Tennessee at Knoxville (Outside Reader)

3. Jonathan Bryan - Geology – 1991

James Cook University, Townsville, Australia ((External Examiner)

4. Melissa Lobegeier – Earth Sciences – 2001

Universitat de les Illes Balears, Spain (co-advisor)

5. Guillem Mateu Vincens – Biology – 2007

University of Miami, Miami, Florida – 2011 (Committee Member)

6. Rebecca Albright – RSMAS

University of Queensland, Australia (Independent Examiner)

7. Yogeeta Roshni Narayan – 2011

Macquarie University, NSW, Australia (Independent Examiner)

8. Briony Mamo – 2011

University of Technology, Sydney, NSW, Australia (External Examiner)

9. Sutinee Sinutok – 2012

University of Queensland, Australia (Independent Examiner)

10. Joost Wijtze van Dam – 2013

Ain Shams University, Egypt (Dissertation Committee Member)

11. Safeya Gaber Abdullah Almenoufy – 2014

Pondicherry University, Pudhucherry, India (External Examiner)

12. P. Mothilal Yuvaraja – 2014

Utrecht University, The Netherlands (External Examiner)

13. Vibor Novak – 2014

Universitat Autònoma de Barcelona, Spain

14. Maria Eugenia Arriaga Cavalieri -- 2016

King Fahd University of Petroleum and Minerals, Dhahran, Saudi

15. Abduljamiu Olalekan Amao – 2017

University of Bremen and ZMT, Germany

16. Marleen Struh – January 2018

Doctoral Dissertation Advisory Committees

University of South Florida – in progress *Ph.D. Candidate

***Elizabeth Brown – Marine Science (Chair)**

* Nora (Katie) Douglas – Marine Science

*** Christian Haller – Marine Science (Co-Chair)**

*** Selena Johnson – Marine Science (Chair)**

*** Benjamin Ross – Marine Science – (Chair)**

Elizabeth Simpson – Marine Science

Florida International University – in progress
* Maria Sider – Geology

Mentor/advisor for CMS Minority Recruitment Programs:

Sloan PhD program:

Michael Martínez-Colón, PhD 2016

Natasha Mendez-Ferrer, PhD 2016

Adrienne George, MSc, PhD 2017

NSF-Bridge to Doctorate Program for minority students:

Camille Daniels, MSc 2005, PhD 2011

Eddy Flores – 2005-2006 withdrew

Ryann Williams, MSc 2009

Adrienne George, MSc, PhD 2017

Natasha Mendez-Ferrer, PhD 2016

Other Minority Students Supervised

Nicole Turkson, MSc 2000

Ana Hoare, MSc 2002

Nicole Caesar, MSc 2006

Alexa Ramirez, M.S. 2008

Kwasi Barnes, PhD 2016

Postdoctoral Researchers Hosted or Supervised:

Niyazi Avsar, Gukurova University, Turkey - 1986

Eulalia Gili-Folch, Autònoma University of Barcelona, Spain - 1991

Bayu Ludvianto, Benkulu University, Indonesia - 1996-97

Timothy Ourbak, CMS-USF Endowed Postdoctoral Researcher – 2007-2008 (co-advisor)

Jennifer Dupont – Knauss Fellow – 2009-10

Julia Galkiewicz – Knauss Fellow – 2012-13

Predoxal Visiting Researchers (including “Sandwich” Scholars) Hosted/Supervised:

Kazuhito Fujuta, Tohoku University, Sendai, Japan – 1998

María Elena Chávez-Marrero, Instituto de Ocenología, Reparto Flores, Cuba – 2003

Guillem Mateu-Vicens, Universitat de les Illes Balears, Spain – 2003, 2005, 2006

Shi Yu-kun, Nanjing University, China – 2007-08

Antje Funcke, University of Brehmen, Germany – 2009-10

Imam Bachtiar, Bogor Agricultural University, Indonesia – 2009-10

Martina De Freitas Prazeres, University of Rio Grande do Sul, Brazil – 2011

María Eugenia Arriaga Cavalieri, Universitat Autònoma de Barcelona, Spain – 2014

Marleen Struh, University of Bremen and ZMT, Germany – 2014, 2015

Undergraduate Students hosted/supervised:

Michelle Williams, Wichita State University, Wichita, KS – Summer 2000
Jenny Nichols, Environmental Science/Policy, USF, St. Petersburg – Spring 2003
Heidi Gillum, Friends University, Wichita, KS – Summer/Fall 2003
Zaki Moustafa, Duke University – 2008 –
 Manuscript published in Proc. 2008 International Coral Reef Symposium
Elise Keister, Center for Industrial & Interdisciplinary Mathematics, USF – 2009
 published project in the Undergraduate Journal of Mathematical Modeling: One +
 Two, <http://shell.cas.usf.edu/math/mug/ujac/f09/>
Denise Bortnak, Department of Integrative Biology, USF – 2009-10
Brittany Lyp, Environmental Science and Policy, STREAMS Fellow –2008-12
Brooke Freeberg, Environmental Science and Policy, STREAMS Fellow –2009-12
Ashley Earls, Claudia Burriss – Applied Calculus II Projects – Fall 2010
Sofialejandra Bejarano – Applied Calculus II Project – Spring 2011
Elizabeth Stoever – Applied Calculus II Project – Fall 2011
Kasi Techron - Environmental Science and Policy, USF St Petersburg – 2011-12
Stephanie Lawler - Environmental Science and Policy, USF St Petersburg – 2011
Brittani Woolverton - Environmental Science and Policy, USF St Petersburg –2012
Elizabeth Johnsey -- Environmental Science and Policy, USF St Petersburg –2012-14
Benjamin Prueitt -- Environmental Science and Policy, USF St Petersburg –Senior
 Honors Thesis Advisor – 2012-13
Sophia Grammerler – Integrative Biology – 2014
Marshall Lester – Environmental Science and Policy (Intern Spring 2015)
Garrett Miller –Biology USFSP, Senior Honors Thesis Advisor – December 2015
Alexis Valencia – Biology USFSP – Fall Semester 2016

Middle/High School Students Hosted/Supervised:

Christy Fascenello, Center for Advanced Technology, Lakewood High School – 1998-99
Courtney Borowsky, Center for Advanced Technology, Lakewood High School – 1998-

99

 1999 International Science Fair – NASA Internship Award
Zaki Moustafa, Dreyfos High School of the Arts, West Palm Beach, FL – 2004-08
 Science mentor through high school: Zaki was invited to the International
 Science and Engineering Fair (ISEF) each year and in 2008 was awarded the
 "The Pulse of the Planet Award" by National Ocean and Atmospheric
 Association and the INTEL ISEF – Animal Science – 4th Place Grand Award
Sage Hazlett, Home Schooled, Clearwater, 1st place Middle-School Science Fair –2014

University, College, Departmental, or SUS Councils or Committees

The University of Texas of the Permian Basin

Faculty Senate Curriculum Committee (1981- 1982, chair: 1982)
Library - Media Committee (1978-1982)
Financial Aid and Scholarship Committee (1979-81, 1982-83)
Alumni Committee (1981-82)
Advisory Committee for the Selection of a Chief Administrative Officer (President) of the University of Texas of the Permian Basin (1982-83)

*University of South Florida (*Current)*

Department of Marine Science Space Committee (1983-87)
Department of Marine Science Budget Committee (Chair) (1984-87)
Department/College of Marine Science Admissions and Awards Committee (1984-2003)
***Department/College of Marine Science Tenure and Promotion Committee (1986-2018), Co-chair (2017-18)**
Department of Marine Science Curriculum Committee (Chair) (1987-92)
Department/College of Marine Science Scientific Diving Committee (Chair) (1987-02)
Marine Science School/College Initiative Committee (1988-90)
Department of Marine Science Faculty Recruiting Committee (1989-97, Chair 1995-97)
Department of Marine Science Search Committee for Physical Oceanographer (1995)
Department of Marine Science Search Committee for Marine Geologist (Chair 1995-96)
Department of Marine Science Search Committee for Marine Geochemist (1996)
Department/College of Marine Science Faculty Evaluation Committee (1990-Chair, 1992, 1994, 1996, 2002, 2006-Chair, 2008, 2009 –chair; 2012, 2013)
Department of Marine Science PEP Evaluation Committee (1996, 1998-Chair)
Department of Marine Science Personnel Committee (1989-97)
College of Arts and Sciences Graduate Curriculum Committee (Chair - 1990-92)
***University Diving Control Board (Member 1987-2018; Chair 1992-99)**
University Search Committee, Dean of Arts and Sciences (Member 1989-90)
Search Committee, Dean of St. Petersburg Campus (Substitute Member 1991)
University of South Florida Research Council (Member 1992-96)
University of South Florida Status of Women Committee (Member 1998-2001)
Biology Department Search Committee for a Marine Ecologist (Member 1999)
College of Marine Science Transition Planning Committee (Member 2000)
Dean's Advisory Council, College of Marine Science (Member 2000-2002; 2007-09)
College of Marine Science Search Committee for Biological Oceanographer (2002-05)
College of Marine Science Evaluation Oversight Committee (Chair – 2003-05; Member – 2012-13)
Search Committees for Dean of the College of Marine Science (2006-2008; 2010)
Member, USF Task Force Steering Committee on Faculty Roles, Responsibilities and Rewards; Rewards Working Group Chair (2008-09)
CMS Search Committee for Remote-Sensing Oceanographer and Fish Ecologist (2008-09)
CMS Center for Ocean Technology Advisory Committee (2008-09)
CMS Search Committee for a Paleoclimatologist (2010-11)
CMS Ad-Hoc Committee on Undergraduate Teaching (2011-12)
CMS Search Committee for a Paleoceanographer (2012-13)
CMS Dean's Advisory Council, College of Marine Science (Chair 2012-14)
CMS Search Committee for a Biological Oceanographer (2014-15)
***USF Graduate Council, including Policy and Curriculum Committee (Member 2005-08, 2009-12, 2014-18; Co-chair of Curriculum 2010-12)**
CMS Search Committee for a Chemical Oceanographer (2015-16)
CMS Curriculum Committee (Member 2011-18)
CMS 50th Reunion Committee (Co-Chair 2016-17)

SUS/BOR/UFF Committees
UFF/BOR Joint Task for on SUS Faculty Salaries (Member 1999-00)

Civic and Public Service Activities

Member and scientific advisor, Odessa Meteor Crater Task Force, Tourism Committee, Odessa Chamber of Commerce, Odessa, Texas (1979-1983)

Career Day Speaker on Oceanography for Midland and Lee Freshman High Schools, Texas (1980-83)

Marine Science Consultant to South Baywood Neighborhood (Southeast St. Petersburg, FL) Girl Scouts (1983-85)

Book Scholarship Committee Chair, USF - St. Petersburg Women's Organization (1985-86)

Lecture on coral reefs/marine science/paleontology (or locate lecturers) for Pinellas County Schools Community Resources Bank (1984 –1998)

Member Scientific Advisory Panel, American Littoral Society - Coral Reef Conservation Center, Key Biscayne, Florida (1988–1992)

University of South Florida - St. Petersburg Speaker's Bureau (1988 – 1998; discontinued at that time)

Judge, 35th State Science and Engineering Fair (1990)

Judge, Pinellas County Science Fair (1989, 1991, 1994, 1995, 1999, 2003)

Participant, Save Our Shores Coastal Cleanups: annually 1993–2017

Mentor for two Lakewood High School (Center for Advanced Technologies) science students (1996-97)

American Association of University Women Legal Advocacy Fund Speaker (1999-2000)

Organized teams for Oasis Bowl-a-thon, USF, St. Petersburg (2000, 2002)

Member: Special Coral Scientific and Statistical Committee, Gulf of Mexico Fishery Management Council (1999-2003)

Mentor for Zaki Moustafa, West Palm Beach, Florida, 2005, 2006, 2007, 2008 winner of Senior Division Zoology and 2005 Best of Show, Florida State Science Fair

Expert Judge or Science Judge, Spoonbill Bowl (West Florida Regional qualifier for the National Ocean Science Bowl) – annually, 2006–2010 and 2012–2017; also includes reviewing questions prior to the competition.

Expert Judge, National Ocean Science Bowl – 2011

Presentation and Writing Coach, McKnight Doctoral Fellowship Program Mid-Year Meeting Research and Writing Conference, 2012, 2013.

Great American Teach In–Presented talks on careers in science at the Thonotosassa Community Middle School, 10/2015

Camper Interviews, Oceanography Camp for Girls, nearly every year since the camp began in 1991.

Reviewer of student applications for the MSPHD program, a nation-wide program aimed at enhancing success in graduate students from underrepresented minorities, annually 2010–2015

Co-organizer of the Salty Dogfish Team for the Tampa Bay SPCA Petwalk – annually for several years through 2017.

Member and participant in ARCS Tampa Bay, a local chapter of ARCS National that raises funds to support graduate students in STEM disciplines (through 2017).

Research and Creative Activities

Publications (*my graduate student civic and public service activities over the years can be found Civic and Public Service Activities ; **student on whose committee I served)

Articles in Refereed Journals

1. Muller, P. Hallock. 1974. Sediment production and population biology of the benthic foraminifer *Amphistegina madagascariensis*. *Limnology and Oceanography* 19:802-809.
2. Muller, P. Hallock. 1978. Carbon-14 fixation and loss in a foraminiferal-algal symbiont system. *Journal of Foraminiferal Research* 8:34-41.
3. Hallock, P. 1979. Trends in test shape in large, symbiont-bearing foraminifera. *Journal of Foraminiferal Research* 9:61-69.
4. Hallock, P. and H. J. Hansen. 1979. Depth adaptation in *Amphistegina*: change in lamellar thickness. *Geological Society of Denmark, Bulletin* 27:99-104.
5. Hallock, P. and A. R. Larsen. 1979. Coiling direction in *Amphistegina*. *Marine Micropaleontology* 4:33-44.
6. Hallock, P. 1981. Light dependence in *Amphistegina*. *Journal of Foraminiferal Research* 11:42-48.
7. Hallock, P. 1981. Algal symbiosis: a mathematical analysis. *Marine Biology* 62:249-255.
8. Hallock, P. 1981. Production of carbonate sediments by selected foraminifera on two Pacific coral reefs. *Journal of Sedimentary Petrology* 51:467-474.
9. Röttger, R. and P. Hallock. 1982. Shape trends in *Heterostegina*. *Journal of Foraminiferal Research* 12:197-204.
10. Hallock, P. 1984. Distribution of selected species of living algal symbiont-bearing foraminifera on two Pacific coral reefs. *Journal of Foraminiferal Research* 14:250-261.
11. Hallock, P. 1985. Why are larger foraminifera large? *Paleobiology* 11:195-208.
12. Hallock, P. and E. C. Glenn. 1985. Paleoenvironmental analysis of foraminiferal assemblages: a tool for recognizing depositional facies in lower Miocene reef complexes. *Journal of Paleontology* 59:1382-1394.
13. Hallock, P. and E. C. Glenn. 1986. Larger foraminifera: a tool for paleoenvironmental analysis of Cenozoic carbonate facies. *Palaios* 1:55-64.
14. Hallock, P. and W. Schlager. 1986. Nutrient excess and the demise of coral reefs and carbonate platforms. *Palaios* 1:389-398.
15. Hallock, P., T. L. Cottey*, L. B. Forward* and J. Halas. 1986. Population dynamics and sediment production by *Archaias angulatus* (Foraminiferida) in Largo Sound, Florida. *Journal of Foraminiferal Research* 16:1-18.
16. Hallock, P., L. B. Forward* and H. J. Hansen. 1986. Environmental influence of test shape in *Amphistegina*. *Journal of Foraminiferal Research* 16:224-231.
17. Hallock, P. 1987. Fluctuations in the trophic resource continuum: a factor in global diversity cycles? *Paleoceanography* 2:457-471.
18. Lee, J. J. and P. Hallock. 1987. Algal symbiosis as the driving force in the evolution of larger foraminifera. *Annals of the New York Academy of Science* 503:330-347.
19. Cottey*, T. L. and P. Hallock. 1988. Test surface degradation in *Archaias angulatus*. *Journal of Foraminiferal Research* 18(3):187-202.
20. Hallock, P. 1988. The role of nutrient availability in bioerosion: consequences to carbonate buildups. *Palaeogeography, Palaeoclimatology, Palaeoecology* 63:275-291.

21. Hallock, P., A. C. Hine, G. A. Vargo, J. A. Elrod and W. C. Jaap. 1988. Platforms of the Nicaraguan Rise: Examples of the sensitivity of carbonate sedimentation to excess trophic resources? *Geology* 16:1104-1107.

Articles in Refereed Journals (cont.)

22. Hine, A. C., P. Hallock, M. Harris**, H. T. Mullins, D. F. Belknap and W. C. Jaap. 1988. *Halimeda* bioherms along an open seaway: Miskito Channel, Nicaraguan Rise, S.W. Caribbean Sea. *Coral Reefs* 6:173-178.
23. Hallock, P., I. Premoli-Silva and A. Boersma. 1991. Similarities between planktonic and larger foraminiferal evolutionary trends through Paleogene paleoceanographic changes. *Palaeogeography, Palaeoclimatology, Palaeoecology* 83:49-64.
24. Triffleman*, N. J., P. Hallock, A. C. Hine and M. W. Peebles*. 1991. Foraminifera of Serranilla Bank: Distribution of Foraminiferal Tests in Sediments of Serranilla Bank, Nicaraguan Rise, Southwestern Caribbean. *Journal of Foraminiferal Research* 21:39-47.
25. Hine, A. C., S. D. Locker, L. P. Tedesco, H. T. Mullins, P. Hallock, D. F. Belknap, J. L. Gonzales, A. C. Neumann and S. W. Snyder. 1992. Megabreccia shedding from modern, low-relief carbonate platforms, Nicaraguan Rise. *Geological Society of America Bulletin* 104:928-943.
26. Lang, J. C., H. R. Lasker, E. H. Gladfelter, P. Hallock, W. C. Jaap, F. J. Losada and R. G. Muller. 1992. Spatial and Temporal Variability during Periods of "Recovery" after Mass Bleaching on Western Atlantic Coral Reefs. *American Zoologist* 32:696-706.
27. Triffleman*, N. J., P. Hallock and A. C. Hine. 1992. Morphology, sediments, and depositional environments of a small carbonate platform: Serranilla Bank, Nicaraguan Rise, southwest Caribbean Sea. *Journal of Sedimentary Petrology* 62:591-606.
28. Erlich, R. N., P. F. Farfan, and P. Hallock. 1993. Biostratigraphy, depositional environments, and diagenesis of the Tamana Formation, Trinidad: A tectonic marker horizon. *Sedimentology* 40:743-768.
29. Hallock, P. and M. W. Peebles*. 1993. Foraminifera with chlorophyte endosymbionts: Habitats of six species in the Florida Keys. *Marine Micropaleontology* 20:277-292.
30. Hallock, P., F. E. Müller-Karger and J. C. Halas. 1993. Coral Reef Decline - Anthropogenic Nutrients and the Degradation of Western Atlantic and Caribbean Coral Reefs. *Research and Exploration* 9(3):358-378.
31. Hallock, P. 1994. Promoting diversity on campus: An insider's point of view. *Thought and Action* X(2):65-78.
32. Hallock, P. and H. K. Talge. 1994. A predatory foraminifer, *Floresina amphiphaga* n. sp., from the Florida Keys. *Journal of Foraminiferal Research* 24(4):210-213.
33. Hine, A. C., M. W. Harris**, S. D. Locker, P. Hallock, M. Peebles*, L. P. Tedesco, H. T. Mullins, S. W. Snyder, D. F. Belknap, J. L. Gonzales, A. C. Neumann, and J. Martinez. 1994. Sedimentary infilling of an open seaway: Bawihka Channel, Nicaraguan Rise. *Journal of Sedimentary Research* B64(1):2-25.
34. Hallock, P., H. K. Talge*, E. M. Cockey* and R. G. Muller. 1995. A new disease in reef-dwelling foraminifera: Implications for coastal sedimentation. *Journal of Foraminiferal Research* 25:280-286.
35. Lee, J. J., J. Morales, A. Symons, and P. Hallock. 1995. Diatom symbionts in larger foraminifera from Caribbean hosts. *Marine Micropaleontology*. 26: 99-105.
36. Talge*, H. K. and P. Hallock. 1995. Cytological examination of symbiont loss in a benthic foraminifera, *Amphistegina gibbosa*. *Marine Micropaleontology* 26: 107-113.
37. Cockey*, E.M., P. Hallock, and B. Lidz. 1996. Decadal scale changes in benthic foraminiferal assemblages off Key Largo, Florida. *Coral Reefs*. 15:237-248.
38. Peebles*, M. W., P. Hallock and A. C. Hine. 1997. Benthic foraminiferal assemblages from current-swept carbonate platforms of the Northern Nicaraguan Rise, Caribbean Sea. *Journal of Foraminiferal Research*. 27:42-50.
39. Williams*, D.E., P. Hallock, H.K. Talge*, J.N. Harney*, and G. McRae. 1997. Responses of *Amphistegina gibbosa* populations in the Florida Keys to a multi-year stress event (1991-96). *Journal of Foraminiferal Research*, 27:264-269.

40. Lee, J.J., J. Morales, S. Bacus, A. Diamont, P. Hallock, J. Pawlowski, and J. Thorpe. 1997. Progress in characterizing the endosymbiotic dinoflagellates of soritid foraminifera and related studies on the life cycle of *Marginopora vertebralis*. *Journal of Foraminiferal Research*, 27(4): 254-263.

Articles in Refereed Journals (cont.)

41. Harney*, J., Hallock, P., and Talge*, H.K. 1998. Observations on a trimorphic life cycle in *Amphistegina gibbosa* populations from the Florida Keys. *Journal of Foraminiferal Research*, 28(2):141-147.
42. Toler*, S.K. and P. Hallock. 1998. Shell malformation in stressed *Amphistegina* populations: relation to biomineralization and paleoenvironmental potential. *Marine Micropaleontology* 34: 107-115.
43. Hallock, P., Talge*, H.K., Williams*, D.E., and Harney*, J.N. 1998. Borings in *Amphistegina* (Foraminiferida): Evidence for predation by *Floresina amphiphaga* (Foraminiferida). *Historical Biology* 13:73-76.
44. Fujita, K. and P. Hallock. 1999. A comparison of phytal substrate preferences of *Archaias angulatus* and *Sorites orbiculus* in mixed macroalgal-seagrass beds in Florida Bay. *Journal of Foraminiferal Research* 29:143-151.
45. Harney*, J.N., P. Hallock, C.H. Fletcher III, B.M. Richmond. 1999. Standing crop and sediment production of reef-dwelling foraminifera on Oahu, Hawaii. *Pacific Science* 53:61-73.
46. James, N.P., L.B. Collins, Y. Bone and P. Hallock. 1999. Rottneest Shelf to Ningaloo Reef: Cool-Water to Warm-Water Carbonate Transition on the Continental Shelf of Western Australia. *Journal of Sedimentary Research* 69:1297-1321.
47. Hallock, P. 2000. Symbiont-bearing foraminifera: harbingers of global change. *Micropaleontology* 46(Suppl. 1): 95-104.
48. Lidz, B.H. and P. Hallock. 2000. Sedimentary petrology of a declining reef ecosystem, Florida Reef Tract (U.S.A.). *Journal of Coastal Research* 16:675-697.
49. Holzmann, M., J. Hohenegger, P. Hallock, W.E. Piller, and J. Pawlowski. 2001. Molecular phylogeny of larger miliolid foraminifera (Soritacea Ehrenberg 1839). *Marine Micropaleontology* 43:57-74.
50. Isern, A.R., Anselmetti, F. S., Blum, P. and Shipboard Scientific Party. 2001. Ocean Drilling Constraints Carbonate Platform Formation and Miocene Sea Level on the Australian Margin. EOS, Transactions of the American Geophysical Union, Vol. 82 No. 41 pp 469. (R)
51. McField*, M.D., P. Hallock, W. Jaap. 2001. Multivariate analysis of reef community structure in the Belize Barrier Reef complex. *Bulletin of Marine Science*. 69(2):745-758.
52. Pawlowski, J., M. Holzmann, J.F. Fahrni, and P. Hallock. 2001. Molecular identification of algal endosymbionts in large miliolid foraminifera: 1. Chlorophytes. *Journal of Eukaryotic Microbiology* 48:362-367.
53. Toler*, S.K., P. Hallock, and J. Schijf. 2001. Mg/Ca Ratios in Stressed *Amphistegina gibbosa* from the Florida Keys. *Marine Micropaleontology*. 43:199-206.
54. Hallock, P., Lidz, B.H., Cockey-Burkhard*, E.M., and Donnelly*, K.B. 2003. Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index. *Environmental Monitoring and Assessment* 81(1-3): 221-238.
55. Mallinson**, D., Hine, A., Hallock, P., Locker, S., Shinn, E., Naar, D., Donahue, B., Weaver, D. 2003. Development of small carbonate banks on the south Florida platform margin: response to sea level and climate change. *Marine Geology*, 199 (1-2): 45-63.
56. Mutti, M. and P. Hallock, 2003. Carbonate systems along nutrient and temperature gradients: some sedimentological and geochemical constraints. *International Journal of Earth Sciences*. 92:465-475.
57. Palandro**, D., Andréfouët, S., Muller-Karger, F.E., Dustan, P., Hu, C., and Hallock, P. 2003. Detection of Changes in Coral Cover Using Landsat 5/TM and Landsat 7/ETM+ Data. *Canadian Journal of Remote Sensing*. 29(2):201-209.
58. Talge*, H.K. and Hallock, P. 2003. Ultrastructural responses to bleaching in *Amphistegina gibbosa* (Foraminifera). *Journal of Eucaryotic Microbiology*, 50(5): 324-333.

59. Fitzsimmons-Sosa*, K., P. Hallock, J. Wheaton, K. E. Hackett*, & M.K. Callahan*. 2004. Annual cycles of gonadal development of six common gorgonians from Biscayne National Park, Florida. *Caribbean Journal of Science* 40:144-149.

Articles in Refereed Journals (cont.)

60. Hallock, P., K. Barnes*, and E.M. Fisher*. 2004. From satellites to molecules: A multiscale approach to environmental monitoring and risk assessment of coral reefs. *Journal of Environmental Micropaleontology, Microbiology, and Meiobenthology* 1: 11-39.
61. Williams*, D.E. and P. Hallock. 2004. Light requirements and bleaching in *Amphistegina gibbosa*: Observations from Laboratory Experiments. *Marine Biology* 145: 641-649.
62. Hallock, P. 2005. Global change and modern coral reefs: New opportunities to understand shallow-water carbonate depositional processes. *Sedimentary Geology* 175:19-33.
63. Crevison*, H, Hallock, P., McRae, G. 2006. Sediment Cores from the Florida Keys (USA): Is Resolution Sufficient for Environmental Applications? *Journal of Environmental Micropaleontology, Microbiology, and Meiobenthology* 3: 61-82.
64. Downs, C.A., Fauth, J.E., Wetzl, D., Hallock, P., Halas, J.F., Halas, J.C., Curry, R., and Woodley, C.M. 2006. Investigating coral reef degradation at Alina's Reef in Biscayne National Park: White grunt (*Haemulon plumieri*) as a biological indicator. *Environmental Forensics* 7:15-32.
65. Hallock, P., Williams*, D.E., Fisher*, E.M., and Toler*, S.K. 2006. Bleaching in Foraminifera with algal symbionts: implications for reef monitoring and risk assessment. *Anuário do Instituto de Geociências – UFRJ*, 29(1): 108-128.
66. Pichler, T., Amend, J. P., Garey, J., Hallock, P., Hsia, N. P., Karlen**, D. J., Meyer-Dombard, D. R., McCloskey*, B. J., and Price**, R. E. 2006. A natural laboratory to study arsenic geobiocomplexity. *EOS* 87(23): 221,225.
67. Crevison*, H., Hallock, P. 2007. Anomalous features observed on tests of live Archaean foraminifers from the Florida Keys, USA. *Journal of Foraminiferal Research* 37(3):223-233.
68. Fisher* EM, Fauth JE, Hallock P, Woodley CM 2007. Lesion regeneration rates in reef-building coral *Montastraea* spp. as indicators of colony condition. *Marine Ecology Progress Series* 339:61-71
69. Pomar, L., Hallock, P. 2007. Changes in coral-reef structure through the Miocene in the Mediterranean province: Adaptive versus environmental influence. *Geology* 35:899-902.
70. Sammarco, P.W. Hallock, P., Lang, J. C., LeGore, R. S. 2007. Roundtable Discussion Groups Summary Papers: Environmental Bio-Indicators in Coral Reef Ecosystems: The Need to Align Research, Monitoring, and Environmental Regulation. *Environmental Bioindicators* 2(1):35-46.
71. Carnahan*, E.A., A.M. Hoare*, P. Hallock, B.H. Lidz, C.D. Reich. 2008. Distributions of Heavy Metals and Foraminiferal Assemblages in Sediments in Biscayne Bay, Florida, USA. *Journal of Coastal Research* 24(1):159-169.
72. Dupont*, J.M., Jaap, W.C., Hallock, P. 2008. A Retrospective Analysis and Comparative Study of Stony Coral Assemblages in Biscayne National Park (1977-2000). *Journal of Caribbean Research* 44(3): 334-344.
73. Mateu-Vicens*, G., P. Hallock, and M. Brandano. 2008. Depositional model and paleoecological reconstruction of the Lower Tortonian distally steepened ramp of Menorca (Balearic Islands, Spain). *Palaios* 23:465-481.
74. Palandro**, D.A., Andréfouët, S., Hu, C., Hallock, P., Muller-Karger, F.E., Dustan, P., Brock, J.C., Callahan*, M.K., Kranenburg, C., Beaver, C.R. 2008. Quantification of two decades of coral reef habitat decline in the Florida Keys National Marine Sanctuary using Landsat data (1984-2002). *Remote Sensing of Environment* 112:3388-3399.
75. Pomar, L., P. Hallock. 2008. Carbonate Factories: A Conundrum in Sedimentary Geology. *Earth Science Reviews* 87: 134-169.
76. Carnahan*, E.A., A.M. Hoare*, P. Hallock, B.H. Lidz, C.D. Reich. 2009. Foraminiferal Assemblages in Biscayne Bay, Florida, USA: Responses to Urban and Agricultural Influence in a Subtropical Estuary. *Marine Pollution Bulletin* 59:221-233.
77. Baker*, R.D., Hallock, P., Moses*, E.F., Williams*, D.E., Ramirez*, A. 2009. Larger foraminifers of the Florida Reef Tract, USA: Distribution patterns on reef-rubble habitats. *Journal of Foraminiferal Research* 39:267-277.

Articles in Refereed Journals (cont.)

78. *Martinez-Colon**, M., Hallock, P., Green-Ruiz, C. 2009. Potentially toxic elements and strategies for use of shallow water benthic foraminifers as bio-indicators: A review. *Journal of Foraminiferal Research* 39(4):278-299.
79. Dupont*, J., Hallock, P., Jaap, W.C. 2010. Ecological Impacts of the 2005 Red Tide on Artificial Reef Epibenthic Macroinvertebrate and Fish Communities in the Eastern Gulf of Mexico. *Marine Ecology Progress Series* 415:189-200.
80. *Martinez-Colon**, M., Hallock, P. 2010. Preliminary Survey on Foraminiferal Responses to Pollutants in Torrecillas Lagoon, Puerto Rico. *Caribbean Journal of Science* 46(1):106-11 (R)
81. Souder*, H.C., McCloskey*, B.J., Hallock, P., and Byrne, R. 2010. Shell anomalies observed in a population of *Archaias angulatus* (Foraminifera) from the Florida Keys (USA) sampled in 1982-83 and 2006-07. *Marine Micropaleontology*, 77:71-81.
82. Anderson*, K.L., Hallock, P. 2011. Comparisons of foraminiferal assemblages from three kinds of substrata, Durney Key, West-Central Florida, USA. *Journal of Environmental Science and Engineering* 5:1238-1244.
83. Hallock, P. 2011. Modern coral reefs under global change: New opportunities to understand carbonate depositional hiatuses. In Stanley, G.D., Jr. (ed), *Coral and Reefs: Crises, Collapse and Change*, The Paleontological Society Papers, 17:121-130.
84. Hoy, J.A., Haas, G.T., Hoy, R.D., Hallock, P. 2011. Observations of brachygnathia superior in wild ruminants in western Montana, USA. *Wildlife Biology in Practice* 7(2): doi:10.2461/wbp.2011.7.13
85. Koukousioura**, O., Dimiza, M.D., Triantaphyllou, M.V., Hallock, P. 2011. Living benthic foraminifera as an environmental proxy in coastal ecosystems: A case study from the Aegean Sea (Greece, NE Mediterranean). *Journal of Marine Systems* 88:489-501.

86. Soto**, I.M., Muller Karger, F.E., Hallock, P., Hu, C. 2011. Sea surface temperature variability in the Florida Keys and its relationship to coral cover. *Journal of Marine Biology* 2012: doi:10.1155/2012/981723.
87. Walker*, R., Hallock, P., Torres, J.J., Vargo, G.A. 2011. Photosynthesis and respiration in five species of benthic foraminifera that host algal endosymbionts. *Journal of Foraminiferal Research*. 41(4):314-325.
88. Ayoub*, L.M., Hallock, P., Coble, P.G., Bell, S.S. 2012. MAA-like absorbing substances in Florida Keys phytoplankton vary with distance from shore and CDOM: Implications for coral reefs. *JEMBE* 420:91-98. DOI: 10.1016/j.jembe.2012.03.026

89. Morsilli, M., Bosellini, F.R., Pomar, L., Hallock, P., Aurell, M., Papazzoni, C.A. 2012. Mesophotic coral buildups in a prodelta setting (Late Eocene, southern Pyrenees, Spain): a mixed carbonate-siliciclastic system. *Sedimentology*, 59 (3):766-794. DOI: 10.1111/j.1365-3091.2011.01275.x
90. Pomar, L., Morsilli, M., Hallock, P., Bádenas, B. 2012. Internal waves, an under-explored source of turbulence events in the sedimentary record. *Earth-Science Reviews* 111(1-2): 56-81. DOI: 10.1016/j.earscirev.2011.12.005.
91. Triantaphyllou, M.V., Dimiza, M.D., Koukousioura**, O., Hallock, P. 2012. Observations on the life cycle of the symbiont-bearing foraminifer *Amphistegina lobifera* Larsen, an invasive species in coastal ecosystems of the Aegean Sea (Greece, E Mediterranean). *Journal of Foraminiferal Research* 42(2): 143-150.
92. Kelmo, F., Hallock, P. 2013. Responses of foraminiferal assemblages to ENSO climate patterns on bank reefs of northern Bahia, Brazil: A 17-year record Ecological Indicators. 30:148-157.
93. McIntyre-Wressnig, A., Bernhard, J.M., McCorkle, D.C., Hallock, P. 2013. Non-lethal effects of ocean acidification on the symbiont-bearing benthic foraminifera *Amphistegina gibbosa*. *Marine Ecology Progress Series* 472:45-60.
94. Wirt*, K., Hallock, P., Palandro, D., Daly, K. 2013. Potential habitat of *Acropora* spp. on Florida reefs. *Applied Geography* 39:118-127.
95. Barnes**, B.B., Hu, C., Cannizzaro, J.P., Craig, S.E., Hallock, P., Jones, D.L., Lehrter, J.C., Melo, N., Schaeffer, B.A., Zepp, R. 2014. Estimation of diffuse attenuation of ultraviolet light in optically

shallow Florida Keys waters from MODIS measurements. Remote Sensing of Environment 140: 519–532.

Articles in Refereed Journals (cont.)

96. Drexler*, M.D., Parker, M.L., Geiger, S.P., Arnold, W.S., Hallock, P. 2014. Population biology of the Eastern Oyster (*Crassostrea virginica*) inhabiting reef, mangrove, seawall, and restoration substrates. *Estuaries and Coasts* 37:962-972. DOI 10.1007/s12237-013-9727-8.
97. Oliver, L.M., Fisher, W.S., Dittmar, J., Hallock, P., Campbell, J., Quarles, R.L., Harris, P., LoBue, C. 2014. Contrasting responses of coral reef fauna and foraminiferal assemblages to human influence in La Parguera, Puerto Rico. *Marine Environmental Research*, 99:95-105.
98. Ross*, B.J., Hallock, P. 2014. Chemical toxicity on coral reefs: bioassay protocols utilizing benthic foraminifers. *Journal of Experimental Marine Biology and Ecology*. 457:226-235.
99. Stephenson*, C.M., Hallock, P., Kelmo, F. 2014. Foraminiferal Assemblage Indices: A Comparison of Sediments and Reef Rubble Samples from Conch Reef, Florida USA. *Ecological Indicators* 48: 1–7.
100. Barnes**, B.B., Hallock, P., Hu, C., Muller-Karger, F., Palandro, D., Walter, C., and Zepp, R. 2015. Prediction of coral bleaching in the Florida Keys using remotely sensed data. *Coral Reefs*, 34:491-503.
101. Engel*, B.E., Hallock, P., Price**, R.E., Pichler, T. 2015. Shell dissolution in larger benthic foraminifers exposed to pH and temperature extremes: results from an *in situ* experiment. *Journal of Foraminiferal Research* 45(2): 190-203.
102. Knorr**, P.O., Robbins, L.L., Harries, P.J., Hallock, P., Wynn, J. 2015. Response of the miliolid *Archaias angulatus* to simulated ocean acidification. *Journal of Foraminiferal Research* 45(2): 109-127.
103. Vega-Rodriguez**, M., Müller-Karger, F.E., Hallock, P., Quiles-Perez, G.A., Eakin, C.M., Colella, M., Jones, D.L., Li, J., Soto**, I., Guild, L., Lynds, S., Ruzicka. 2015. Influence of water-temperature variability on stony coral diversity of Florida Keys patch reefs. *Marine Ecology-Progress Series*, 528: 173-186.
104. Wirt*, K.E., Hallock, P., Palandro, D., Semon Lunz, K. 2015. Potential Habitat of *Acropora* spp. on Reefs of Florida, Puerto Rico, and the U.S. Virgin Islands. *Global Ecology and Conservation*, 3(1):242-255.
105. Dimiza, M.D., Triantaphyllou, M.V., Koukousioura, O., Hallock, P., Simboura, N., Karageorgis, A.P., Papatthanasiou, E. 2016. The Foram Stress Index: A new tool for environmental assessment of soft-bottom environments using benthic Foraminifera. A case study from the Saronikos Gulf, Greece, Eastern Mediterranean. *Ecological Indicators* 60:611-621.
106. Netchy*, K., Hallock, P., Lunz, K.S., Daly, K.L. 2016. Epibenthic mobile invertebrate diversity organized by coral habitat in Florida. *Marine Biodiversity*. 46:451-463.
107. Ross*, B.J., Hallock, P. 2016. Dormancy in the Foraminifera: A Review. *Journal of Foraminiferal Research* 46: 358-368.
108. Pisapia, C., El Kateb, A., Hallock, P., Spezzaferri, S. 2017. Assessing coral reef health in the North Ari Atoll (Maldives) using the FoRAM Index. *Marine Micropaleontology*, 133 : 50-57.
109. Pomar, L., Baceta, J.I., Hallock, P., Mateu-Vicens, G., Basso, D. 2017. Reef building and carbonate production modes in the west-central Tethys during the Cenozoic. *Marine and Petroleum Geology* 83: 261-304.
110. Robbins, L.L., Knorr**, P.O., Wynn, J.G., Hallock, P., and Harries, P.J. 2017. Interpreting the role of pH on stable isotopes in benthic foraminifera: Challenges of phylogeny, ontogeny and algal symbiosis. *ICES Journal of Marine Science*, doi:10.1093/icesjms/fsw056.
111. Stuhr**, M., Reymond, C.E., Rieder, V., Hallock, P., Rahnenfuhrer, J., Westphal, H., Kucera, M., 2017, Reef calcifiers are adapted to episodic heat stress but vulnerable to sustained warming. *Plos One*, 20 pp., <https://doi.org/10.1371/journal.pone.0179753>
112. Waters*, H., Hallock, P. 2017. Chlorophyll fluorescence as an indicator of thermal stress in the large benthic foraminifer *Archaias angulatus*. *Journal of Foraminiferal Research*, 47(3): 239-251.
113. Mendez-Ferrer*, N., Hallock, P., Jones, D. 2018. Photochemical efficiencies of diatom symbionts in hospite in *Amphistegina gibbosa* (Foraminifera) across seasons in the Florida Keys, USA. *Journal of Foraminiferal Research*, 48(1): 4–16.
114. Spezzaferri, S., El Kateb, A., Pisapia, C., and Hallock, P. 2018. In situ observations of foraminiferal bleaching in the Maldives, Indian Ocean. *Journal of Foraminiferal Research*, 48(1): 73–82.

Articles in Refereed Journals (cont.)

115. *Martínez-Colón**, M., Hallock, P., Green-Ruíz, C.R., Smoak, J.M. 2018. Benthic foraminifera as bioindicators of potentially toxic element (PTE) pollution: Torrecilla Lagoon (San Juan Bay Estuary), Puerto Rico. *Ecological Indicators* (in press).

Manuscripts Submitted/Date or Accepted/Date:

1. Ames*, K. W., L. McEachron, K. Semon Lunz, P. Hallock. Prioritizing suitable restoration sites for the threatened *Acropora cervicornis* along the Florida Reef Tract using species distribution modeling. Submitted to *Restoration Ecology* 05/2017, in revision.
2. Haller, C., Hallock, P., Hine, A.C., and Smith, C.G., Benthic foraminifera from the Carnarvon Ramp reveal variability in Leeuwin Current activity (Western Australia) since the Pliocene. Submitted to *Marine Geology*
3. *Martínez-Colón**, M., Hallock, P., Green-Ruíz, C.R., Smoak, J.M. Temporal variability in potentially toxic elements (PTEs) and benthic Foraminifera in an estuarine environment in Puerto Rico. *Micropaleontology Journal* (Submitted 12/2017)
4. Stuhr**, M., Meyer, A., Reymond, C.E., Narayan, G.R., Rieder, V., Rahnenfuhrer, J., Kucera, M., Westphal, H., Hallock, P., Thermal-stress response and symbiont assemblages in two reef-associated foraminifera *Amphistegina gibbosa* and *A. lessonii*. Submitted to *Coral Reefs* (12/2017).

Book Chapters/Encyclopedia Sections

1. Jaap, W.C. and P. Hallock. 1990. Coral Reefs. In *Ecosystems of Florida*, R. L. Myers and J. J. Ewel, eds., University of Central Florida Press, Orlando, pp. 574-616. (R)
2. Hallock, P., R. Röttger and K. Wetmore. 1991. Hypotheses on form and function in foraminifera. *Biology of the Foraminifera*, J. J. Lee and O. R. Anderson, eds., Academic Press, pp. 41-72. (R)
3. Hallock, P., F. E. Muller-Karger, and J. C. Halas, 1993, Anthropogenic nutrients and the degradation of western Atlantic and Caribbean Coral Reefs, National Geographic Research and Exploration, Vol. 9(3), pp. 358-378, reprinted in *Oceanography - Contemporary Readings in Ocean Sciences*, Third Edition, R. G. Pirie, editor, Oxford University Press, p. 232-249. (R)
4. Hallock, P. 1996. Chapter I. Reefs and Reef Limestones in Earth History, p. 13-42. In *Life and Death of Coral Reefs*, C. Birkeland (ed), Chapman-Hall Science, New York. (R)
5. Boersma, A., I. Premoli Silva, and P. Hallock. 1998. Trophic models for the well mixed and poorly mixed warm oceans across the Paleocene/Eocene Epoch boundary. In M-P. Aubry, S. Lucas, and W.A. Berggren (eds.) *Late Paleocene-Early Eocene Climatic and Biotic Evolution*, pp. 204-213, Columbia University Press, New York. (R)
6. Droxler, A. W.; Burke, K. C.; Cunningham, A. D.; Hine, A. C.; Rosenkrantz, E.; Duncan**, D. S.; Hallock, P. and Robinson, E. 1998. Caribbean constraints on circulation between Atlantic and Pacific Oceans over the past 40 million years: In Crowley, T.J. et al. (eds), *Tectonic boundary conditions for climate reconstructions* Oxford Monographs on Geology and Geophysics, 39, p. 169-191. (R)
7. Hallock, P. 1999 and 2002. Chapter 8. Symbiont-bearing foraminifera. In Sen Gupta, B. (ed) *Modern Foraminifera*, Kluwer Press, Amsterdam, p. 123-139. (R)
8. Hallock, P. 2000. Larger Foraminifera as Indicators of Coral-Reef Vitality. In Martin, R. (ed.), *Environmental Micropaleontology*, Plenum Press Topics in Geobiology, p. 121-150. (R)
9. Hallock, P. 2001. Coral Reefs, Carbonate Sedimentation, Nutrients, and Global Change. In Stanley, G. D. (ed) *The History and Sedimentology of Ancient Reef Ecosystems*. Kluwer Academic/Plenum Publishers, pp. 387-427. (R)

Book Chapters/Encyclopedia Sections (cont.)

10. Hallock, P. 2004. Evolution and function of coral reef ecosystems , in *Earth System: History and Natural Variability*, [Ed. Vaclav Cilek], in *Encyclopedia of Life Support Systems (EOLSS)*, UNESCO, Eolss Publishers, Oxford ,UK, [<http://www.eolss.net>] (R)
11. Loeblich, A.R., Jr. (deceased) and P. Hallock. *Nummulites*. In *McGraw-Hill Encyclopedia of Science and Technology*, 10th Edition. [revision of section originally written 20+ years ago by Prof. Loeblich]
12. Hallock, P., Sheps*, K., Chaproniere, G.C.H., and Howell, M. 2006. Larger benthic foraminifers of the Marion Plateau, NE Australia (ODP Leg 194): Comparison of faunas from bryozoan (Site 1193, 1194) and red-algal (Site 1196-98) dominated carbonate platforms. *Proceedings of the Ocean Drilling Program Scientific Results*, Volume 194, Chapter 2, p. 1-31. (R)
13. Mateu-Vicens*, G., P. Hallock, and M. Brandano. 2009. Test shape variability of *Amphistegina* d'Orbigny 1826 as a paleobathymetric proxy: application to two Miocene examples. In: T. Demchuk & A. Gary (Eds.) SEPM Spec. No. 93, *Geologic Problems Solving with Microfossils*, p. 67-82. (R)
14. Hallock, P. 2011. FORAM Index. In D. Hopley (ed.), *Encyclopedia of Modern Coral Reefs*, Springer, Heidelberg, p. 415-416.(R)
15. Hallock, P. 2011. Foraminifera. In D. Hopley (ed.), *Encyclopedia of Modern Coral Reefs*, Springer, Heidelberg, p. 416-421. (R)
16. Hallock, P. 2011. Foraminifera are useful indicators of environmental conditions of coral reefs. In W.L. Kruczynski and P. J. Fletcher (eds) 2011. *Tropical Connections: Facts about south Florida's marine environment*. IAN Press, University of Maryland Center for Environmental Science, Cambridge, Maryland. p. 204. (R)
17. Hallock, P. 2015. Changing influences between life and limestones in Earth history, in Birkeland, C. (ed.), *Coral Reefs in the Anthropocene*, Springer, Dordrecht, p. 17–42. (R)
18. Moses*, E.F., Hallock, P. 2016. Chapter 35. Coral Regeneration Assay. In Woodley, C.M. et al. (eds) *Diseases of Coral*. Wiley-Blackwell, Boston, MA, p. 473-482. (R)
19. Naidu**, R., Hallock, P., Erez, J., Maata, M., 2017. Response of *Marginopora vertebralis* (Foraminifera) from Laucala Bay, Fiji, to Changing Ocean pH. P. 137-150, in Filho, W.L. (ed.), *Climate Change Adaptation in Pacific Countries*. Springer, Heidelberg, DOI: 10.1007/978-3-319-50094-2_8.
20. Moses*, E.F., Hallock, P., and Fauth, J. 2017. Dynamics of larger benthic foraminiferal populations in the upper Florida Keys Reef Tract, USA: Comparisons with other coral reef bioindicators. p. 15-39, in Kathal, P.K., Nigam, R., and Talib., A. (eds.), *Micropaleontology and its Applications*, Scientific Publisher, New Delhi, 342 pp. (ISBN 978-93-8665-209-6).
21. Bartlett, L.A., Brinkhuis, V.I.P., Ruzicka, R. R., Colella, M. A., Semon Lunz, K., Leone, E.H., and Hallock, P. (in press) Dynamics of Stony Coral and Octocoral Juvenile Assemblages following Disturbance on Patch Reefs of the Florida Reef Tract. in *Coral*s, InTechOpen, ISBN 978-953-51-5275-0.

Articles in Symposia and Conference Proceedings [refereed marked (R)]

1. Muller, P. Hallock. 1976. Sediment production by shallow-water, benthic foraminifera at selected sites around Oahu, Hawaii. *Maritime Sediments Special Publication* 1:263-265. (R)
2. Hallock, P. 1982. Evolution and extinction in larger foraminifera. *Third North American Paleontological Convention, Proceedings* 1:221-225.
3. Hallock, P. 1988. Diversification in algal symbiont-bearing foraminifera: a response to oligotrophy? *Revue de Paleobiologie, Vol. Spec. No. 2 (Benthos '86)*:789-797.
4. Hallock, P. 1988. Notes on coiling direction in trochospiral benthic foraminifera. *Revue de Paleobiologie, Vol. Spec. No. 2 (Benthos '86)*:799-802.
5. Hallock, P. 1988. Interoceanic differences in foraminifera with symbiotic algae: A result of nutrient supplies? *Proceedings of the Sixth International Coral Reef Symposium, Townsville, Australia, 8th-12th August 1988, Vol. 3, p. 251-255.*(R)
6. Hallock, P. and J. A. Elrod. 1988. Oceanic chlorophyll around carbonate platforms in the western Caribbean: Observations from CZCS data. *Proceedings of the Sixth International Coral Reef Symposium, Townsville, Australia, 8th-12th August 1988, Vol. 2, p. 449-454.* (R)
7. Hallock, P., W. C. Jaap, K. Boomer-Donnelly *and A. C. Hine. 1990. Research diving on remote shoals of the Nicaraguan Rise, Southwest Caribbean. *Proceedings of the 10th Annual Diving Symposium, Diving for Science...1990, W. C. Jaap, ed., American Association of Underwater Sciences, Costa Mesa, California, pp. 139-145.*
8. Hallock, P., E. M. Cockey*, and H. K. Talge*. 1992. Aquarius habitat site at Conch Reef: Possibilities for research on foraminifera with algal symbionts. *Proceedings of the 12th Annual Scientific Diving Symposium, Diving for Science...1992, L. B. Cahoon, ed., American Association of Underwater Sciences, Costa Mesa, CA, pp. 93-98.*
9. Hallock, P., H. K. Talge*, K. Smith* and E. M. Cockey*. 1993. Bleaching in a Reef-Dwelling Foraminifer, *Amphistegina gibbosa*. *Proceedings of the 7th International Coral Reef Symposium, Guam, June 1992, pp. 42-47.* (R)
10. Talge*, H. and P. Hallock. 1993. Observations of Symbiont Loss in Benthic Foraminifera. *The Journal of Scanning Microscopy, Vol. 15, Suppl. III, pp. 86-88.*
11. Hallock, P. and H. K. Talge*. 1994. Symbiont loss ("bleaching") in the reef-dwelling benthic foraminifer *Amphistegina gibbosa* in the Florida Keys in 1991-92 , *in* R. N. Ginsburg, (compiler,) *Proceedings on the Colloquium on Global Aspects of Coral Reefs: Health, Hazards and History, 1993, RSMAS, University of Miami, FL, USA, p. 94-100.*
12. Yanko, V., V. Bresler, and P. Hallock. 1994. Defense and transport systems against xenobiotics in some benthic foraminifera. *Israeli Journal of Zoology, 40:114.*
13. Hallock, P. 1996. *Amphistegina* (Foraminiferida) densities as a practical, reliable, low-cost indicator of coral reef vitality. In Crosby, M.P., G.R. Gibson, and K.W. Potts (eds) *A Coral Reef Symposium on Practical, Reliable, Low-Cost Monitoring Methods for Assessing the Biota and Habitat Conditions of Coral Reefs, January 26-27, 1995. Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration, Silver Spring, MD. pp. 37-44.*
14. Talge*, H.K., D.E. Williams*, P. Hallock, and J.N. Harney*. 1997. Symbiont loss in reef foraminifera: Consequences for affected populations. *Proceedings of the 8th International Coral Reef Symposium, Panama, June 1996, 1:589-594.* (R)
15. Lidz, B.H. and Hallock, P., 1998, Skeletal grains in the Florida Keys-Proxy indicators for reef vitality and new evidence of reef decline: *American Association of Petroleum Geologist, Extended Abstracts, v. 2 (K-Z), A403, p. 1-4.*
16. Hallock, P. 2000. Diving in graduate education: The past and the future. *Proceedings: "Diving for Science in the 21st Century, 20th Annual Meeting of the American Academy for Underwater Sciences, October 12-14, 2000, St. Pete Beach, Florida. p. 47-48.*

Articles in Symposia and Conference Proceedings (cont.)

17. Jacukiewicz*, J. and P. Hallock. 2000. Foraminifera in lagoon sediments of Glover's Reef Atoll: Have Assemblages changed since 1970? Proceedings: "Diving for Science in the 21st Century, 20th Annual Meeting of the American Academy for Underwater Sciences, October 12-14, 2000, St. Pete Beach, Florida. p. 23-24.
18. Hallock, P., 2001, Coral reefs in the 21st century: Is the past the key to the future? In, Greenstein B. J. and Carney, C. K., eds., *Proceedings of the 10th Symposium on the Geology of the Bahamas and other Carbonate Regions*, pp. viii-xxiii. Gerace Research Center, San Salvador, Bahamas. (R)
19. Hallock, P. 2001. Larger foraminifers as contributors to carbonate beach sands. Carbonate Beaches 2000, Key Largo, FL, 12/5-8/2000, Proceedings, COPRI/American Society of Civil Engineers, p. 97-98.
20. Lidz, B.H., and P. Hallock. 2001. Testing a multi-tiered stress-gradient model for risk assessment using sediment constituents from coral reef environments. Carbonate Beaches 2000, Key Largo, FL, Proceedings, COPRI/American Society of Civil Engineers, 202-203.
21. Hallock, P., Lidz, B.H., Cockey-Burkhard*, E.M., and Donnelly*, K.B. 2003. Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index. In Melzian, B.D., et al. (eds), *Coastal Monitoring Through Partnerships, Proceedings of the Fifth Symposium on the Environmental Monitoring and Assessment Program (EMAP)*, Kluwer Academic Publishers, Dordrecht/Boston/London, p. 221-238. (R)
22. Hallock, P., D.E. Williams*, S.K. Toler*, E.M. Fisher*, and H.K. Talge*. 2006. Bleaching in reef-dwelling foraminifers: implications for reef decline. Proceedings, 10th International Coral Reef Symposium, Okinawa, Japan, June 2004. pp. 729-737. (R)
23. Hallock, P. 2008. Using Foraminifers as Bioindicators for Coral Reefs and Other Tropical Coastal Environments: the Potential and the Challenges. Proc. 5th International EMMM Conference, Chennai, India, February 17 - 25, 2008, pp. 110-112.
24. Carnahan*, E.A., A.M. Hoare*, P. Hallock, B.H. Lidz, C.D. Reich. 2008. Response of Foraminiferal Assemblages to Pollution Sources in a Subtropical Estuary, Biscayne Bay, Florida, USA. Proc. 5th International EMMM Conference, Chennai, India, February 17 - 25, 2008, pp. 67-71.
25. Ayoub*, L., Hallock, P., Coble, P. 2009. Colored Dissolved Organic Material Increases Resiliency of Coral Reefs by Controlling Exposure to UVR. Proc. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, 7-11 July 2008, 16: 572-576. (R)
26. Hallock, P., Pomar. L. 2009. Cenozoic Evolution of Larger Benthic Foraminifers: Paleooceanographic Evidence for Changing Habitats. Proc. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, 7-11 July 2008, 1:16-20. (R)
27. Moustafa*, Z., Hallock, P., Moustafa, Z., Moustafa, M.S. 2009. Observations of a Red Sea Fringing Coral Reef under Extreme Environmental Conditions: A Four-Year Study. Proc. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, 7-11 July 2008, 18:780-784. (R)
28. Peters*, M., Palandro, D., Hallock, P., Shinn, E. 2009. Assessing patterns of patch reef distribution in the Lower Florida Keys, USA, using IKONOS satellite imagery. Proc. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, 7-11 July 2008, 17:672-676. (R)
29. Ramirez*, A., Daniels*, C., Hallock, P. 2009. Applications of the SEDCON and FORAM Indices on patch reefs in Biscayne National Park, FL USA. Proc. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, 7-11 July 2008, 4:77-81. (R)
30. Hallock, P. 2012. The FORAM Index revisited: Usefulness, challenges and limitations. Proc. International Coral Reef Symposium, Cairns, Australia, July 9-13, 2012. http://www.icrs2012.com/proceedings/manuscripts/ICRS2012_15F_2.pdf (R)

Other Published Articles [refereed marked (R)]

1. Hallock, P. 1985. Future farmers of the sea. *Natural History* 94:60-67. (R)
2. Hallock, P. 1990. Nutrient pollution in coastal systems—Can it be stopped? *Underwater Naturalist* 19:5-18
3. Hallock, P. 1992. Aquarius habitat site at Conch Reef: on foraminifera with algal symbionts: <http://archive.rubicon-foundation.org>, p. 93–98.
4. Hallock, P. 1995. Promoting foraminiferal research. *Journal of Foraminiferal Research*, 25: 186-187.
5. Hallock, P. 1997 Cushman Award Winner - Lukas Hottinger. *Journal of Foraminiferal Research*, 28:1-2.
6. Hallock Muller, P. 1999. Salary Inequities at USF. *Gaea*, Vol. XXII (1) 1,4.
7. Hallock, P. 2000. 1999 Cushman Award Winner: John J. Lee. *Journal of Foraminiferal Research*, 3:1-2.
8. Hallock, P., M. Dotherow McField, and S. Samson. 1999. The prototype radiometer that survived Hurricane Georges. *The Slate*, A News Publication of the American Academy of Underwater Sciences. October 1999, p. 1.
9. Hallock, P. 2008. Memorial to Johanna Martha Resig (1932-2007). *Journal of Foraminiferal Research* 38(1): 90-91.

Books, Guidebooks or Special Volumes Edited

1. Jons, R. D., P. Hallock and W. R. Gibson (eds.). 1981. Marathon-Marfa Region of west Texas symposium and guidebook. Permian Basin Section - Society of Economic Paleontologists and Mineralogists Publ. 81-20, 227 pp.
2. Cromwell, D., P. Hallock and M. van der Loop (eds.). 1982. Middle and Upper Pennsylvanian System of north-central and west Texas (outcrop to subsurface). Permian Basin Section - Society of Economic Paleontologists and Mineralogists. Publ. 82-21, 284 pp.
3. Hallock, P., and French, L. (eds.). 2000. Diving for Science in the 21st Century. Proceedings, 20th Annual Symposium of the American Academy for Underwater Science, Nahant, Massachusetts, 69 pp.
4. Lee, J.J. and P. Hallock (eds). 2000. Advances in the Biology of Foraminifera. *Micropaleontology* Vol. 46, supplement 1, 198 pp.
5. Yanko-Holmbach, V., Arnold, A., Hallock, P., Ishman, S. McGann, M., and Parker, W.C. 2002. EMMM'2002, The Third International Congress "Environmental Micropaleontology, Microbiology and Meiobenthology", Vienna, Austria, 09/02/02, Program and Abstracts, 232 pp..

Book Reviews

1. Hallock, P. 1987. *The Gulf of Aqaba - Ecological Micropaleontology*. Reiss, Z., and L. Hottinger, Carbonates and Evaporites 2(1):85-86.
2. Hallock, P. 1992. *Upper Cretaceous Stratigraphy of the Island of Brac*. Gusic, I. and V. Jelaska. Palaios 7(1):125-127.
3. Hallock, P. 1995. *Radial Foraminifera; Morphometrics and Evolution*, C. W. Drooger, Marine Micropaleontology 24(3/4):359-360.
4. Hallock, P. 1995. *Elsevier's Microfossil Wall Chart*, compiled by F. G. Koning. Palaeogeography, Palaeoclimatology, Palaeoecology 113:395-396.
5. Hallock, P. 1998. *Cool-Water Carbonates*, edited by N.P. James, SEPM Special Publication No. 56. EOS 79(1):4.
6. Hallock Muller, P. 1999. *What is Natural? Coral Reef Crisis*, J. Sapp. American Paleontologist 7:9-10.
7. Hallock, P. 2010. *Taxonomy of Foraminifera from Ningaloo Reef, Western Australia*, by Justin H. Parker. 2009, Journal of Foraminiferal Research, 40(3): 601-602.

Technical Reports

1. Miller, J. N., P. Hallock Muller and A. L. Char. 1975. Water quality information storage and retrieval system for Hawaii. Final Report, Phase III. University of Hawaii Water Resources Research Center Technical Memorandum No. 43, 134 pp.
2. Muller, P. Hallock. 1975. The distribution and sediment production by shallow-water foraminifera at selected sites on Oahu. Final project report to the Environmental Center, University of Hawaii, 9 pp.
3. Muller, P. Hallock. 1976. The distribution of foraminifera in the vicinity of the present and proposed outfalls and the present and predicted effects of the Kahe Power Plant hot water outfall on the benthic foraminiferal community. Report prepared for Hawaiian Electric Company, Inc., 30 pp.
4. Muller, P. Hallock. 1977. Distribution of foraminifera in the vicinity of the Kahe offshore outfall. Report prepared for Hawaiian Electric Company, Inc., 10 pp.
5. Muller, Pamela Hallock. 1979. Depth adaptation in *Heterostegina*: changes in test shape. Final report to Deutscher Akademischer Austauschdienst, 4 pp.
6. Glenn, C. and P. Hallock. 1982. Numerical analysis of foraminiferal assemblages: a tool for recognizing depositional facies in Lower Miocene reef complexes. Part II. Foraminiferal biofacies of the cores of the NIDO B-1 and NIDO B-3A wells, offshore Palawan, the Philippines. Cities Service Company ERG Research Report #119 (G82-32), 102 pp.
7. Hallock, P. and C. Glenn. 1982. Numerical analysis of foraminiferal assemblages: a tool for recognizing depositional facies in Lower Miocene reef complexes. Part I. Foraminiferal biofacies of Matinloc 2 and Libro 1 Lower Miocene cores, offshore Palawan, the Philippines. Cities Service Company ERG Research Report #113 (G82-22), 85 pp. Tulsa, Oklahoma.
8. Hallock, P. and C. Glenn. 1982. Identification of carbonate depositional facies using larger foraminifera. Cities Service Company ERG Research Report #122, 51 pp.
9. Muller, P. Hallock. 1982. Odessa's Meteor Crater. Text for educational brochure printed by the Odessa, Texas, Chamber of Commerce.
10. Hallock, P. 1987. Oceanic chlorophyll around carbonate platforms of the western Caribbean: variability from CZCS data. Work summary prepared for NASA/ASEE Summer Faculty Fellowship Program, Goddard Space Flight Center, 1 p.
11. Jaap, W. C. and P. Hallock. 1990. Coral Reefs. OCS Study MMS 90-0019, Synthesis of Available Biological, Geological, Chemical, Socioeconomic and Cultural Resource Information for the South Florida Area. Contract No. 14-12-0001-30417 with Continental Shelf Associates, Inc., pp. 97-116, with references pp. 141-153.
12. Hallock Muller, P. 1998. Foraminifera as Ecosystem Indicators: Phase 1--A Marine Benthic Perturbation Index; Phase 2--Bioassay Protocols. Proceedings, 1996/97 STAR Grants Ecological

Assessment/Ecosystem Indicators Program Review, February 3-5, 1998, Las Vegas, Nevada. U.S. Environmental Protection Agency, p. 9-10.

Technical Reports

13. Hallock Muller, P. 1999. Gender Disparities in Salaries of Full Professors at the University of South Florida in 1998: Evidence, Consequences, and Recommendations for Solutions. Unpublished report to the University of South Florida, January 1999.
14. Hammond, M.A., N.J. Blake, C.W. Dye, P. Hallock-Muller, M.E. Luther, D.A. Tomasko, and G. Vargo. 2000. Effects of Disposal of Seawater Desalination Discharges on Nearshore Benthic Communities. Southwest Florida Water Management District, 180 pp, Appendices A-E.
15. Shipboard Scientific Party, 2001. Leg 194 Preliminary Report. ODP Prelim. Rpt., 94 [Online]. Available from World Wide Web:<http://www.odp.tamu.edu/publications/prelim/194_prel/194PREL.PDF>.
16. Crevison, H.L. and P. Hallock. 2002. Foraminifers as Bioindicators: Key Subtropical and Western Atlantic Taxa. On Compact Disc and website: (http://www.marine.usf.edu/reefslab/foram/html_files/titlepage.htm)
17. Hallock, P. 2002. Foraminifera as Ecosystem Indicators. U.S. EPA-NCERQA Star Grant – Final Report, Grant # R82-5869.
18. Hallock, P., Robbins, L., Larson, R., Beck, T., Schwing, P., Martínez-Colón, M. and Gooch, B. 2010, West Florida shelf: A natural laboratory for the study of ocean acidification: U.S. Geological Survey Open-File Report 2010-1134.
19. Hallock, P. 2011. B-Foraminiferal Assemblages Analysis, Solicitation Number: PR-NC-08-10520, U.S. Environmental Protection Agency

Grants and Contracts

- Distribution and sediment production by shallow-water foraminifera at selected sites on Oahu, Hawaii. Principal Investigator. The Environmental Center, University of Hawaii. July 1974 - June 1975; \$2,500.
- The distribution of foraminifera in the vicinity of the present and proposed outfalls of the Kahe Point Power Plant. Principal Investigator. Hawaiian Electric Company, Inc. May 1975 - August 1976; \$4,000.
- The effects of the Kahe offshore outfall on benthic foraminifera. Principal Investigator. Hawaiian Electric Company, Inc. January - October 1977; \$1,500.
- Coiling direction in *Amphistegina*. Co-investigator. Danish Natural Science Research Council, Copenhagen, Denmark. January - April 1978; 2,400 DKr.
- Depth adaptation in *Heterostegina*: changes in test shape. Co-investigator. Deutscher Akademischer Austauschdienst, Bonn, Federal Republic of Germany. June - August 1979; 2,400 DM.
- The effects of vegetation on spectral signatures at Coyanosa Test Site. Principal Investigator. NASA/GEOSAT Test Case Program. July 1980 - December 1981; \$3,600.
- Paleodepth studies of symbiont-bearing, benthic foraminifera. Principal Investigator. National Science Foundation EAR-8026459. July 1981 - November 1983; \$30,000.
- Instrumentation for paleodepth studies of symbiont-bearing foraminifera. Principal Investigator. National Science Foundation PRM-8112906. July 1981 - June 1982; \$9,500.
- Environmental influence of test morphology in soritid foraminifera from Key Largo, Florida. Principal Investigator. University of South Florida Faculty Research and Creative Scholarship. March 1984 - May 1985; \$3,600.
- Comparison of living and total assemblages of larger foraminifera from middle and outer shelf habitats of the Tortugas area. Principal Investigator. Florida Institute of Oceanography (ship time on R/V Bellows). September 1984; \$9,250.
- Effects of particulate organic carbon on calcium carbonate deposition in Caribbean reef systems. Principal Investigator. National Science Foundation EAR-8407781. January 1985 - June 1987; \$85,400.
- Travel to the VII International Congress of Protozoology, Nairobi, Kenya, June 1985. University of South Florida Faculty Foreign Travel Fund; \$1,000.
- Image Analysis System, HPLC, and Liquid Scintillation Counter for the University of South Florida's Department of Marine Science. Co-principal Investigator. National Science Foundation BSR-8507343. August 1985 - July 1986; \$57,715.
- Florida Geology for Elementary Teachers. Seed Grant from the University of South Florida Center for Excellence in Mathematics, Science, Computers, and Technology. April - September 1986; \$1,000.
- Marine Micropaleontology Class Cruise, Fall 1986. Chief Scientist. Florida Institute of Oceanography (ship time on R/V Suncoaster). October 1986; \$5,250.
- Shallow Stratigraphy, Structure, and Modern Depositional Processes Along Margins of Small, Detached Carbonate Platforms in an Active Tectonic Setting: Nicaraguan Rise. Co-principal Investigator with A. C. Hine. National Science Foundation, Division of Ocean Sciences. January 1987 - June 1989; \$249,593.
- NASA/ASEE Summer Faculty Fellowship, Goddard Space Flight Center, Greenbelt, Maryland. Summer 1987; \$8,000 plus facilities use.
- Deployment of ROV Along Shallow Margins of Carbonate Platforms Situated on the Nicaraguan Rise: S.W. Caribbean Sea. Co-principal Investigator with A. C. Hine. NOAA National Undersea Research Program, equipment and technical assistance grant, May 1988.
- Travel to the 6th International Coral Reef Symposium, Townsville, Australia, August 1988. University of South Florida Faculty Foreign Travel Fund; \$750.

Travel to the Global Sedimentary Geology Program Cretaceous Resources, Events and Rhythms Workshops, Digne, France, September 1988. U. S. National Committee, Global Sedimentary Geology Program; \$1,505.

Grants and Contracts (cont.)

- Comparisons of optical properties and chlorophyll concentrations with carbonate sediment distributions: west Florida shelf. Principal Investigator. Florida Institute of Oceanography (shiptime on R/V Bellows). April 1989.
- Shallow Stratigraphy, Structure, and Modern Depositional Processes Along Margins of Small, Detached Carbonate Platforms in an Active Tectonic Setting: Nicaraguan Rise. Co-principal Investigator with A. C. Hine. National Science Foundation, Division of Ocean Sciences OCE-8900040. May 1989 - April 1992; \$163,126.
- Support for preparation of "Geology of Florida for Teachers" book manuscript. Principal Investigator. USF Center for Excellence in Mathematics, Science, Computers and Technology. 1989; \$2,600.
- Travel to Third International Conference on Paleoceanography, Cambridge, England, September 1989. Department of Earth Sciences, University of Milan, Italy; \$700.
- Carbonate Depositional Environments of the Dry Tortugas and Southwest Florida Shelf. Principal Investigator. Florida Institute of Oceanography (ship time on R/V Suncoaster). November 1990; \$7,200.
- Cytological changes with darkness-induced dormancy in foraminifera with algal symbionts. Principal Investigator. USF Research and Creative Scholarship. April 1991 - April 1992; \$7,198.
- Foraminiferal assemblages of selected Key Largo reefs, Florida Keys. Principal Investigator with Barbara Lidz (USGS). NOAA/ National Undersea Research Center UNCW9120. May 1, 1991 - April 30, 1992; \$2,880.
- Northern Nicaraguan Rise, Case for: Neogene Segmentation of a Carbonate Megaplatform by Strike-Slip and Related Extension Tectonics and Paleogateway for the Neogene Initiation and Strengthening of the Caribbean Current. Co-principal Investigator with A. C. Hine. National Science Foundation OCE-9212635. January 13, 1992 - March 31, 1995; \$133,095.
- Symbiont Loss ("Bleaching") in a Reef-Dwelling Foraminifer. Principal Investigator. National Science Foundation OCE-9203278. February 1, 1992 - July 31, 1993; \$48,935.
- Decadal-Scale Changes in Benthic Foraminiferal Assemblages in Reef-Tract Sediments off Key Largo. Principal Investigator with Barbara Lidz (USGS). The Research Consortium. February 1, 1992 - July 31, 1993; \$2,000.
- Decadal-Scale Changes in Benthic Foraminiferal Assemblages in Reef-Tract Sediments off Key Largo, Florida. Principal Investigator with Barbara Lidz (USGS). National Oceanic and Atmospheric Administration/National Undersea Research Center UNCW 9221. April 1992 - April 1993; \$13,713.
- Bleaching in Benthic Foraminifera: Indicator of Increasing UV Radiation on Coral Reefs. Principal Investigator. NOAA National Undersea Research Center UNCW 9204.4. May 1992 - April 1993; \$5,000.
- Acquisition of a Transmission Electron Microscope and Elemental Microanalysis System for the New Marine Science Building. Co-Principal Investigator with J. H. Paul, J. S. Compton, J. B. Rose and R. R. Wilson. National Science Foundation OCE-9214614. September 1992 - August 1995; \$150,000.
- Carbonate Depositional Environments of the Dry Tortugas and Southwest Florida Shelf. Principal Investigator. Florida Institute of Oceanography (ship time on R/V Bellows). October 1992; \$7,200.
- UV Induced Bleaching in the Benthic Foraminifer *Amphistegina gibbosa*. Principal Investigator. NOAA National Undersea Research Center UNCW 9322. December 1992 - December 1993; \$5,000.
- The Oceanography Camp for Girls. Co-Principal Investigator with P. R. Betzer, P. G. Coble, and T. M. Greeley. National Science Foundation Young Scholars Program ESI-9353012. May 1, 1994 - September 30, 1996; \$73,756.
- Evolutionary Implications of Environmental Stress in Adult *Amphistegina*. Principal Investigator. The Geological Society of America, W. Storrs Cole Memorial Research Award. 1994; \$7,000.
- Support of the Research Activities of a Marine Engineering Institute at the University of South Florida. Co-Principal Investigator with J. L. Brown, T. L. Hopkins, R. Streeter, and others. Department of

Defense/Office of Naval Research; \$2,000,000. P. Hallock Muller Development of a Underwater UV Radiometer; June 1, 1994 - May 31, 1996; \$30,961.

Grants and Contracts (cont.)

Field Support to Continue Long-Term Sampling of Stressed Benthic Foraminiferal Populations in the Florida Keys. Principal Investigator. National Oceanic and Atmospheric Administration/National Undersea Research Center UNCW 9515. January 1 - December 31, 1995; \$5,749.

Instrumentation for Molecular Analysis of Marine Organisms. Co-Principal Investigator with J. H. Paul, J. B. Rose, and R. R. Wilson. National Science Foundation BIR-9512122. August 15, 1995 - July 31, 1997; \$100,390.

Field Support to Continue Long-Term Sampling of Stressed Benthic Foraminiferal Populations in the Florida Keys. Principal Investigator. National Oceanic and Atmospheric Administration/National Undersea Research Center UNCW 9609. January 1 - December 31, 1996; \$5,406.

Larger Benthic Foraminifera as Indicators of Environmental Change. Principal Investigator. U.S. Department of Interior - Geological Survey, Reston, Virginia, Award No. 1434-94-A-1185. October 1, 1995-September 30, 1996; \$8,000.

A Study of the Effects of Disposal of Seawater Desalination Discharges on Nearshore Benthic Communities--Phase II. Southwest Florida Water Management District. Co-PI with N. Blake, G. Vargo and others. 2/97-7/98. \$7,500 (to PHM).

Recruitment Tiles from the Florida Keys. Florida Department of Environmental Protection. March 5 - June 30, 1997. \$10,000.

Field Support to sample stressed foraminiferal populations in the Florida Keys. Principal Investigator. National Oceanic and Atmospheric Administration/National Undersea Research Center UNCW 9703-66. January 1 - December 31, 1997, \$3,820.

Design and Construction of an Underwater Housing for Affordable Monitoring of Solar Radiation to USF Research and Creative Scholarship Grant Programs on 2/15/97; \$7,500; May 1997-April 1998. (PI, Scott Samson of the Center for Ocean Technology, Co-PI).

"Travel to the 10th International Protozoology Congress, Sydney, Australia" to USF International Travel Grants Program on 2/15/97; \$1,500.

Geosciences and Society - A Multimedia Approach by Teachers and Scientists; National Science Foundation - Awards to Facilitate Geoscience Education; PI's Theresa Greely, Peter Betzer, A.C. Hine, P. Hallock Muller, F. Muller-Karger, Sarah Tebbens, J.J. Torres, R.H. Weisberg, amount requested: \$49,718; proposed duration: 9/1/98-8/30/99.

Foraminifera as Ecosystem Indicators: Phase 1. A Marine Benthic Perturbation Index; Phase 2. Bioassay Protocols. Principal Investigator. U.S. Environmental Protection Agency - ORD - NCERQA GAD#R825869. October 1, 1997 - September 30, 2000. \$295,043. \$49,502 supplement and extension to 09/30/02.

"Foraminifera in lagoon sediments of Glovers Reef Atoll: Have assemblages changed since 1970?" Wildlife Conservation Society, 10/98-4/00; \$6,000.

"Biological and Geological Characterization of the Tortugas Banks Area, Florida Keys National Marine Sanctuary". Sustainable Seas Expeditions, National Geographic Society, submersible time in September 1999. PI, Co-PI's include A.C. Hine, D. Naar, and D. Mallinson (DMS-USF), W.C. Jaap, J. Wheaton (FMRI-DEP), and G.P. Schmal (FKNMS).

Bleaching in Reef-Dwelling Foraminifera: Can Stress Symptoms be Induced in Field Experiments? Principal Investigator. National Oceanic and Atmospheric Administration/National Undersea Research Center UNCW 9922. 1/1-12-31/99, \$20,000.

ROV observations and acoustic/sedimentologic characteristics of outlier reef, slope bedforms, and lowstand ridge deposits; southwest Florida continental margin. A.C. Hine, P. Hallock Muller and B. Jarret, co-PI's. National Oceanic and Atmospheric Administration - National Undersea Research Center/University of North Carolina at Wilmington; \$20,000 plus field support; 1/99-06/00.

A Geological Investigation of late Pleistocene Relict Reefs on the South Florida Margin. Florida Institute of Oceanography. PI with David Mallinson. 5 days ship time on R/V Bellows October 1999 (lost to inclement weather).

Grants and Contracts (cont.)

- Environmental Marine Biotechnology: Assessing the Health of Coral Reef Ecosystems in the Florida Keys Using an Integrated Molecular Biomarker System. South Carolina Sea Grant Program. PI: Cheryl Woodley and Eric Lacy, Medical University of South Carolina. PH-M is Co-PI with J. Halas, J. Fauth, and C. Downs. Total project \$250,000; subcontract to USF \$41,648; duration: 9/1/00-8/31/02
- Assessment of Foraminiferal Assemblages of Biscayne Bay Sediments. USF component of USGS Project entitled: Pilot Study of the Biogeochemical History of Ecosystems in Biscayne Bay. With USGS PI's: Barbara Lidz and Eugene Shinn. Duration: 10/01/00-09/30/01. \$22,000
- Participation in Ocean Drilling Program Cruise Leg 194 – Marion Plateau. 01/06/01-12/31/02. \$51,609.
- Larger benthic foraminifers of Miocene carbonate platforms of the Marion Plateau (ODP Leg 194: Sites 1193-99): Biostratigraphy and paleoenvironmental interpretation. US Science Support Program/Ocean Drilling Program, Texas A&M University. 06/01-05/03. \$22,990.
- Chemical Pollutants and Toxic Effects on Benthic Foraminifera, Biscayne Bay, Florida, PI B. Lidz. Component of the Cooperative Agreement with the U.S. Geological Survey for Partial Support of Research at the USF/USGS Cooperative Research Center for Coastal Geology. This component: \$20,191. Duration 10/01-09/02.
- Ecosystem Response to Elevated Arsenic Levels. National Science Foundation – CHE-0221834. PI: Thomas Pichler, Co-PI's: James Garey, Gary Huxel and Pamela Hallock Muller. \$1.49 million; Duration: 10/01/02 - 09/30/06.
- Three New Tools for Reef Monitoring and Risk Assessment: Distinguishing Local from Global Stresses. Florida Keys National Marine Sanctuary's 2003 Special Studies Program. \$52,875; Duration: 10/01/03 – 06/30/05.
- Biochemistry of Ecosystems in Biscayne Bay, Florida. PI B. Lidz. Component of the Cooperative Agreement with the U.S. Geological Survey for Partial Support of Research at the USF/USGS Cooperative Research Center for Coastal Geology. Funding period: 10/02-09/03: \$33,302; Funding period 050104 – 043005: \$30,000.
- Advanced Remote Sensing Methods for Caribbean Coral Reef Studies, PI J. Brock, . Component of the Cooperative Agreement with the U.S. Geological Survey for Partial Support of Research at the USF/USGS Cooperative Research Center for Coastal Geology. \$34,359; 050104 – 043005; 35,999; 050105 – 043006.
- Quantifying Ecological and Economic Impacts of Tropical Cyclones on Coral Reefs and Coastal Water Quality in South Florida. With T. J. Mason (USF-CPH), NOAA/through FIU International Hurricane Center, Year 1: total \$189,875; PHM component: \$135,465; 10/01/04-12/31/05; Year 2: total \$162,645 PHM component: \$149,060); 10/01/05-12/31/07.
- Application of Historic Data Sets and Bioindicators to Assess Status and Ecological Function of Upper Keys Patch Reefs. U.S. EPA Special Studies in the Florida Keys National Marine Sanctuary or Southeast Florida. \$49, 989, 01/01/07-12/31/08.
- Experiments to Determine the Impacts of a High CO₂ World on High Latitude, Temperate and Tropical Benthic Foraminifera. Subcontract to PHM for proposal submitted to NSF-Biological Oceanography by Joan Bernhard, WHOI. 10/1/07-09/30/10; PHM subcontract: \$54,132.
- Pollutants and foraminiferal assemblages in Jobos Bay: An environmental micropaleontology approach. NOAA-National Estuary Program. PI: PHM for M. Martinez. Proposed duration: 06/1/07-05/31/09; 39,732
- Benthic Foraminifera as Bio-indicators of Heavy Metal Pollution: Torrecilla Lagoon (San Juan Bay Estuary), Puerto Rico. Puerto Rico SeaGrant. PIs: M. Martinez-Colon and P. Hallock Muller. Project period: 02/08-01/10; \$97,394.
- West Florida Shelf: A Natural Laboratory for the Study of Ocean Acidification. Shiptime proposal to Florida Institute of Oceanography. Four days aboard the R/V Suncoaster representing an award of \$15,200 in shiptime and support services from the State of Florida. 04/01-14/08.

Florida Shelves: A Natural Laboratory for the Study of Ocean Acidification. Shiptime proposal to Florida Institute of Oceanography. Four days aboard the R/V Bellows representing an award of \$12,400 in shiptime and support services from the State of Florida. 03/08.

Grants and Contracts (cont.)

Response of Florida Shelf Sediments to Ocean Chemistry. Component of the Cooperative Agreement with the U.S. Geological Survey for Partial Support of Research at the USF/USGS Cooperative Research Center for Coastal Geology. \$19,000; 050108 – 043009.

Distinguishing reef acidification processes: Controls on Conch Reef pH by ambient water column variability versus benthic boundary layer processes. Aquarius Reef Base at the University of North Carolina Wilmington. Lead PIs: Niels Lindquist and Chris Martens; USF subcontract; PHM and B. Byrne, co-PIs): \$22,499. 05/08-04/10.

Foraminiferal Assemblages Analysis. U.S. EPA contract, sole PI; \$35, 025; 08/26/08-8/29/10

Distinguishing reef acidification processes: Controls on Conch Reef pH by ambient water column variability versus benthic boundary layer processes. Aquarius Reef Base at the University of North Carolina Wilmington (flow through from NOAA). Lead PIs: Niels Lindquist and Chris Martens; USF subcontract; PHM and B. Byrne, co-PIs): \$22,499. Project period: 5/09-4/11: \$22,499.

Monitoring benthic habitats on the West Florida Slope using benthic foraminifera and sediment geochemistry. Florida Institute of Oceanography: W. Hogarth PI. Subcontract to: B.P. Flower, P. Hallock Muller, David Hollander (USF); L. Collins (FIU), G. Brooks, D. Hastings, Eckerd College. Project Period: 8/13/2010-8/12/2012.

Toxicity of Deepwater Horizon Oil and Dispersants on Florida's Reef Biota. Florida Institute of Oceanography: Florida Coastal Sentinels, W. Hogarth PI. Subcontract to: P. Hallock Muller Total: \$173,449. Project Period: 8/13/2010-8/12/2012.

Harmful Algal Bloom Liason. Florida Fish and Wildlife Conservation Commission. PI: P. Hallock Muller, \$66,599/yr, \$332,995 total; Project Period: 10/4/2010 -6/30/2015

Florida Shelves: A Natural Laboratory for the Study of Carbonate Sedimentation. Shiptime proposal to Florida Institute of Oceanography. Four days aboard the R/V Bellows representing an award of ~\$14,000 in shiptime and support services from the State of Florida. 04/11.

Julia Galkiewicz -- Knaus Fellowship 2012. Florida Sea Grant. PI: P. Hallock Muller; \$49,000 total; Project Period: 02/01/2012-01/31/2013.

Fixed Price TO for Michael Martinez-Colon to participate in Exp. 340. Consortium for Ocean Leadership. PI: P. Hallock Muller; \$19,783 total; Project Period: 02/03/2012-01/31/2015.

Fixed Price TO for Elizabeth Brown to participate in Exp. 349. Consortium for Ocean Leadership. PI: P. Hallock Muller; \$18,638 total; Project Period: 01/27/2012-02/15/2016.

Harmful Algal Bloom Liason. Florida Fish and Wildlife Conservation Commission. PI: P. Hallock Muller, \$86,070 yr 1, \$258,285 total; Project Period: 06/19/2015-6/30/2018

Subtropical Back-barrier Ecological Responses to Environmental Changes. PI: P. Hallock Muller. \$40,000. Project Period: 08/01/16-07/31/17.

Published Abstracts (*my graduate students; **student on whose committee I served)

- Muller, P. Hallock. 1975. Sediment production by shallow-water benthic foraminifera at selected sites around Oahu, Hawaii. First International Symposium on Benthonic Foraminifera, Halifax, Nova Scotia.
- Hallock, P. 1979. Carbonate production by selected large, benthic foraminifera on two Pacific coral reefs. Geological Society of America Annual Meeting, San Diego, California. GAAPBC 11:437.
- Hallock, P. 1980. The application of ecologic studies of living, algal symbiont-bearing foraminifera to paleoecologic interpretation. American Association of Petroleum Geologists Annual Meeting, Denver, Colorado. AAPG Bull. 47:716-717.
- Hallock, P. 1980. Distribution of selected species of living benthic foraminifera on two Pacific coral reefs. Geological Society of America Annual Meeting, Atlanta, Georgia. GAAPBC 12:441.
- Röttger, R. and P. Hallock. 1980. Test shape analysis of *Heterostegina depressa* from Hawaii and from laboratory cultures. Cytological and ecological aspects of morphogenesis and structure of Recent and fossil protistan skeletons workshop, Tubingen, Federal Republic of Germany.
- Hallock, P. 1981. An analysis of the energetics of algal symbiosis. Geological Society of America Annual Meeting, Cincinnati, Ohio. GAAPBC 13:466.
- Correa, A. C., G. I. Ballew, K. R. Sundberg, J. A. Drahovzal, P. G. Harrison, H. R. Hopkins, H. R. Lang, S. M. Nicolais, P. Hallock and E. M. Wingo*. 1982. Summary of NASA-GEOSAT oil and gas site, Coynosa, Texas. American Society of Photogrammetry Annual Meeting.
- Hallock, P. 1982. Evolution and extinction in larger foraminifera. North American Paleontological Convention, Montreal, Canada. Journal of Paleontology 56:(suppl. to No. 2):12.
- Hallock, P. 1982. Nutrient influence of evolution and extinction in carbonate-producing organisms. Geological Society of America Annual Meeting, New Orleans, Louisiana. GAAPBC 14:505.
- Hallock, P. 1983. Larger foraminifera as depth indicators in carbonate depositional environments. American Association of Petroleum Geologists Annual Meeting. AAPG Bull. 67:477-478.
- Hallock, P. 1983. Why are larger foraminifera large? Geological Society of America Annual Meeting, Indianapolis, Indiana. GAAPBC 15:590.
- Cotter*, T. and P. Hallock. 1984. Population studies of *Archaias angulatus* from Largo Sound, Florida. Advances in Reef Science Meeting, Miami, Florida, p. 29.
- Hallock, P. 1984. Embryon size in larger foraminifera: predictions and observations. Geological Society of America Annual Meeting, Reno, Nevada. GAAPBC 16:528.
- Hallock, P. 1984. Foraminifera of Indo-Pacific and Caribbean Reefs: a comparison of selected algal symbiont-bearing taxa. Advances in Reef Science Meeting, Miami, Florida, p. 50-51.
- Hallock, P. 1985. Ecologic and evolutionary implications of large size in foraminifera. VII International Congress of Protozoology, Nairobi, Kenya, June, p. 143. (Hallock, P. 1985. A comparison of algal symbiont-bearing foraminiferal faunas of Indo-Pacific and Caribbean reefs. VII International Congress of Protozoology, Nairobi, Kenya, p. 55.
- Hallock, P. 1985. Drowned reefs and carbonate platforms: reef-community disruption by nutrients provides a clue to the paradox. Geological Society of America Annual Meeting, Orlando, Florida. GAAPBC 17:602.
- Hallock, P. 1986. Musings on functional morphologies in larger foraminifera. Fourth North American Paleontological Congress, Boulder, Colorado, p. A19.
- Hallock, P. 1986. Bioerosion as an indicator of nutrient availability in carbonate depositional environments. Fourth North American Paleontological Congress, Boulder, Colorado, p. A18.
- Hallock, P. 1986. Paleoceanographic nutrients and the evolution of larger reef foraminifera. Second International Conference on Paleoceanography, Woods Hole, Massachusetts, Abstracts with program, p. 39.
- Hallock, P. 1986. Notes on coiling direction in trochospiral foraminifera, Benthos '86-An International Symposium on Benthic Foraminifera, Geneva, Switzerland, p. 42.
- Hallock, P. 1986. Diversification in algal symbiont-bearing foraminifera: Response to oligotrophy? Benthos '86-An International Symposium on Benthic Foraminifera, Geneva, Switzerland, p. 41-42.
- Hallock, P. and S. W. Snyder. 1986. Nutrient control of biogenic sedimentation in low-latitude, shallow-water environments. SEPM Annual Mid-year Meeting, Raleigh, North Carolina, Abstracts v. III, p. 49.

Lee, J. J. and P. Hallock. 1986. Algal symbiosis as the driving force in the evolution of larger foraminifera. The Third International Colloquium on Endocytobiology, New York.

Published Abstracts (cont.)

- Hallock, P., G. A. Vargo, A. C. Hine, N. J. Triffleman*, K. J. Boomer*, W. C. Jaap and D. F. Belknap. 1987. Platforms of the Nicaraguan Rise: Examples of suppression of carbonate accumulation by excess nutrients? Geological Society of America Annual Meeting, Phoenix, Arizona.
- Hine, A. C. and P. Hallock. 1987. Carbonate platforms of the Nicaraguan Rise: Overview. Geological Society of America Annual Meeting, Phoenix, Arizona. GAAPBC 19:703.
- Triffleman*, N. J., P. Hallock and A. C. Hine. 1987. Morphology, sediments, and depositional environments of a partially drowned carbonate platform: Serranilla Bank - Southwest Caribbean Sea. Geological Society of America Annual Meeting, Phoenix, Arizona. GAAPBC 19:871.
- Hallock, P. 1988. Interoceanic differences in algal symbiont-bearing foraminifera: A result of nutrient supplies? 6th International Coral Reef Symposium, Townsville, Australia (abstracts), p. 40.
- Hallock, P. and J. A. Elrod. 1988. Oceanic chlorophyll around carbonate platforms in the western Caribbean: Observations from CZCS data. 6th International Coral Reef Symposium, Townsville, Australia (abstracts), p. 40.
- Hallock, P., A. C. Hine and J. L. Gonzales. 1988. Porifera: A substratum for the development of rhodoliths. Geological Society of America Annual Meeting, Denver, Colorado. GAAPBC 20:A339.
- Hallock, P., G. A. Vargo, A. C. Hine, N. J. Triffleman*, W.C. Jaap and J. A. Elrod. 1988. Suppression of coral reef development by excess nutrients: Examples on the Nicaraguan Rise? Association of Island Marine Laboratories of the Caribbean, 21st Annual Meeting, Sarasota, Florida.
- Hine, A. C., P. Hallock, H. T. Mullins, W. C. Jaap, M. W. Harris** and D. F. Belknap. 1988. Geologic setting of large *Halimeda* bioherms in the Caribbean Sea. 6th International Coral Reef Symposium, Townsville, Australia (abstracts), p. 44.
- Hine, A. C., M.W. Harris**, P.Hallock, H.T. Mullins, D.F. Belknap and A. C. Neumann. 1988. Structure, stratigraphy, and sedimentation of a current-dominated open seaway within a carbonate platform complex: Miskito Channel, Nicaraguan Rise, SW Caribbean Sea. Geological Society of America Annual Meeting, Denver, Colorado. GAAPBC 20:A70.
- Triffleman*, N. J., P. Hallock, A.C. Hine, G.A. Vargo and J. Garrett*. 1988. Serranilla Bank (southwestern Caribbean): An enigma of chloralgal sedimentation in an oceanic setting. Geological Society of America Annual Meeting, Denver, Colorado. GAAPBC 20:A209.
- Hallock, P. 1989. An environmental mechanism that may contribute to different average survivorship curves for living and extinct taxa. Geological Society of America Annual Meeting, St. Louis, Missouri. GAAPBC 21:A207.
- Hallock, P. and I.Premoli-Silva. 1989. Correlation between carbonate-platform benthos and planktonic foraminiferal evolution through Paleogene paleoceanographic changes. Abstracts of Third International Conference on Palaeo-Oceanography, Cambridge, England. Blackwell Scientific Publ., London, p. 8.
- Harris**, M. W., A. C. Hine, H. T. Mullins and P. Hallock. 1989. Echo character (3.5 kHz) along a current-dominated open seaway, Miskito Channel, Nicaraguan Rise, Caribbean Sea. Geological Society of America Annual Meeting, St. Louis, Missouri. GAAPBC 21:A329.
- Peebles*, M. W., P. Hallock and A. C. Hine. 1989. Sedimentology and taphonomy of Thunder and Lightning Knolls, two small carbonate platforms, Nicaraguan Rise, southwest Caribbean Sea. Geological Society of America Annual Meeting, St. Louis, Missouri. GAAPBC 21: A293.
- Smith*, K., and P. Hallock. 1989. Dormancy in benthic foraminifera: Possibilities and implications. Geological Society of America Annual Meeting, St. Louis, Missouri. GAAPBC 21:A46.
- Hallock, P. 1990. Nutrient flux as a regulating mechanism for reef development: Modern and Cretaceous models. SEPM Research Conference on Cretaceous Models. SEPM Research Conference on Cretaceous Resources, Events and Rhythms, Denver, Colorado. Program and Abstracts.
- Hallock, P., and A. C. Hine. 1990. Sponge-algal bioherms on the western platforms of the Nicaraguan Rise, Southwestern Caribbean. American Association of Petroleum Geologists Annual Convention, San Francisco. AAPG Bulletin 74(5):668.

Hallock, P., A. C. Hine, M. W. Harris**, N. J. Triffleman* and M. W. Peebles*. 1990. Bimodality in Coral and Algal Carbonate Production: An Example from the Nicaraguan Rise, Western Caribbean. Geological Society of America 1990 Annual Meeting, Dallas, Texas. GAAPBC 22:A130.

Published Abstracts (cont.)

- Hallock, P., W. C. Jaap, K. Boomer-Donnelly* and A. C. Hine. 1990. Research Diving on Remote Shoals of the Nicaraguan Rise, Southwest Caribbean. Proceedings of the 10th Annual Scientific Diving Symposium, Diving for Science...1990, W. C. Jaap, ed., American Academy of Underwater Sciences, St. Petersburg, Florida, p. 139.
- Harris, M. W., A. C. Hine, P. Hallock and H. T. Mullins. 1990. Sediment Transport Pathways within a Current-Dominated Open Seaway, Nicaraguan Rise, Caribbean Sea. Geological Society of America 1990 Annual Meeting, Dallas, Texas. GAAPBC 22:A67.
- Hine, A. C., S. D. Locker, H. T. Mullins, L. Tedesco, and P. Hallock. 1990. Multiple megabreccia shedding from low-relief carbonate platforms in an active tectonic setting: Nicaraguan Rise, Southwest Caribbean Sea. American Association of Petroleum Geologists Annual Convention, San Francisco. AAPG Bulletin 74(5):675.
- Peebles*, M. W., P. Hallock and A. C. Hine. 1990. Rhodolite and encrusted-grain sedimentation, Thunder and Lightning Knolls, Southwest Caribbean Sea. American Association of Petroleum Geologists Annual Convention, San Francisco. AAPG Bulletin 74(5): 737-738.
- Boersma, A., I. Premoli Silva and P. Hallock. 1991. Trophic Models Applied to Late Paleocene to Early Eocene Planktonic Foraminifera. Geological Society of America 1991 Annual Meeting, San Diego, California. GAAPBC 23(5):A141.
- Hallock, P. and A.C. Hine. 1991. Coral-reef turn-on/turn-off on the Nicaraguan Rise. SEPM First Annual Theme Meeting, Portland, Oregon, August 1991.
- Hallock, P. and F. Müller-Karger. 1991. Coral Reefs and Environmental Change: A Caribbean Perspective. Geological Society of America 1991 Annual Meeting, San Diego, California. GAAPBC 23(5):A298.
- Hine, A. C., S. D. Locker, P. Hallock and H. T. Mullins. 1991. Strongly contrasting modes of slope failure and erosion along the carbonate margins of three open seaways; northwest Nicaraguan Rise. American Association of Petroleum Geologists Annual Convention, Dallas, Texas. AAPG Official Program, p. 131.
- Peebles*, M. W., P. Hallock and A. C. Hine. 1991. Taphonomy of Foraminifera from Deep (30-60 M), Tropical Carbonate Platforms, Nicaraguan Rise, Caribbean Sea. Geological Society of America 1991 Annual Meeting, San Diego, California. GAAPBC 23(5):A36-A37.
- Toler*, S. K., L. L. Robbins and P. Hallock. 1991. Foraminiferal Classification Using Biochemical Techniques. Geological Society of America 1991 Annual Meeting, San Diego, California. GAAPBC 23(5): A35.
- Boersma, A., I. Premoli Silva and P. Hallock. 1992. The trophic resource continuum model and Paleogene planktonic foraminifera. Fourth International Conference on Palaeoceanography, Kiel, Germany, September 1992.
- Droxler, A., A. D. Cunningham, A. C. Hine, P. Hallock, D. Duncan**, E. Rosencrantz, R. Buffler, and E. Robinson. 1992. Late middle (?) Miocene segmentation of an Eocene-early Miocene carbonate megabank on the northern Nicaragua Rise: Response to tectonic activity along the North America/Caribbean plate boundary zone. EOS Transactions, American Geophysical Union 1992 Fall Meeting, San Francisco, California, p. 299.
- Hallock, P. and H. K. Talge*. 1992. Symbiont-loss (bleaching) in benthic foraminifera: Is elevated ultraviolet radiation the causal mechanism? Geological Society of America 1992 Annual Meeting, Cincinnati, Ohio. GAAPBC 24(7):A29.
- Hallock, P., E. M. Cockey* and H. K. Talge*. 1992. Aquarius habitat site at Conch Reef: Possibilities for research on foraminifera with algal symbionts. Proceedings of the 12th Annual Scientific Diving Symposium, Diving for Science...1992, L. B. Cahoon, ed., American Academy of Underwater Sciences, Wilmington, North Carolina, p. 93.
- Hallock, P., H. K. Talge*, K. Smith* and E. M. Cockey*. 1992. Bleaching in a Reef-Dwelling Foraminifer, *Amphistegina gibbosa*. 7th International Coral Reef Symposium, Guam, Abstracts, p. 41.
- Smith*, K. and P. Hallock. 1992. Dormancy in benthic foraminifera: Response to prolonged darkness in an algal/foraminiferal symbiosis. Geological Society of America 1992 Annual Meeting, Cincinnati, Ohio. GAAPBC 24(7):A76.

Published Abstracts (cont.)

- Tedesco, L. P., A. C. Hine, A. C. Neumann and P. Hallock. 1992. Petrology of Platform and Slope Limestones: Bawihka Platform and Channel, Nicaraguan Rise, Western Caribbean Sea. American Association of Petroleum Geologists Annual Convention, Calgary, Canada. AAPG Bulletin 76:777.
- Cockey*, E.M., P. Hallock, and B. Lidz. 1993. Decadal-scale changes in benthic foraminiferal assemblages in reef-tract sediments off Key Largo, Florida. Geological Society of America 1993 Annual Meeting, Boston, Massachusetts. GAAPBC 25(6):A-191.
- Droxler, A., A. Cunningham, A. C. Hine, P. Hallock, D. Duncan**, E. Rosencrantz, R. Buffler, and E. Robinson. 1993. Late middle (?) Miocene segmentation of an Eocene-early Miocene carbonate megabank on the northern Nicaragua Rise tied to the tectonic activity at the North America/Caribbean plate boundary zone. Abstracts of the American Association of Petroleum Geologists 1993 International Meeting, Caracas, Venezuela, p. 44.
- Duncan**, D. S., A. C. Hine, P. Hallock, A. W. Droxler, and E. Rosencrantz. 1993. Neogene/Quaternary structural development and sedimentary infilling history of the Serranilla Basin: Western component of the founderd Nicaragua Rise megabank. Geological Society of America 1993 Annual Meeting, Boston, Massachusetts. GAAPBC 25(6):A-379.
- Hallock, P., and N. Schmidt**. 1993. Ocean mixing, paleoproductivity, and biomineralization: How useful are icehouse-world models for greenhouse-world questions? SEPM Theme Meeting, August 8-12, 1993, Pennsylvania State University, University Park. (Plenary address)
- Hallock, P. and H.K. Talge*. 1993. Effects of ultraviolet radiation on foraminiferal reproduction: Potential for instantaneous speciation? Geological Society of America Southeastern Section Meeting, Tallahassee, Florida. Southeastern Section GAAPBC 25(4):20. (Invited)
- Hallock, P. and H. K. Talge*. 1993. Symbiont loss ("bleaching") in the reef-dwelling benthic foraminifer *Amphistegina gibbosa* in the Florida Keys in 1991-92. Extended abstract for Colloquium and Forum on Global Aspects of Coral Reefs: Health, Hazards and History, Miami, Florida, pp. V8-V14.
- Hallock, P. and H. K. Talge*. 1993. Symbiont loss (bleaching) in benthic foraminifera: Implications for biomineralization and sediment production. Geological Society of America 1993 Annual Meeting, Boston, Massachusetts. GAAPBC 25(6):A-139.
- Peebles*, M. W., P. Hallock, and A. C. Hine. 1993. Carbonate sedimentology of current-swept, tropical platforms, northern Nicaraguan Rise, Caribbean Sea. Geological Society of America Southeastern Section Meeting, Tallahassee, Florida. Southeastern Section GAAPBC 25(4):61.
- Talge*, H. and P. Hallock. 1993. Observations of Symbiont Loss in Benthic Foraminifera. Extended abstract for SCANNING '93, Orlando, Florida. Journal of Scanning Microscopy, Vol. 15, Suppl. III, pp. 86-88.
- Hallock, P., and H. K. Talge*. 1994. Potential species-level and family-level evolutionary events in living benthic foraminifera. Geological Society of America 1994 Annual Meeting, Seattle, Washington. GAAPBC 26(7):A-160.
- Hallock, P. and H. K. Talge*. 1994. Population responses to selective pressure primarily affecting adult *Amphistegina gibbosa*. Forams '94 International Symposium on Foraminifera, Berkeley, California. PaleoBios 16(2) Supplement:34.
- Hallock, P., H. K. Talge*, E.M. Cockey* and S.K. Toler*. 1994. Visible indicators of stress in the reef-dwelling foraminifer *Amphistegina gibbosa* in the Florida Keys. Special Session on Biological Indicators of Stress in Benthic Fauna, North America Benthic Society 42nd Annual Meeting, Orlando, Florida. Bulletin NABS 11(1), p. 151.
- Lee, J.J., C. Wray, J. Morales, and P. Hallock. 1994. Specificity of symbionts in larger foraminifera. Forams '94 International Symposium on Foraminifera, Berkeley, California. PaleoBios 16(2) Supplement:43.
- Talge*, H. and P. Hallock. 1994. A degenerative disease in reef-dwelling foraminifera: Can ultraviolet irradiance be the cause? EOS Transactions 75(3), 1994 Ocean Sciences (AGU/ASLO) Meeting, San Diego, California, pp. 86-87.
- Talge*, H. K. and P. Hallock. 1994. Cytological examination of symbiont loss in benthic foraminifera, *Amphistegina gibbosa*. Forams '94 International Symposium on Foraminifera, Berkeley, California. PaleoBios 16(2) Supplement:62.

Published Abstracts (cont.)

- Talge*, H. K. and P. Hallock. 1994. Investigation of mottling in benthic foraminifera, *Amphistegina gibbosa*. Florida Society for Microscopy 12th Annual Meeting, Daytona Beach, Florida, May 5-6, 1994.
- Yanko, V., V. Bresler, and P. Hallock. 1994. Defense transport systems against xenobiotics in some benthic foraminifera. Ann. Meeting, Zoological Society of Israel, Tel Aviv University, Tel Aviv, p. 22-23.
- Young**, L. R., K. L. Carder and P. Hallock. 1994. Hyperspectral remotely sensed colored dissolved organic matter as a photoprotective agent against bleaching in corals and foraminifera. EOS Transactions 75(3), 1994 Ocean Sciences (AGU/ASLO) Meeting, San Diego, California, p. 103.
- Cockey*, E., P. Hallock and B. H. Lidz. 1995. Thirty-year changes in benthic foraminiferal assemblages off Key Largo, Florida. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 40.
- Hallock, P., H. Talge* and E. Cockey*. 1995. Larger foraminifera as environmental indicators for coral reefs. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 63.
- Hallock, P., D. E. Williams* and H. K. Talge*. 1995. Population response to prolonged sublethal environmental stress by *Amphistegina* (Foraminiferida) in the Florida Keys. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 63-64.
- Harney*, J., P. Hallock and H. K. Talge*. 1995. Life cycle modification in stressed populations of the foraminifer *Amphistegina gibbosa*. 1995. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 64.
- Talge*, H.K. and P. Hallock. 1995. Cytological examination of mottling in foraminifera, *Amphistegina Gibbosa*. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 120.
- Toler*, S. K., P. Hallock, H. K. Talge* and L. L. Robbins. 1995. Calcification damage associated with symbiont loss in *Amphistegina* (Foraminiferida) in the Florida Keys. Congress Program and Abstracts, Vol. 1, The 1st SEPM Congress on Sedimentary Geology, St. Petersburg Beach, Florida, p. 122.
- Hallock, P., H. K. Talge*, D. E. Williams*, J. N. Harney* and E. M. Cockey*. 1995. Five summers of bleaching in Reef-dwelling foraminifera in the Florida Keys: Consequences and implications. Geological Society of America 1995 Annual Meeting, New Orleans, Louisiana. GAAPBC:27: A-245
- Hallock, P. 1996. The energetics of algal symbiosis: Implications for evolution. North American Paleontological Convention, Washington, D.C. June 1996.
- Talge*, H.K., P. Hallock, D.E. Williams*, J.N. Harney*, and S.K. Toler*. 1996. Symbiont loss in reef foraminifera: Consequences for affected populations. 8th International Coral Reef Symposium, Panama, June 1996.
- Hallock, P., Y. Bone, L.B. Collins, and N.P. James. 1996. Larger foraminifera of the West Australian Shelf: Modern maladies and Pleistocene paleodepths. Geological Society of America 1996 Annual Meeting, Denver, Colorado, GAAPBC 28:129.
- Harney*, J.N., P. Hallock, C.H. Fletcher, J.M. Resig, and B. Richmond. 1996. The contribution of larger foraminifera to coastal zone sediments of Oahu, Hawaii. Geological Society of America 1996 Annual Meeting, Denver, Colorado, GAAPBC 28:74.
- Williams*, D.E., P. Hallock, H.K. Talge*, and J.N. Harney*. 1996. Responses of *Amphistegina gibbosa* populations in the Florida Keys to a multi-year stress event (1991-96) Geological Society of America 1996 Annual Meeting, Denver, Colorado, GAAPBC 28:49.
- Hallock, P., H.K. Talge*, and D.E. Williams*. 1997. Reef-dwelling larger foraminifera: Harbingers of global change. 10th International Congress of Protozoology, Sydney, Australia, July 21-25, 1997; Programme and Abstracts, p. 95.
- Talge*, H.K. and P. Hallock. 1997. Cytological techniques for stressed *Amphistegina* (Foraminifera): Challenges of working with an adapting population. 10th International Congress of Protozoology, Sydney, Australia, July 21-25, 1997; Programme and Abstracts, p. 195 .

James, N.P., L.B. Collins, Y. Bone, and P. Hallock. 1997. Rottnest Shelf to Ningaloo Reef: Cool-water to warm-water carbonate transition on the continental margin of Western Australia: Preliminary results. Canadian Society of Petroleum Geologists - Society for Sedimentary Geology Joint Convention, Calgary, Alberta, Canada, June 1-6, 1997.

Published Abstracts (cont.)

- Hallock, P. 1997. Foraminifera as Ecosystem Indicators: A Marine Benthic Perturbation Index. Geological Society of America 1997 Annual Meeting, Salt Lake City, Utah, GAAPBC 29:67.
- Hallock Muller, P. 1998. Foraminifera as ecosystem indicators: Phase 1-A Marine Benthic Perturbation Index; Phase 2-Bioassay Protocols. 1996/97 STAR Grants Ecological Assessment/Ecosystem Indicators Program Review, Las Vegas, Nevada, February 3-5, 1998; U.S. Environmental Protection Agency, Washington, DC; p. 9-10.
- Hallock, P. 1998. Habitats of Modern Larger Foraminifera: Taxonomic, Depth and Regional Comparisons. Proceedings, Tertiary to Recent Larger Foraminifera: Their Depositional Environments and Importance as Petroleum Reservoirs - Conference/Workshop. Kingston University, UK, Feb. 15-19, 1998, p. 13.
- Hallock, P. 1998. Larger Foraminifera as Indicators of Coral-Reef Vitality. Forams '98, Monterrey, Mexico, July 1998.
- Hallock, P. 1998. Nitrification versus eutrophication: Why should a geologist care? Geological Society of America Annual Meeting, Toronto, Canada, October 26-29, 1998. GAAPBC 30(7): 229.
- Hallock, P. CO₂ and carbonates: Back to the Eocene in the 21st Century? (invited) To. Southeast Section of the Geological Society of America, March 25-26, 1999, Athens, Georgia.
- Hallock, P., and Crevison, H. 1999. Foraminifera as indicators of coral-reef vitality. To: Scientific Aspects of Coral Assessment, Monitoring, and Restoration, April 14-16, 1999, National Coral Reef Institute, Ft. Lauderdale, Florida.
- Williams*, D.W., P. Hallock, and H.K. Talge*. 1999. Response of a reef-dwelling foraminifer, *Amphistegina gibbosa*, to ultraviolet radiation: Possible implications for host-symbiont interactions. Scientific Aspects of Coral Assessment, Monitoring, and Restoration, April 14-16, 1999, National Coral Reef Institute, Ft. Lauderdale, Florida.
- Hallock, P., H.K. Talge*, D.E. Williams*, and C. Borowski*. 1999. Taphonomic evidence for stress in reef-dwelling foraminifera. Geological Society of America Annual Meeting, Denver, CO, October 25-28, 1999. GAAPBC 31:a356.
- Hallock, P., W. Jaap., J. Wheaton, and D. Mallinson**. Tortugas Bank, South Florida Shelf: Exploring biogeological resources using a Deepworker submersible. American Academy for Underwater Sciences Annual Meeting, Santa Cruz, CA, November 5, 1999.
- Mallinson**, D. A. Hine, P. Hallock. 1999. Structure and Origin of Relict Reefs on the West Florida Margin. American Geophysical Union Fall Meeting, December 1999.
- Crevison*, H. and P. Hallock. 2000. Assessing the Florida Reef Tract Sediments Using Key Benthic Foraminiferal Taxa. Geological Society of America Annual Meeting, Reno, Nevada, Nov. 13-16, 2000.
- Hallock, P., H. Crevison*, T.L. Dix*, H.K. Talge*, and D.E. Williams*, 2000. Foraminifera as Ecosystem Indicators: Phase 1. A Marine Benthic Perturbation Index; Phase 2. Bioassay Protocols. Proceedings: 2000 STAR Ecosystem Indicators Progress Review Workshop, Las Vegas, Nevada, May 8-10, 2000, p. 46-47.
- Hallock, P. 2000. Coral Reefs in the 21st Century: Is the past the Key to the Future? 10th Symposium on the Geology of the Bahamas, San Salvador, Bahamas.
- Hallock, P. 2000. Foraminifers as Bioindicators in Coral Reef Ecosystems: The FoRAM Protocol. Second International Conference in Application of Micro- and Meioorganisms to Environmental Problems – AMMEP'2000. Winnipeg, Manitoba, Canada, August 27-30, 2000, Program and Abstracts, p. 50-52.
- Hallock, P. 2000. Diving in graduate education: The past and the future. "Diving for Science in the 21st Century, 20th Annual Meeting of the American Academy for Underwater Sciences, October 12-14, 2000, St. Pete Beach, Florida.
- Hallock, P. 2000. The coral-reef cake: An activity for K-12 Earth Science or Biology. Geological Society of America Annual Meeting, Reno, Nevada, November 13-16, 2000.
- Hallock, P. 2000. Larger foraminifers as contributors to carbonate beach sands. Carbonate Beaches 2000, Key Largo, FL, Dec. 5-8, 2000.
- Jaap, W.C., D.J. Mallinson**, A. Hine, P. Hallock, J.L. Wheaton, B. Jarrett**. 2000. Geological and Biological Characteristics of the Dry Tortugas, Pulley Ridge, and the Florida Middle Grounds. Gulf of Mexico Symposium 2000, April 9-12, 2000, Mobile, Alabama.

Jacukiewicz*, J. and P. Hallock. 2000. Foraminifera in lagoon sediments of Glover's Reef Atoll: Have Assemblages changed since 1970? "Diving for Science in the 21st Century, 20th Annual Meeting of the American Academy for Underwater Sciences, October 12-14, 2000, St. Pete Beach, Florida.

Published Abstracts (cont.)

- Kimmel, M.E., and P. Hallock. 2000. Legal action to confront sexism in the Ivory Tower. VIII Biennial Conference of the International Society of Justice Research (ISJR), Rishon LeZion, Israel, September 18-21, 2000.
- Lidz, B.H., and P. Hallock. 2000. Testing a multi-tiered stress-gradient model for risk assessment using sediment constituents from coral reef environments. Carbonate Beaches 2000, Key Largo, FL, Dec. 5-8, 2000.
- Hallock P. and H. Crevison*. 2001. Foraminifers as bioindicators in coral reef ecosystems: the FoRAM protocol. EMAP Symposium, Pensacola Beach, Florida, April, 2001.
- Hallock, P., Williams*, D.E., and Crevison*, H. 2001. Larger foraminifers as bioindicators in coral reef environments. North American Paleontological Convention, Berkeley, California, 06/01.
- Isern, A.R., Anselmetti, F., Blum, P. and Shipboard Scientific Party, 2001. 2001. Sea-level Magnitudes Recorded by Miocene Continental Margin Sequences on the Marion Plateau, Northeast Australia: ODP Leg 194. American Geophysical Union Spring Meeting, Boston, MA. 05/01.
- Kindler, P., Anselmetti, F.S., Isern, A.R., Karner, G.D., and ODP Leg 194 Shipboard Scientific Party. 2001. An example of carbonate edifice nucleation in a topographic depression: the MP3 platform from the Marion Plateau, NE Australia. 21st IAS Meeting of Sedimentology.
- Stewart, Duncan R M, Michael W Howell, Wuchang Wei, Pamela Hallock & Leg 194 Shipboard Scientific Party, Palaeoceanography and climate change: preliminary results from ODP Leg 194. Palaeoceanography and climate change, 25-26th April 2001 London: The William Smith Meeting of the Geological Society.
- Williams*, D.E., P. Hallock, and G. McRae. 2001. Photic stress and bleaching in the foraminifer *Amphistegina gibbosa*. Second Symposium on Marine Conservation Biology, San Francisco, California, 06/01.
- Talge*, H.K. and P. Hallock. 2001. Physiological and cytological examination of normal and stressed *Amphistegina gibbosa*. XI International Congress of Protozoology, Salzburg, Austria, July 15-19, 2001. Abstracts, p. 20.
- Crevison*, H. and P. Hallock. 2001. Foraminifera as bioindicators in coral reef assessment and monitoring: A CD-based user's manual. Geological Society of America Annual Meeting, Boston, MA, Nov. 4-8, 2001. GSA Abstracts with Programs, 33(6):A194.
- Eberli, G., Anselmetti, F.S., Isern, A.R., Hine, A.C., Hallock Muller, P. 2001. The remarkable similarity in the architecture of isolated tropical and cool subtropical carbonate platforms. Geological Society of America Annual Meeting, Boston, MA, Nov. 4-8, 2001. GSA Abstracts with Programs, 33(6):A408.
- Hallock, P., D.E. Williams*, and H.K. Talge*. 2001. Ecologic effects of ozone depletion: A case study using the symbiont-bearing foraminifer *Amphistegina gibbosa*. Geological Society of America Annual Meeting, Boston, MA, Nov. 4-8, 2001. GSA Abstracts with Programs, 33(6):A161.
- Hallock Muller, P. 2002. Foraminifers as Bioindicators in Coral Reef Ecosystems. EPA Science Forum, 1-2 May, Washington, DC. p. 25-26.
- Hoare*, A.M., P. Hallock, B.H. Lidz, C.D. Reich, and E.A. Shinn, 2002. Analysis of Biscayne Bay sediments: do benthic foraminifera of the bay reflect trace metal contamination? Program and Abstracts 2002 Benthic Ecology Meetings, 21-24 March, Orlando, FL.
- Williams*, DE, Hallock P, McRae G., Otis**, D., 2002. Bleaching Stress and Photosensitivity in *Amphistegina gibbosa*, a reef-dwelling foraminifer. Program and Abstracts 2002 Benthic Ecology Meetings, 21-24 March, Orlando, FL.
- Hallock, P., and Barnes*, K. 2002. Micro- and Meiobiota in Environmental Monitoring and Risk Assessment of Coral Reefs: Developing Tools for the Toolbox. EMMM'2002, The Third International Congress " Environmental Micropaleontology, Microbiology and Meiobenthology", Vienna, Austria, 09/02/02, Program and Abstracts, pp. 94-96.
- Hallock, P., Crevison*, H.L. 2002. Foraminifera as Bioindicators in Coral Reef Assessment and Monitoring: The Foram Index. EMMM'2002, The Third International Congress " Environmental Micropaleontology, Microbiology and Meiobenthology", Vienna, Austria, 09/04/02, Program and Abstracts, pp. 96-97.

Hallock, P. 2002. Foraminifers as Bioindicators in Coral Reef Ecosystems. Geological Society of America Annual Meeting, Denver, CO, 10/29/02. GSA Abstracts with Programs, 34(6):384-385.

Published Abstracts (cont.)

- Hallock, P., F.S. Anselmetti, A.R. Isern, P. Blum, and Leg 194 Shipboard Party. 2002. Environmental Sensitivity of Biotic Assemblages in Subtropical Carbonate Buildups: Miocene Examples from the Marion Plateau, Australia (ODP Leg 194). Geological Society of America Annual Meeting, Denver, CO, 10/28/02. GSA Abstracts with Programs, 34(6):167.
- Hoare*, A.M., Hallock, P., B. H. Lidz, C. Reich, E.A. Shinn, 2002. Do Benthic Foraminiferal Assemblages Reflect Heavy Metal Contamination in Sediments of Biscayne Bay, Florida, USA? Geological Society of America Annual Meeting, Denver, CO, 10/29/02. GSA Abstracts with Programs, 34(6):384.
- Barnes*, K. and P. Hallock. 2003. Spatial and temporal distribution of diatom endosymbionts in *Amphistegina gibbosa* (Foraminifera): Preliminary findings. 4th International Symbiosis Society Congress, Halifax, NS, Canada, August 2003. Schedule and Abstracts, p. 141-142.
- Hallock, P., D.E. Williams*, S.K. Toler*, and H.K. Talge*, 2003. Bleaching and ozone depletion: A case study using the symbiont-bearing foraminifer *Amphistegina gibbosa*. 4th International Symbiosis Society Congress, Halifax, NS, Canada, August 2003. Schedule and Abstracts, p. 32.
- Obrochta**, S.P., Hine, A.C., Flower, B., Hallock, P., and Brooks, G.R., 2003, Quantification of the changing sedimentary architecture of a continental margin sediment drift as a result of the mid Pleistocene Climate Transition: EOS Trans. AGU, 84 (6), Fall Meet. Suppl. Abstract PP51C-0937, 2003.
- Carnahan*, E.A., A.M. Hoare*, P. Hallock, B.H. Lidz, C.D. Reich, and E.A. Shinn. 2004. Foraminifera as Bioindicators of Heavy Metal Pollution in Biscayne Bay, Florida. 2004 Benthic Ecology Meeting, Mar. 25-28,2004, Mobile, Alabama, Program and Abstracts.
- Daniels*, C.A., Hallock, P., and Lidz, B.H. (2004), Development and Application of the SEDCON Index for Resource and Risk Assessment of Coral Ecosystems, Eos Trans. AGU, 85(47), Fall Meet. Suppl., Abstract OS51C-1312.
- Fisher*, E. M., Hallock, P., Woodley, C. M. 2004. Relationship between sedimentation and regeneration in *Montastrea* spp. (Scleractinia). ASLO/TOS Ocean Research Conference, Feb. 15-20, 2004, Honolulu, Hawaii.
- Fisher*, E. M., Hallock, P., Fauth, J. E., Downs, C. A., and Woodley, C. M. 2004. Evaluating coral condition in *Montastrea* spp. (Scleractinia) at individual and cellular scales. 2004 Benthic Ecology Meeting, Mar. 25-28,2004, Mobile, Alabama, Program and Abstracts.
- Hallock, P., K. Sheps*, and M. Howell. 2004. Larger benthic foraminifers of the Marion Plateau, NE Australia (ODP Leg 194): Miocene faunas from bryozoan and red-algal dominated carbonate platforms. Geological Society of America Annual Meeting, Denver, CO, November 9, 2004, GSA Abstracts with Program 36(5): 370.
- Hallock, P., D.E. Williams*, S.K. Toler*, E.M. Fisher*, and H.K. Talge*. 2004. Photic Stress and Bleaching in Reef-Dwelling Foraminifera: A 20 Year Retrospective. 10th International Coral Reef Symposium, Okinawa, Japan, June 2004. Abstracts, p. 322.
- Hallock, P., B.H. Lidz, E. Carnahan*, C. Daniels*, and A.M. Hoare*. 2004. Three Low-Cost Tools for Reef Monitoring and Risk Assessment: Distinguishing Local from Global Stresses. 10th International Coral Reef Symposium, Okinawa, Japan, June 2004. Abstracts, p. 332.
- Hallock, P., B.H. Lidz, E. Carnahan*, C. Daniels*, and A.M. Hoare*. 2004. Distinguishing Local from Global Stresses: Low-Cost Tools for Reef Monitoring and Risk Assessment. The Association for Tropical Biology and Conservation (ATBC Miami 2004), July 14, 2004. p. 75.
- Sheps*, K. and P. Hallock. 2004. Constraining paleoenvironment and paleowater depth using benthic foraminiferal assemblages from carbonate sediments (ODP Leg 194, Marion Plateau, NE Australia). Geological Society of America Annual Meeting, Denver, CO, November 9, 2004; GSA Abstracts with Program 36(5): 370.
- Woodley, C.M., J.C. Halas, P. Hallock-Muller, J.E. Fauth, C.A. Downs, E.M. Fisher*, S. L. Ryan, J.Halas. 2004. Integrating Marine technology into coral reef health assessment. 10th International Coral Reef Symposium, Okinawa, Japan, June 2004. Abstracts, p. 125.

Carnahan*, E.A., Hoare*, A.M., Hallock, P., Lidz, B.H., Reich, C.D., Shinn, E.A. 2005. Foraminiferal Assemblages and Geochemical Properties of Sediments in Biscayne Bay, Florida. Geological Society of America Annual Meeting, Salt Lake City, Utah, October 2005.

Hallock, P. 2005. Energetics in acclimation and adaptation to environmental extremes. Geological Society of America Annual Meeting, Salt Lake City, Utah, October 2005.

Published Abstracts (cont.)

- Fisher*, E.M., Hallock, P., and Woodley, C.M. 2005. Atlantic and Gulf Rapid Reef Assessment (AGRRA): A tool for multiscale studies of Florida Coral Reefs. Geological Society of America Annual Meeting, Salt Lake City, Utah, October 2005.
- McCloskey*, B.J., P. Hallock, R. Price**, T. Pichler. 2005. Foraminifera in extreme environments: How benthic populations react to exposure to high [As], low pH hydrothermal vent fluids in Papua New Guinea and in the laboratory. Geological Society of America Annual Meeting, Salt Lake City, Utah, October 2005.
- Mateu-Vicens*, G., P. Hallock, and M. Brandano. 2005. *Amphistegina*, Red Algae and Paleobathymetry: The Lower Tortonian Distally Steepened Ramp of Menorca, Balearic Islands (Spain); Geologic Problem Solving with Microfossils, Houston, Texas, March 6-11, 2005.
- Ayoub*, L.M., Hallock, P., Coble, P., Fisher*, E.M. 2006. Solar Irradiance In Coral Reefs: Modeling and Management Tools. Ocean Optics XVIII - Montreal, October 2006
- Carder, K.L., Reinersman, P.N., and Hallock, P. 2006. The UVB-PAR Environment About a Coral Head: A 3-D Model of Light Effects Related to the Bleaching of Corals and Foraminifera, Ocean Optics XVIII, Montreal, Canada, October 2006.
- Dupont*, J M ; Hallock, P ; Beaver, C ; Jaap, W C. 2006. Effects of the 2005 red tide on epibenthic macroinvertebrates and fish communities in the eastern Gulf of Mexico. American Society for Limnology and Oceanography Meeting, Victoria, BC, June 2006;
<http://www.sgmeet.com/aslo/victoria2006/sessionschedule.asp?SessionID=TS-E03>
- Hallock, P. and Crevison*, H. 2006. Larger Foraminifers as Indicators of Global Environmental Change. Geological Society of America Annual Meeting, Philadelphia, October 2006.
- Hallock, P., D.E. Williams*, E.M. Fisher*, S.K. Toler*. 2006. Bleaching in Foraminifera with Algal Symbionts: Implications for Reef Monitoring and Risk Assessment. FORAMS 2006, Natal, Brazil, Sept. 2006.
- Hallock, P., Carnahan*, E.A., Daniels*, C., Fisher*, E.M. 2006. Distinguishing Local from Global Stresses: Three Low-Cost Tools for Coral-Reef Monitoring and Risk Assessment. 14th International Conference on Environmental Bioindicators and the 2nd Annual Meeting of the International Society for Environmental Bioindicators, April 24-26, 2006, Linthicum, MD. USA.
- Ayoub*, L., Coble, P., Hallock, P. 2007. Ultraviolet Radiation and Colored Dissolved Organic Material in the Florida Keys: Can Solar Irradiance Provide Clues to Managing Coral Reefs. Charlotte Harbor National Estuary Program CDOM workshop, May 30, 2007.
- Crevison*, H. L., Hallock, M., 2007, Morphological Abnormalities In *Archaias angulatus* (Foraminifera) From The Florida Keys (USA): An Indication Of Environmental Change? IGERT Student Symposium, Tampa, Florida.
- Crevison*, H. L., Hallock, P. 2007, Morphological Abnormalities in *Archaias angulatus* from the Florida Keys: An Indication of Environmental Change? ASLO Conference, Santa Fe, New Mexico.
- Crevison*, H.L., Hallock, P. 2007. Morphological abnormalities in *Archaias angulatus* (Foraminifera) from the Florida Keys (USA): An indication of environmental change? Geological Society of America Annual Meeting, Denver, CO, October 2007.
http://gsa.confex.com/gsa/2007AM/finalprogram/abstract_130433.htm
- Hallock, P., Pomar, L. 2007. Understanding the Role of Paleooceanography in Diversification and Extinction in Perforate Larger Benthic Foraminifers Using Morphologic Evidence for Algal Symbiosis. Geological Society of America Annual Meeting, Denver, CO, October 2007.
http://gsa.confex.com/gsa/2007AM/finalprogram/abstract_128304.htm
- McCloskey*, B. J. and Hallock, P. 2007. Foraminiferal assemblage responses to naturally-induced high arsenic concentrations in a shallow-water hydrothermal system in northeastern Papua New Guinea. European Geosciences Union General Assembly, 15-20 April, Vienna, Austria, EGU2007-A-08541 (<http://www.cosis.net/abstracts/EGU2007/08541/EGU2007-J-08541.pdf>)
- Ramirez*, A., Ayoub*, L., Duncan Baker*, R., Hallock*, P. 2007. Foraminifers as indicators of photo-oxidative stress: Comparing bleaching prevalence in foraminifers with rates of decline in coral cover in the Florida Keys, USA. Geological Society of America Annual Meeting, Denver, CO, October 2007. http://gsa.confex.com/gsa/2007AM/finalprogram/abstract_130274.htm

Ayoub*, L., Hallock, P., Coble, P. 2008. Solar irradiance and coral reefs: Modeling and management tools. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, Fl. p. 135.

Published Abstracts (cont.)

- Dupont*, J., Hallock, P., Jaap, W. 2008. Benthic and fish community succession after the 2005 red tide disturbance in the eastern Gulf of Mexico: Are artificial reefs effective mitigation tools. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 223.
- Fisher-Moses*, E., Woodley, C., Fauth, J., Hallock, P. 2008. Differentiating between global versus local stressors in Florida Keys coral reef ecosystems based on a cellular diagnostic system and coral regeneration rates. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 433.
- Hallock, P. 2008. Goldilocks and the Three Biogenic Carbonate Minerals: What Determines “Just Right”? Geological Society of America Annual Meeting, Houston, TX, October 2008.
- Hallock, P., Pomar, L. 2008. Cenozoic Photoc Reef and Carbonate Ramp Habitats: A New Look Using Paleoceanographic Evidence. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 7.
- Hallock, P., Robbins, L.L., Peters*, M. 2008. Are subtropical calcareous green algae responding to ocean acidification? Ocean Sciences Meeting, March 2-7, 2008, <http://aslo.org/orlando2008/files/2008osm-abstracts.pdf>, p. 150.
- Martinez-Colon*, M., Green-Ruiz, C., Hallock, P. 2008. Benthic Foraminiferal Assemblages as Bio-Indicators of Potentially Toxic Elements in Puerto Rico. Geological Society of America Annual Meeting, Houston, TX, October 2008.
- Moustafa*, Z., Hallock, P. 2008. Resilience of a Red Sea Fringing Coral Reef under Extreme Environmental Conditions: A Four-Year Study. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 435.
- Peters*, M., Palandro, D., Hallock, P., Shinn, E. 2008. Assessing patterns of patch reef distributions in the lower Florida Keys, USA, Using Ikonos satellite imagery. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 405.
- Pomar, L., Hallock, P. Mesozoic and Cenozoic carbonate factories: reexamining responses to global-scale changes. Geophysical Research Abstracts, Vol. 10, EGU2008-A-00000, 2008, EGU General Assembly 2008.
- Ramirez*, A., Daniels*, C., Hallock, P. Application of the SEDCON Index on Patch Reefs in Biscayne National Park, Florida. Abstracts, 11th International Coral Reef Symposium 2008, Fort Lauderdale, FL. p. 279.
- Robbins, L.L., Knorr**, P., Hallock, P., Yates, K. 2008. Comparison of *Halimeda* aragonite from 40 years of archived field samples with specimens grown in high pCO₂ seawater. The Ocean in a High CO₂ World Meeting, Monaco, Oct. 6-8, 2008. <http://www.highco2world-ii.org/main.cfm?cid=975&nid=10577>
- Hallock, P. 2009. Symbiont-bearing foraminifers as bioindicators for coral reefs: Uses and limitations. Geological Society of America, Annual Meeting, Portland, OR, 10/20/09 http://gsa.confex.com/gsa/2009AM/finalprogram/abstract_161227.htm
- Hallock, P. 2009. From a one-room country school on the prairie to two decades as a marine science professor: the unlikely saga of a pre-Title IX girl. Geological Society of America, Annual Meeting, Portland, OR, 10/20/09. http://gsa.confex.com/gsa/2009AM/finalprogram/abstract_161214.htm
- Hallock, P. 2009. Will global environmental changes influence production and preservation of larger benthic foraminiferal shells in carbonate sediments? Geological Society of America, Annual Meeting, Portland, OR, 10/21/09. http://gsa.confex.com/gsa/2009AM/finalprogram/abstract_161220.htm
- Martinez-Colon*, M., Bortnak**, D., Williams*, R., Hallock, P. 2009. Morphometric analysis of the shells of *Ammonia* spp. from a polluted estuary, Torrecilla Lagoon, Puerto Rico. Geological Society of America, Annual Meeting, Portland, OR, 10/19/09. http://gsa.confex.com/gsa/2009AM/finalprogram/abstract_162030.htm
- Crevison Souder*, H., Hallock, P., Byrne, R., McCloskey*, B.J. 2010. Shell anomalies in a population of *Archaias angulatus* from Florida (USA) sampled in 1982-83 and 2006-07. Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany.

- Hallock, P. 2010. Sea Level Rise and Coral Reefs: Predicting Responses. Sea Level Rise 2010 Conference, Corpus Christi, Texas, March 1-3, 2010.
- Hallock, P. 2010. Evidence for environmental stress in *Amphistegina* shells. Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany.

Published Abstracts (cont.)

- Hallock, P. 2010. What Do Reef-Dwelling Foraminifera Reveal About Stressors of Coral Reefs? *Linking Science to Management: A Conference and Workshop on the Florida Keys Marine Ecosystem*, October 2010 (poster).
- Hallock, P., McCloskey*, B.J., Engel*, B., Price**, R., Pichler, T. 2010. Influence of a Shallow-Water Hydrothermal Vent System at Ambitle Island, Papua New Guinea, on Tropical Foraminiferal Assemblages. Geological Society of America, Annual Meeting, Denver, CO, 11/01/10. http://gsa.confex.com/gsa/2010AM/finalprogram/abstract_181780.htm
- Knorr**, P.O., Robbins, L.L., Hallock, P. 2010. Experimental observations of the benthic foraminifer *Amphistegina gibbosa* maintained under elevated pCO₂. Ocean Sciences Meeting, 22-26 February 2010, Portland, Oregon.
- McIntyre-Wressnig, A., Bernhard, J.M., McCorkle, D.C., Hallock, P. 2010. Impact of elevated pCO₂ on survival and test structure of benthic foraminifera. Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany.
- McIntyre-Wressnig, A., Bernhard, J.M., McCorkle, D.C., Hallock, P. 2010. Impact of future elevated atmospheric pCO₂ and ocean acidification on benthic foraminifera. Ocean Sciences Meeting, 22-26 February 2010, Portland, Oregon.
- McIntyre-Wressnig, A., Bernhard, J.M., McCorkle, D.C., Hallock, P. 2010. Impact of elevated pCO₂ on survival and test structure of benthic foraminifera. Geological Society of America, Annual Meeting, Denver, CO, 11/01/10. http://gsa.confex.com/gsa/2010AM/finalprogram/abstract_178368.htm
- Martínez-Colón*, M., Hallock, P. 2010. Observations of growth of *Ammonia* in elevated copper concentrations: Do heavy metals really cause shell deformities? Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany
- Stephenson*, C.M., Hallock, P. 2010. Foraminifera Assemblages on Reef Rubble vs. Sediments on Conch Reef, Florida Reef Tract. *Linking Science to Management: A Conference and Workshop on the Florida Keys Marine Ecosystem*, October 2010 (poster).
- Triantaphyllou, M.V., Dimiza, M.D., Koukousioura**, O., Katsis, D., Hallock, P. 2010. Life cycle of symbiont-bearing foraminifer *Amphistegina lobifera* in coastal ecosystems of Aegean Sea (Greece, E. Mediterranean). Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany.
- Hallock, P. 2011. What Do Reef-Dwelling Foraminifera Reveal About Stressors of Coral Reefs? ASLO Spring Meeting, San Juan, Puerto Rico, 02/2011.
- Hallock, P., McCloskey*, B.J., Engel*, B., Price**, R., Pichler, T. 2011. Influence of a Shallow-Water Hydrothermal Vent System at Ambitle Island, Papua New Guinea, on Tropical Foraminiferal Assemblages. Ocean acidification: A problem in the tropics? Leibniz Center for Tropical Marine Ecology, University of Bremen, Germany, Nov. 1, 2011.
- Hallock, P., Triantaphyllou, M.V., Dimiza, M.D., Koukousioura**, O. 2011. An invasive foraminifer in coastal ecosystems of the eastern Mediterranean: Implications for understanding larger foraminiferal-dominated biofacies in the Cenozoic. Geological Society of America, Annual Meeting, Minneapolis, MN, Oct. 12, 2011.
- Martínez-Colón*, M., Hallock, P., 2011. Considerations in the Design of Culture Experiments: *Ammonia* spp. in Cu-enriched seawater? Geological Society of America, Annual Meeting, Minneapolis, MN, Oct. 12, 2011.
- Martínez-Colón*, M., Hallock, P., Green-Ruiz, C. 2011. Pollution and bioavailability of potentially toxic elements in Jobs Bay National Estuaries Research Reserve. ASLO Spring Meeting, San Juan, Puerto Rico, 02/2011.
- Ross*, B., Hallock, P. 2011. Acute and Sub-acute Effects of Exposure to Dispersant Chemicals on the Larger Foraminifer *Amphistegina gibbosa* (Abstract-Poster). Florida Association of Benthologists, Tampa, FL, October 26-28, 2011.
- Collins, L.S., Hallock, P., Pletka, C.R., Beck, K.D. 2012. Deep-water foraminiferal response to the catastrophic Deepwater Horizon Well oil spill, northeastern Gulf of Mexico. Geological Society of America Annual Meeting, Charlotte, NC, November 2012. <https://gsa.confex.com/gsa/2012AM/webprogram/Paper212234.html>

Hallock, P., Pomar, L. 2012. Cenozoic evolution of carbonate shelf and ramp habitats: Insights from paleoceanography. AAPG Annual Convention, Long Beach, Ca., April 22-25, 2012.

Published Abstracts (cont.)

- Hallock, P. 2012. The FORAM Index revisited: Usefulness, challenges and limitations. International Coral Reef Symposium, Cairns, Australia, July 9-13, 2012.
- Hallock, P. 2012. The FoRAM Index: A single-metric indicator of coastal and reef water quality. Geological Society of America Annual Meeting, Charlotte, NC, November 2012. <https://gsa.confex.com/gsa/2012AM/webprogram/Paper212310.html>
- Hallock, P. 2012. Strategies for energy capture indicate environments of carbonate production. Geological Society of America Annual Meeting, Charlotte, NC, November 2012. <https://gsa.confex.com/gsa/2012AM/webprogram/Paper212368.html>
- Mendez-Ferrer*, N., Hallock, P. 2012. Photo-oxidative stress and bleaching in the foraminiferan *Amphistegina gibbosa* d'Orbigny: A PAM fluorometry approach. Florida Academy of Science Meeting, Tampa, Florida, March 16-17, 2012.
- Mendez-Ferrer*, N., Hallock, P. 2012. Quantifying photic stress in algal symbionts of larger benthic foraminifers. Geological Society of America Annual Meeting, Charlotte, NC, November 2012. <https://gsa.confex.com/gsa/2012AM/webprogram/Paper212264.html>
- Ross*, B., Hallock, P. 2012. Assessing acute and long term effects of chemical exposure in Foraminifera: Challenges and new directions. Florida Academy of Science Meeting, Tampa, Florida, March 2012.
- Ross*, B. J., Hallock, P. 2012. Responses to chemical exposure by Foraminifera: Distinguishing dormancy from mortality. Geological Society of America Annual Meeting, Charlotte, NC, November 2012. <https://gsa.confex.com/gsa/2012AM/webprogram/Paper212108.html>
- Triantaphyllou, M.V., Dimiza, M.D., Koukousioura**, O., Hallock, P. 2012. The role of symbiont-bearing foraminifer *Amphistegina lobifera* in coastal ecosystems of the Aegean Sea (Greece, NE Mediterranean). TMS Foraminifera and Nannofossil Groups Joint Annual Meeting 2012. 21-22 June 2012, Edinburgh, Scotland.
- Wirt*, K., Hallock, P., Palandro, D., Daly, K. 2012. Potential Habitat of *Acropora* spp. on Florida Reefs. Florida Academy of Science Meeting, Tampa, Florida, March 16-17, 2012.
- Bartlett*, L., Colella, M., Brinkhuis, V., Ruzicka, R., Hallock, P., Lunz, K., Moulding, A. 2013. Coral Recruitment to Disturbed Patch Reefs of the Florida Reef Tract. Benthic Ecology Meeting, Savannah, GA, March 2013.
- Mendez-Ferrer*, N., Hallock, P. 2013. Assessing photochemical performance in algal symbionts of *Amphistegina gibbosa*. NSF Puerto Rico LSAMP conference, March 9, 2013.
- Mendez-Ferrer*, N., Hallock, P. 2013. Monitoring photosynthetic performance in *Amphistegina gibbosa* (Foraminifera) from the Florida Keys. Benthic Ecology Meeting, Savannah, GA, March 2013.
- Hallock, P., 2013. Anthropocene stress in reef-dwelling Foraminifera: Taphonomic evidence. Geological Society of America Annual Meeting, Denver, CO, USA. October 2013.
- Hallock, P., 2013. Women in the geosciences: The amazing power of one!. Geological Society of America Annual Meeting, Denver, CO, USA. October 2013.
- Bartlett*, L., Brinkhuis, V., Colella, M., Ruzicka, R., Hallock, P., Lunz, K., Moulding, A. 2014. Temporal Changes in Juvenile Density of Octocorals and Stony Corals Following Disturbance on Patch Reefs of the Florida Reef Tract. Benthic Ecology Meeting 2014, Jacksonville, FL, March 19-22, 2014.
- Collins, L.S., Hallock, P., Pletka, C.R., Beck, K.D. 2014. Environmental impact of the Deepwater Horizon Oil Spill on deep-sea benthic foraminifera. 10th North American Paleontological Convention, Gainesville, FL, February 15-18, 2014. Abstract Book, p. 14.
- Dimiza, M.D., Triantaphyllou, M.V., Koukousioura**, O., Hallock, P., Athanasiou, M., Moutmtzi, E., Simbhora, N., Papathanasiou, E., Hallock, P. 2014. Benthic foraminiferal assemblages as an environmental proxy in coastal ecosystems: The case of Saronikos Gulf (Aegean Sea, Greece). In Marchant, M. & Hromic, T. (eds.) International Symposium on Foraminifera Forams 2014, Chile, 19–24 January 2014, Abstract Volume. Grzybowski Foundation Special Publication 20, p. 94. <http://gf.tmsoc.org/Documents/Marchant+Hromic%202014%20GFSP20.pdf>
- Hallock, P., McCloskey*, B.J., Engel*, B. 2014. Preservation Potential versus Survival: Insights from the Vicinity of a Hydrothermal Vent System in Papua New Guinea. In Marchant, M. & Hromic, T. (eds.) International Symposium on Foraminifera Forams 2014, Chile, 19–24 January 2014, Abstract

Published Abstracts (cont.)

- Hallock, P. 2014. Why has optimum habitat for stony corals diverged from that for foraminifers with algal symbionts on the Florida reef tract? 10th North American Paleontological Convention, Gainesville, FL, February 15-18, 2014. Abstract Book, p. 13.
- Fisher Moses*, E., Hallock, P., Fauth, J.E., Woodley, C.M. 2014. Larger Benthic Foraminiferal Populations on the Florida Reef Tract Reveal the Interplay between Inshore and Offshore Environmental Stressors. Geological Society of America Annual Meeting, Vancouver, BC, Canada, October 2014. <https://gsa.confex.com/gsa/2014AM/webprogram/Paper242914.html>
- Méndez-Ferrer*, N and Hallock, P. 2014. Seasonal variation in the photosynthetic efficiency of algal symbionts in *Amphistegina gibbosa* (Foraminifera) in the Florida Keys. Ocean Science Meeting, Honolulu, Hawai'i.
- Beckwith*, S., Hallock, P. 2015. Distribution of *Archaias angulatus* on the Inner West Florida Shelf: Substrata and Water Chemistry versus Temperature. Geological Society of America Annual Meeting, Baltimore, MD (poster).
<https://gsa.confex.com/gsa/2015AM/webprogram/Paper268867.html>
- Brown*, E.A., Weinkauf, M.F.G., Hallock, P., Kucera, M. 2015. Assessment of the distribution of *Globigerinoides ruber* and *Globigerinoides elongatus* using a minimalist classification scheme. The Micropaleontological Society, Plymouth, UK (poster presentation).
- Hallock, P. 2015. Graduate mentoring: A creative process. Geological Society of America Annual Meeting, Baltimore, MD. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper269208.html>
- Hallock, P., Mateu Vicens, G., Pomar, L. 2015. Cenozoic Trends in Shallow-Water Carbonate Production: Insights from Chemistry, Climate and Biology. Geological Society of America Annual Meeting, Baltimore, MD. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper269072.html>
- Knorr**, P., Robbins, L.L., Wynn, J., Hallock, P., Harries, P. 2015. Effect of ocean acidification on large benthic foraminiferal stable isotope composition. Geological Society of America Annual Meeting, Baltimore, MD. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper267770.html>
- Martínez-Colón*, M., Hallock, P., 2015. Bioavailability and bulk heavy metal concentrations in Torrecilla Lagoon, Puerto Rico. Geological Society of America, Annual Meeting, Baltimore, MD. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper269378.html>
- Ross*, B.J., Hallock, P. 2015. Dormancy in the Foraminifera: Implications for the Past, Present and Future. Geological Society of America Annual Meeting, Baltimore, MD. <https://gsa.confex.com/gsa/2015AM/webprogram/Paper267520.html>
- Beckwith*, S.T., and Hallock, P. 2016. ABUNDANCE OF *ARCHAIAS ANGULATUS* ON THE INNER WEST FLORIDA SHELF SUGGESTS THE INFLUENCE OF CARBONATE ALKALINITY OVER SALINITY. Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.
- Brown, E. A. *, Weinkauf, M. F.G., Hallock, P. and Kucera, M. 2016. EVALUATING MORPHOSPACE DISCONTINUITY WITHIN THE *GLOBIGERINOIDES RUBER-ELONGATUS* PLEXUS, AND THE POTENTIAL FOR A CONSISTENT FOSSIL CLASSIFICATION SCHEME. Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.
- Brown, E. A. *, Weinkauf, M. F.G., Hallock, P. and Kucera, M. 2016. Quantitative assessment of the potential for consistent morphological classification of *Globigerinoides ruber* morphotypes. International Conference on Palaeoceanography (ICP12), Utrecht, The Netherlands, August 2016.
- Haller, C.**, Osterman, L.E., Smith, C.G., Hallock, P. and Hine, A. C. 2016. CHANNEL TO UPLAND TRANSITION: MODERN SALT-MARSH FORAMINIFERA FROM GRAND BAY, MISSISSIPPI SOUND. Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.
- Hallock, P., Mateu Vicens, G., Pomar, L. 2016. Why do coral reefs thrive in Icehouse World climates? Clues from larger benthic foraminifers. 13th International Coral Reef Symposium, Honolulu, HI. June 2016.

Hallock, P. 2016. How basic life history studies can inform and guide “omics” and other technology-intensive research. Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.

Méndez-Ferrer^{*}, N., Hallock, P., Jones, D. 2016. Photochemical efficiencies of diatom symbionts *in hospite* in *Amphistegina gibbosa* (Foraminifera) across seasons in the Florida Keys, USA. 13th International Coral Reef Symposium, Honolulu, HI. June 2016 .

Published Abstracts (cont.)

- Pisapia, C., Spezzaferri, S., El Kateb, A., Ibrahim, N., and Hallock, P. Foraminiferal bleaching in the Maldives: A tool to assess El Nino temperature-related coral bleaching? 13th International Coral Reef Symposium, Honolulu, HI. June 2016.
- Mendez-Ferrer, N.* , and Hallock, P. 2016. Changes in primary production as a result of symbiont-loss in the diatom-foraminifer holobiont *Amphistegina gibbosa* from the Florida Keys. (Invited Presentation). Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.
- Ross, B.J.* , and Hallock, P. 2016. Observations of the symbiont-bearing foraminifer *Amphistegina gibbosa* utilizing cell-tracker green and epifluorescent microscopy. Geological Society of America, Annual Meeting, Boulder Colorado, September 2016.
- Spezzaferri, S., Pisapia, C., El Kateb, A., Ibrahim, N., and Hallock, P. 2016. Assessing coral reef health in the North Ari atoll, Maldives using the Foram Index. 13th International Coral Reef Symposium, Honolulu, HI. June 2016.
- Hallock, P., Papazzoni, C.A., and Seddighi, M. 2017. A proposed model for carbonate banks characterized by large, flat, benthic foraminifers. Geological Society of America, Annual Meeting, Seattle, WA. October 2017.

Invited Lectures

- January 1978 Carbonate production on coral reefs by benthic foraminifera. Department of Geology, Hebrew University of Jerusalem, Israel.
- January 1978 Trends in test shape in symbiont-bearing foraminifera. Department of Oceanography, Hebrew University of Jerusalem, Israel.
- March 1978 Sediment production on coral reefs by benthic foraminifera. Institute of Historical Geology and Paleontology, University of Copenhagen, Denmark.
- August 1982 Evolution and extinction in larger foraminifera. Symposium on Paleobiology of Foraminifera, North American Paleontological Convention, Montreal, Canada.
- October 1982 Evolution and extinction in carbonate-producing organisms. San Angelo Geological Society, San Angelo, Texas.
- March 1983 Evolution and extinction in carbonate-producing organisms. Permian Basin Section - Society of Economic Paleontologists and Mineralogists, Midland, Texas.
- April 1983 Algal symbiosis: Implications for micropaleontology. Society of Economic Paleontologists and Mineralogists - Marine Micropaleontology Research Group, AAPG-SEPM Annual Meeting, Dallas, Texas.
- January 1985 Why are larger forams large? Geology Department Colloquium, University of South Florida, Tampa.
- June 1985 Ecologic and evolutionary implications of large size in foraminifera. VII International Congress of Protozoology, Nairobi, Kenya.
- February 1986 How nutrients kill coral reefs. Department of Geology Seminar, University of South Carolina, Columbia.
- February 1986 How nutrients kill coral reefs. Department of Geology - Curriculum in Marine Science Joint Seminar, University of North Carolina, Chapel Hill.
- August 1986 Bioerosion as an indicator of nutrient availability in carbonate depositional environments. Fourth North American Paleontological Convention, Symposium on ecological and evolutionary implications of taphonomic processes, Boulder, CO.
- August 1986 Musings on functional morphologies in larger foraminifera. Fourth North American Paleontological Convention, Symposium on functional morphology in foraminifera, Boulder, Colorado.
- September 1986 Notes on coiling direction in trochospiral foraminifera. Plenary session on quantitative methods, Benthos '86, An International Symposium on Benthic Foraminifera, Geneva, Switzerland.
- September 1986 Diversification in algal symbiont-bearing foraminifera: a response to oligotrophy? Plenary session on understanding benthic environments and the application to exploration for mineral resources, Benthos '86, An International Symposium on Benthic Foraminifera, Geneva, Switzerland.
- September 1986 Paleooceanographic nutrients and the evolution of larger reef foraminifera. Second International Conference on Paleooceanography, Symposium on evolution and the marine record, Woods Hole, Massachusetts.
- September 1986 Nutrient control of biogenic sedimentation in low-latitude, shallow-water environments. SEPM Mid-Year Meeting, Symposium on reefs in time and space revisited, Raleigh, North Carolina (with S. W. Snyder, presented by S. W. Snyder).
- July 1987 Presented two short communications to the Working Group on Evolution and Extinction of Oceanic Biota at COSOD II (meeting on the future of Scientific Ocean Drilling) in Strasbourg, France (participation by invitation).
- July 1987 How nutrients kill coral reefs. Laboratory for Oceans, NASA Goddard Space Flight Center, Greenbelt, Maryland.
- July 1987 Chlorophyll Fluctuations in Oceanic Waters in the Vicinity of the Nicaraguan Rise: Summary of Activities under 1987 NASA/ASEE Summer Faculty Fellowship Program, NASA Goddard Space Flight Center, Greenbelt, Maryland.

- September 1988 Recognizing paleonutrient influence on carbonate platform drownings in the geologic record. Global Sedimentary Geology Program: Cretaceous Resources, Events and Rhythms - Working Group 4: Development and Demise of Carbonate Platforms, Marseilles, France.
Invited Lectures (cont).
- March 1989 Platforms of the Nicaraguan Rise: Examples of the sensitivity of carbonate sedimentation to excess nutrients. University of South Florida, Department of Geology Colloquium.
- March 1989 How nutrients kill coral reefs. University of Tennessee, Department of Geological Sciences Colloquium.
- April 1989 How nutrients kill coral reefs. University of Florida, Department of Geology Colloquium.
- August 1989 Coral reefs. St. Petersburg Historical Society, St. Petersburg, Florida.
- September 1989 Correlation between carbonate-platform benthos and planktonic foraminiferal evolution through Paleogene paleoceanographic changes. 3rd International Conference on Paleoceanography (ICP III), Cambridge, England.
- November 1989 Nutrifcation Impact on Fishery Habitats. Gulf Coast Fishery Management Council, Florida/Alabama Habitat Protection Advisory Panel, Tampa, Florida.
- January 1990 Nutrient excess and the demise of coral reefs and carbonate platforms. University of Texas at Dallas, Geosciences Colloquium.
- October 1990 How nutrients kill coral reefs. Florida State University, Oceanography Colloquium.
- October 1991 Bimodality in coral and algal carbonate production: An example from the Nicaraguan Rise, western Caribbean. UNOCAL, Brea, California.
- November 1991 Coral reefs and environmental change: A global perspective. Wesleyan University, Middletown, Connecticut.
- February 1992 Coral reefs: Delicate Balance, Precarious Prospects. Design Center of the Americas: Americus Conference, Dania, Florida.
- April 1992 Trophic Resources and Evolution: Examples from Foraminifera. University of Chicago, Chicago, Illinois.
- April 1992 Bimodality in Coral and Algal Carbonate Production: An Example from the Nicaraguan Rise. University of Chicago, Chicago, Illinois.
- April 1992 Bimodality in Coral and Algal Carbonate Production: Space for Rudists? University of Wisconsin, Madison, Wisconsin.
- July 1992 Bleaching in a Reef-Dwelling Foraminifer, *Amphistegina gibbosa*. University of Hawaii, Honolulu, Hawaii.
- August 1992 Bimodality in Coral/Algal Carbonate Platforms: Ecospace for Rudists? Global Sedimentary Geology Program (GSGP) Cretaceous Resources, Events, and Rhythms (CRER) Global Geology of Cretaceous Reefs and Carbonate Platforms Working Group 4, Tremp, Spain.
- December 1992 Short Course on the Influence of Nutrients on Benthic Communities and the Effects on Carbonate Production:
Lecture 1: Nutrients and Modern Reefs
Lecture 2: Nutrients and Carbonate Sedimentation
Lecture 3: Nutrients, Paleoceanography and Evolution
Catalan Institute of Natural History, Barcelona, Spain
- August 1993 Ocean mixing, paleoproductivity, and biomineralization: How useful are icehouse-world models for greenhouse-world questions? Invited Plenary Address for Paleoproductivity and Ocean Mixing, SEPM Theme Meeting, August 8-12, 1993, Pennsylvania State University, University Park.
- January 1995 *Amphistegina* Densities as a Practical, Reliable, Low-Cost Indicator of Coral Reef Vitality. USEPA/NOAA Sponsored Symposium on Methods for Assessing the Biota and Habitat Conditions of Coral Reefs. Annapolis, Maryland.

June 1995 Florida's Coral Reefs: Do They Have a Future?, University of South Florida,
St. Petersburg, Florida

September 1996 Bleaching in Reef-Dwelling Foraminifera. Department of Geology and Geophysics
1996-97 L.J. Wilbert Lecture Series, Louisiana State University, Baton Rouge,
Louisiana.

Invited Lectures (cont).

- November 1996 Nutrients, Coral Reefs and Carbonate Sedimentation Revisited. Department of Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh, North Carolina.
- February 1997 Bleaching in Reef-Dwelling Foraminifera. Department of Geology, University of Georgia, Athens, Georgia.
- February 1997 Bleaching in Reef-Dwelling Foraminifera: Is Ozone Depletion the Cause? Cause Seminar Series, Department of Geosciences and Earth System Science, Penn State University, University Park, Pennsylvania.
- May 1997 Series of lectures presented to Petrobras and City University, Rio de Janeiro, Brazil, May 28-30, 1997
Lecture 1. Coral Reef Decline: Causes and Implications
Lecture 2. Nutrients and Carbonate Sedimentation
Lecture 3. Larger foraminifera as Environmental Indicators for Coral Reefs
Lecture 4. Larger Foraminifera as Tools for Paleoenvironmental Interpretation
- February 1998 Habitats of Modern Larger Foraminifera: Taxonomic, Depth and Regional Comparisons. Tertiary to Recent Larger Foraminifera: Their Depositional Environments and Importance as Petroleum Reservoirs - Conference/Workshop. Kingston University, UK.
- September 1998 Larger Foraminifera as Indicators of Coral Reef Vitality. Department of Geological Sciences, University of Texas at Austin.
- September 1998 Nutrients and Carbonate Sedimentation. Department of Geological Sciences, University of Texas at Austin.
- September 1998 Senior Women in Academia: What are Role Models Worth? Association for Women Geoscientists, Lone Star Chapter, Austin Texas.
- January 1999 Senior Women in Academia: What are Mentors and Role Models Worth? Women's Campus Collective, University of South Florida-St. Petersburg.
- February 1999 Nutrients and Carbonate Sedimentation. Department of Geology, University of South Florida, Tampa.
- March 1999 Senior Women in Academia: What are Mentors and Role Models Worth? Association for Women Geoscientists, South Florida Chapter - Tampa.
- April 1999 Senior Women in Academia: What are Mentors and Role Models Worth? American Association for University Women Clearwater, Florida Chapter
- April 1999 Careers Panelist, Feminist Majority, New College/USF Sarasota Campus
- April 1999 Coral Reefs, MarineQuest, Florida Department of Environmental Protection, St. Petersburg, FL.
- May 1999 Coral Reefs and Global Change. U.S. Environmental Protection Agency Conference on Global Change: What does it mean for the Florida Keys? Marathon, FL.
- October 1999 Senior Women in Science: What are Mentors and Role Models Worth? Association for Women Geoscientists, Denver, Colorado.
- November 1999 Coral Reefs, Nutrients and Global Change, Department of Geology, University of Montana, Missoula.
- November 1999 Senior Women in Academia: What are Mentors and Role Models Worth? American Association of University Women, Vero Beach Chapter.
- January 2000 Global Change: Implications for Florida's Reefs. Departments of Biology and Geology, Kansas State University, Manhattan, Kansas.
- January 2000 Seminar: "Global Change: Implications for Florida's Reefs" and 1-day Workshop: "Larger Foraminifera as Tools for Paleoenvironmental Interpretation", Department of Geology, Wichita State University, Wichita, Kansas, sponsored by the WSU Geology Club/AAPG Student Chapter/Sigma Gamma Epsilon (with funding from the Association for Women Geoscientists).

March 2000 "The 1998 Class Action Gender Discrimination Case Against the University of South Florida: The Data and the Outcome" To: The Florida International University Chapter of the United Faculty of Florida, Miami, Florida. Invited Lectures (cont).

March 2000 "Larger Foraminifera as Indicators of Reef Vitality". Department of Geology Seminar, Florida International University, Miami, Florida.

April 2000 "Senior Women in Academia: What are Mentors and Role Models Worth?" To: American Association of University Women - Naples Beach Chapter, Naples, FL.

June 2000 "Coral Reefs in the 21st Century: Is the past the Key to the Future?" 10th Symposium on the Geology of the Bahamas, San Salvador, Bahamas.

August 2000 Foraminifera as Bioindicators in Coral Reef Ecosystems: The FoRAM Protocol. Keynote Speaker at AMEP-2000, Application of Micro and Meioorganisms to Environmental Problems, Winnipeg, Manitoba, Canada, August 28-31, 2000.

October 2000 "Coral Reefs in the 21st Century: Is the past the Key to the Future?" Department of Geology, Kent State University, Ohio.

October 2000 "Senior Women in Academia: What are Mentors and Role Models Worth?" Kent State University, Ohio.

November 2000 "Global Change: Implications for Florida's Coral Reefs", Marine Sciences Day, Phi Theta Kappa International Honor Society, St. Petersburg Junior College – Clearwater Campus.

April 2001 "Coral Reefs are Dying Worldwide. Local, regional and global threats to reefs", Earth Day, Williams Park, St. Petersburg, Florida.

May 2001 "Senior Women in the Sciences: What are Mentors and Role Models Worth?" Professional Seminar, Department of Geology, University of Massachusetts at Amherst.

May 2001 "Symbiont-Bearing Foraminifera: Harbingers of Global Change?", Organismic and Evolutionary Biology Seminar, University of Massachusetts at Amherst.

May 2001 "Adventures of "our own" AWG Marine Scientist On-board the Joides Resolution", South Florida Chapter, Association for Women in Science.

April 2001 Foraminifera as Bioindicators in Coral Reef Ecosystems. USEPA-NCER Science Seminar Series, Washington, DC.

September 2002 Micro- and Meiobiota in Environmental Monitoring and Risk Assessment of Coral Reefs: Developing Tools for the Toolbox. Plenary Address, EMMM'2002, The Third International Congress " Environmental Micropaleontology, Microbiology and Meiobenthology", Vienna, Austria.

October 2002 Hallock, P. 2002. Foraminifera as Bioindicators in Coral Reef Ecosystems. Geological Society of America Annual Meeting, Denver, CO.

March 2003 "Coral Reefs in the 21st Century: Is the past the Key to the Future?" Hosted by Marine Science Program, University of California at Santa Barbara.

March 2003 "Senior Women in Academia: What are Mentors and Role Models Worth?" WISE, University of California at Santa Barbara.

April 2003 Invited Lecture: From Satellites to Molecules: A Multi-scale Approach to Environmental Monitoring and Risk Assessment of Coral Reefs. KUDOS series, Science Journalism Center, University of South Florida – St. Petersburg.

September 2003 "Environmental Monitoring and Risk Assessment of Coral Reefs: A Multi-Scale Approach". Department of Environmental Studies Colloquium, Emory University, Atlanta, GA.

September 2003 "Senior Women in Academia: What are Mentors and Role Models Worth?", Emory University, Atlanta, GA.

September 2003 Invited Panelist, Where are the Women Geoscientist Full Professors" Workshop sponsored by NSF-Advance Program and AWG Foundation, Washington, DC.

October 2003 Invited Panelist: Women in the Workplace Series: Women in Academia. Campus Women's Collective, University of South Florida, St. Petersburg, FL.

January 2005 Distinguishing Local from Global Stresses: Low-Cost Tools for Reef Monitoring and Risk Assessment. Brown-bag seminar, Department of Geology, University of Missouri, Kansas City, Missouri.
Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture, University of Missouri, Kansas City, Missouri.
Invited Lectures (cont).

February 2005 Environmental Monitoring and Risk Assessment of Coral Reefs: A Multi-Scale Approach. Fort Johnson Marine Science Seminar Series, Charleston, SC

February 2005 Distinguishing Local from Global Stresses: Low-Cost Tools for Reef Monitoring and Risk Assessment. AWG Distinguished Lecture, University of Utah, Salt Lake City, Utah.

December 2005 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture: Geoscience Colloquium, University of Arkansas, Fayetteville.

May 2006 Coral Reefs in the 21st Century: Is the Past the Key to the Future?; Distinguishing Local from Global Stresses: Low-Cost Tools for Reef Monitoring and Risk Assessment; and Causes and Consequences of Bleaching in Reef-Dwelling Foraminifer – three lectures as part of a short course on Environmental Micropaleontology at the University of Athens, Greece.

September 2006 Plenary Speaker: Bleaching in Foraminifera with Algal Symbionts: Implications for Reef Monitoring and Risk Assessment. FORAMS 2006, Natal, Brazil.

October 2006 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture: Geoscience Colloquium, Kent State University, Ohio.

November 2006 Bleaching in Foraminifera with Algal Symbionts: Implications for Reef Monitoring and Risk Assessment.

February 2007 Coral Reefs in the 21st Century: Is the Past the Key to the Future? St. Petersburg Audubon Society, St. Petersburg, Florida..

July 2007 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Mote Marine Laboratory, Sarasota Florida.

September 2007 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture: Eckerd College, St. Petersburg, Florida.

February 2008 Using Foraminifers as Bioindicators for Coral Reefs and Other Tropical Coastal Environments: the Potential and the Challenges. Plenary Address, Fifth International Conference "Environmental Micropaleontology, Microbiology and Meiobenthology" (EMMM'2008), University of Madras, Chennai, India, February 2008 (delivered remotely by video).

February 2009 Goldilocks and the Three Biogenic Carbonate Minerals: What Determines "Just Right"? Department of Earth Sciences, Florida International University, Miami.

April 2009 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture for UNCW Women in Science and Engineering, University of North Carolina at Wilmington.

April 2009 Senior Women in Academia: What are Mentors and Role Models Worth? AWG Distinguished Lecture for UNCW Women in Science and Engineering, University of North Carolina at Wilmington.

June 2009 Careers in Marine Science - A Lot More than Manatees and Dolphins. 2009 USF Girls STEM Summit, University of South Florida, Sarasota Campus.

October 2009 Goldilocks and the Three Carbonate Minerals: What Determines "Just Right." Sperry Family-Five Colleges speaker for 2009, Williams College, Massachusetts.

October 2009 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Sperry Family-Five Colleges speaker for 2009, Williams College, Massachusetts.

November 2009 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Eckerd College Sigma Xi Chapter Speaker.

February 2010 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Hillsborough Community College Lecture Series.

March 2010 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture for Department of Earth Sciences, Montana State University, Bozeman, MT.

March 2010 Coral Reefs in the 21st Century: Is the Past the Key to the Future? AWG Distinguished Lecture for Department of Geology, University of Montana, Missoula, MT.
Invited Lectures (cont).

April 2010 Goldilocks and the Three Biogenic Carbonate Minerals: What Determines “Just Right”? Department of Geology, University of Cincinnati, Ohio.

May 2010 Plenary Lecture: Cenozoic Evolution of Benthic Carbonate Systems: Solving Paradoxes to Understand the Past and Predict the Future. International Conference: The Colors of Cretaceous and Paleogene Oceans in Honor of Isabella Premoli Silva, Verbania, Italy.

October 2010 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Aquatic Animal Health Program, University of Florida, Gainesville.

January 2011 Coral Reefs in the 21st Century: Is the Past the Key to the Future? Pasco County Environmental Lands Education Program, New Port Richey, Florida.

March 2011 Coral-Reefs of the 21st Century: Is the Past the Key to the Future. Environmental Science and Policy, USF-St Petersburg, Spring Seminar Series.

October 2011 Modern coral reefs under global change: New opportunities to understand carbonate depositional hiatuses The Paleontological Society Shortcourse: *Corals and Reefs: Crises, Collapse and Change*, Minneapolis, MN, Oct. 8, 2011.

October 2011 Coral reefs in the Anthropocene: What paradoxes can we learn from today? College of Marine Science Seminar, University of South Florida, St. Petersburg.

November 2011 Coral Reefs and Climate Change: Goldilocks or Canaries? Association of Senior Professional as Eckerd College, St. Petersburg, FL

November 2011 Influence of a Shallow-Water Hydrothermal Vent System at Ambitle Island, Papua New Guinea, on Tropical Foraminiferal Assemblages. Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany.

December 2011 Global Change in the 21st Century: Do Coral Reefs Have a Future? Satly Topics Seminar Series, Weedon Island Preserve, St. Petersburg, FL.,

January 2012 Global Change in the 21st Century: Do Coral Reefs Have a Future? Indian Rocks Beach Neighborhood Association Boat Club, Indian Rocks Beach, FL.

April 2012 Global Change in the 21st Century: Do Coral Reefs Have a Future? University of California, Merced, California.

May 2012 21st Century Coastal Environments: Do Coral Reefs Have a Future? Coastal Cities Summit, St. Petersburg, Florida.

October 2012 Bleaching in reef-dwelling foraminifers: implications for reef decline. Women in Science Lecture, Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany.

October 2012 Bleaching in reef-dwelling foraminifers: implications for reef decline. Alfred Wegener Institute for Polar and Marine Studies (AWI), Bremerhaven, Germany.

October 2012 Hallock, P. 2012. The FORAM Index revisited: Usefulness, challenges and limitations. USF-St Petersburg Environmental Science Seminar Series.

November 2012 The FoRAM Index: A single-metric indicator of coastal and reef water quality. Invited talk for The Role of Microfossils in Environmental Monitoring, Geological Society of America Annual Meeting, Charlotte, NC,

November 2012 Strategies for energy capture indicate environments of carbonate production. Invited talk for Heterozoan Carbonates in Time and Space, Geological Society of America Annual Meeting, Charlotte, NC, November 2012.

- October 2013 The FoRAM Index: A single-metric indicator of coastal and reef water quality. Alfred Wegener Institute for Polar and Marine Studies (AWI), Bremerhaven.
- October 2013 Anthropocene stress in reef-dwelling Foraminifera: Taphonomic evidence. Geological Society of America Annual Meeting, Denver, CO.
- April 2014 Modern Coral Reefs Under Global Change: Lessons from Goldilocks. AWG Distinguished Lecture, Colby College, Maine.
- March 2016 Two lectures: Cenozoic Trends in Shallow-Water Carbonate Production: Insights from Chemistry, Climate and Biology, and Women in the Geosciences: The Amazing Power of One. Association of Women Geoscientists Distinguished Lectures presented at University of Texas at Austin.

Invited Lectures (cont).

- April 2016 Cenozoic Trends in Shallow-Water Carbonate Production: Insights from Chemistry, Climate and Biology. Seminar for Louisiana State University College of the Coast and Environment.
- September 2017 Modern Coral Reefs Under Global Change: Opportunities to Understand Paradoxes in the Carbonate Record. University of Lausanne, Switzerland.
- September 2017 Forams as Bioindicators in Warm-Water Coastal Environments, Bridging gaps and generations in foraminiferal biomonitoring: toward a new COST action on pollution monitoring (FORAM-COST). Fribourg, Switzerland, September 2017.

Workshops Organized

- Co-organized, with Dr. John Lee of City University of New York, a Workshop on Foraminiferal Biology held at Lizard Island Research Station, Australia, on July 27-30, in conjunction with the 10th International Congress of Protozoology, which was held in Sydney 21-25 July 1997.
- Co-organizer, with Dr. Robert G. Loucks of ARCO Petroleum Company, Prof. Richard Moody of Kingston University, UK, and Dr. Mark Sonnenfeld of Elf Aquitaine Production Company, of an international Conference/Workshop entitled "Tertiary to Recent Larger Foraminifera: Their Depositional Environments and Importance as Petroleum Reservoirs", which was held in mid-February 1998, in Kingston, England.

Sessions Chaired at Professional Meetings

- Co-chair Sedimentology III: carbonates, evaporites, cherts. 1979 Annual Meeting, Geological Society of America, San Diego, CA.
- Co-chair Paleontology III. 1980 Annual Meeting, Geological Society of America, Atlanta, GA.
- Co-chair Paleontology I. Phylogeny and Evolution. 1982 Annual Meeting, Geological Society of America, New Orleans, LA.
- Co-chair Micropaleontology. 1983 Annual Meeting, Geological Society of America, Indianapolis, IN.
- Co-chair Cushman Symposium on functional morphology in foraminifera. Fourth North American Paleontological Congress, Boulder, CO, August 1986.
- Co-chair Paleontological Society Session on Evolution: Radiation and Extinction. 1989 Annual Meeting, Geological Society of America, St. Louis, MO.
- Co-chair Carbonate Platforms session, Society of Economic Paleontologists and Mineralogists Research Conference on Cretaceous Resources, Events, and Rhythms (CRER), Denver, CO, Aug. 1990.
- Chair Scientific session of American Academy of Underwater Sciences Tenth Annual Scientific Diving Symposium, St. Petersburg, FL, Oct. 1990.
- Co-chair Sedimentology I. Carbonate Sedimentology: Modern and Ancient. 1990 Annual Meeting, Geological Society of America, Dallas, TX.
- Co-chair Global Environmental Changes and Reef Responses. 7th International Coral Reef Symposium, Guam, June 1992.
- Convener Age, Stage and Gender in the Scientific Community, panel for conference on The Politics and Processes of Scholarly Publishing, University of South Florida, St. Petersburg, FL, March 1994.
- Co-chair Micropaleontology Session. 1995 Annual Meeting, Geological Society of America, New Orleans, LA, October 1995
- Co-chair Biology of Foraminifera, 10th International Congress of Protozoologists, Sydney, Australia, July 1997
- Co-chair Micropaleontology. 1996 Annual Meeting, Geological Society of America, Denver, CO, Oct. 1996

Co-chair Larger Foraminifera as Environmental Indicators. Forams '98, Monterrey, Mexico, July 1998
Co-chair Pollution: Micro- and Meioorganisms in Background Assessment, Impact, Environmental Monitoring and Recovery. Second International Conference "Application of Micro- and Meioorganisms to Environmental Problems", Winnipeg, Manitoba, Canada, August 2000.

Sessions Chaired at Professional Meetings (cont.)

- Co-chair Beach Development and Biogenic Framework. Carbonate Beaches 2000, Key Largo, Florida, December 2000.
- Co-chair Micropaleontological Solutions to Urban Problems, Geological Society of America, Denver, Colorado, October 2002.
- Co-chair "Protists in Extreme Environments: Fossil Evidence to Physiological Adaptations"; Cushman Foundation/ Paleontological Society Theme Session, Geological Society of America, Oct. 2005.
- Co-convenor: Ontogenetic, Taphonomic and diagenetic shell features: What stories can they tell? Forams 2010- International Symposium on Foraminifera, September 5 -10, 2010, Bonn, Germany.
- Co-convenor (with my Graduate student Michael Martinez-Colon): Ontogenetic, taphonomic and diagenetic shell features: What stories can they tell? Forams 2010, Bonn, Germany, Sept. 2010.
- Co-convenor: Coral Reefs in a Crystal Ball: What Will Be Their Future? ASLO-San Juan, February 2011.
- Co-convenor: *Frontiers in Foraminiferal Research: Implications for Interpreting the Past, Understanding the Present, and Predicting the Future*. Geological Society of America Annual Meeting, Minneapolis, MN, October 2011.
- Co-convenor: Benthic foraminifera as indicators and model organisms for environmental changes on coral reefs: local, regional and global. 12th International Coral Reef Symposium, Cairns, Australia, July 2012.
- Co-convenor: Advances in Environmental Micropaleontology, Forams 2014 – International Symposium on Foraminifera, Concepcion, Chile, January 2014.
- Co-convenor: The Microfossil Record: The Past is the Key to the Future (or Present) in Conservation Paleobiology. NAPC 2014 – North American Paleontological Congress, Gainesville, Florida, USA, February 2014.
- Lead convenor: Indicator taxa: What can they tell us about the past, present and future for coral reefs? International Coral Reef Symposium, Honolulu, June 2016.

Invited Workshop or Committee Participation

- NOAA-NURP Workshop on Coral Reef Research and Management in the Florida Keys, June 1988.
- Global Sedimentary Geology Program (GSGP) - Cretaceous Resources, Events and Rhythms (CRER) Workshop, Carbonate Platforms Working Group, Marseilles, France, September 1988.
- NSF/EPA/NOAA-sponsored Workshop on Coral Bleaching/Coral Reef Ecosystems and Global Change, Miami, Florida, June 1991.
- NOAA-NURC/UNCW-sponsored Florida Keys Nutrient Workshop, Key Largo, June 1991.
- EPA-sponsored Coral Community Assessment Workshop, Water Quality Protection Program for the Florida Keys National Marine Sanctuary, February 1992.
- GSGP-CRER Workshop, Carbonate Platforms Working Group, Tremp, Spain, September 1992.
- International Environmental Education Seminar for Women, sponsored by Pan Pacific and South East Asia Women's Association (PPSEAWA) chapter from the Republic of China, in cooperation with PPSEAWA International (a UNESCO chartered organization), Taipei, Taiwan, August 1993.
- NOAA-NURP Gulf of Mexico Workshop, New Orleans, Louisiana, May 1994.
- NOAA/EPA A Coral Reef Symposium on Methods for Assessing the Biota and Habitat Conditions of Coral Reefs. Annapolis, MD, January 26-27, 1995.
- Coral and Live Bottom Habitat Sub-Group Workshop, South Atlantic Fishery Management Council, September 16-17, 1997, in St. Petersburg, Florida.
- World Resources Institute, International Centre for Living Aquatic Marine Resources, and World Conservation Monitoring Centre: Reefs at Risk Workshop; Manila, Philippines; Sept. 24-25, 1997.
- U.S. Environmental Protection Agency: 1996/97 STAR Grants Ecological Assessment/ Ecosystem Indicators Program Review; Las Vegas, Nevada, February 3-5, 1998.

Florida Department of Environmental Protection: Developing a Statewide Biological Assessment Approach for Florida's Marine and Estuarine Ecosystems; St. Petersburg, FL; Apr. 28-29, 1998.
Invited Participant: Workshop on Developing a Statewide Biological Assessment Approach for Florida's Coral-Reef and Hardbottom Ecosystems; Sponsored by the Florida Department of Environmental Protection, St., Petersburg, FL., October 13-14, 1998; March 30-31, 1999.

Invited Workshop or Committee Participation (cont.)

Gulf of Mexico Fishery Management Council: Special Coral Scientific and Statistical Committee
(Appointed Member -- 1999-02)

Invited Panelist: Gender Equity Workshop, Geological Society of America Committee on Minorities and Women in the Geosciences, National Association of Black Geologists and Geophysicists, and Mills College Women's Leadership Institute; Geological Society of America Meeting, Reno, NV, 11/12/00.

Invited Participant: National Center for Caribbean Reef Research sponsored Workshop on the Future of Caribbean Reefs, 09/26-28/01

Technical Workshop on Coral, Coral Reefs and Live/Hard Bottom Habitat and Artificial Reefs, South Atlantic Fishery Management Council, March 26-27, 2003, in St. Petersburg, Florida.

Invited Participant: Coral Reefs, Climate and Coral Bleaching Workshop, Coral Reef Task Force, June 18-20, 2003, in Kahuku (Oahu), Hawaii.

Invited Panelist: Where are the Women Geoscience Professors? Workshop sponsored by the Association for Women Geoscientists, the University of Nebraska and the National Science Foundation, September 26-27, 2003; in Washington, D.C.

Presented "Reef Risk Assessment: Satellites to Molecules". South Carolina Sea Grant Consortium, Environmental Marine Biotechnology Program: Assessing the Health of Coral Reef Ecosystems in the Florida Keys Using an Integrated Molecular Biomarker System. Constituents Workshop, Key Largo, FL, January 17-18, 2004.

Healthy Mesoamerican Reef Workshop, Invited participant and speaker, Miami, Florida, 06/02-04/04.

Satellites to Molecules: Strategies and Tools for Reef Monitoring & Risk Assessment. Florida Hurricane Alliance Workshop, March 1, 2005.

Chaired Session 2A and presented session summary: Ecosystem Responses to Elevated CO₂ - Neritic Ecosystem Response. Impacts of Increasing Atmospheric CO₂ on Coral Reefs and Other Marine Calcifiers. Sponsors: NOAA/NSF/USGS. St. Petersburg, Florida April 18-20, 2005.

Satellites to Molecules: Strategies and Tools for Reef Monitoring & Risk Assessment. Shortcourse on Environmental Micropaleontology- Monitoring past and present environmental perturbations using micro-organisms, Conference Universitaire de la Suisse Occidentale (CUSO), Fribourg, Switzerland, July 5, 2005.

Causes and Consequences of Bleaching in the Reef-Dwelling Foraminifera, *Amphistegina* spp. Workshop on unicellular symbionts, University of Vienna, Austria, December 12, 2005.

14th International Conference on Environmental Bioindicators, Maritime Institute, Linthicum, Maryland, April 24-26, 2006

NSF Workshop: Community Sedimentary Model for Carbonate Systems, Colorado School of Mines, Golden, CO, February 27-29, 2008.

NSF Workshop: Broadening the Spectrum: A Community Workshop to Expand Opportunities for Underrepresented Minorities in the Marine and Environmental Sciences in South Florida. Indian River State College, Fort Pierce, FL, USA, February 2013.

Scientific Committee Member, Forams 2014 – International Symposium on Foraminifera, Concepcion, Chile, January 2014.

Bridging gaps and generations in foraminiferal biomonitoring: toward a new COST action on pollution monitoring (FORAM-COST). Fribourg, Switzerland, September 2017.

Scientific Committee Member, Forams 2018 – International Symposium on Foraminifera, Edinburgh, Scotland, June 2018.

Consulting Activities

- For Hawaiian Electric Company, Inc., Honolulu, Hawaii: Consultant on the effects of thermal effluent on benthic foraminifera and nearshore carbonate sedimentation (1975-1977)
- For Cities Service Research Center, Tulsa, Oklahoma: Consultant on paleoenvironmental analysis to Tertiary carbonate cores (1981)
- For Prentice-Hall, Englewood Cliffs, NJ: Reviewed manuscript for Dynamic Stratigraphy, 2nd Edition, by R. K. Matthews (1982)
- For William T. Probandt, Exploration Geologist: Consultant on reef models for hydrocarbon exploration (1983)
- For Southwest Teacher Education Center, Fort Myers, Florida, and Sarasota County School Board, Osprey, Florida: Consultant in Earth Science Education (June-July 1984)
- For Continental Shelf Associates, Jupiter, Florida: Consultant on coral reefs of the Florida Keys (1988-89)
- For W. H. Freeman, New York: Reviewed manuscript for Palaces under the Sea: The Coral Reefs, by J. Strykowski and R. Bonem (1991)
- For Texas A&M University Press: Reviewed manuscript for Ecologic Atlas of Benthic Foraminifera of the Gulf of Mexico by C.W. Poag (2014)