

## CURRICULUM VITAE

NAME: **Judith Payne Grassle**

INSTITUTIONAL ADDRESS: Institute of Marine and Coastal Sciences  
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### EDUCATION:

B.Sc., University of Queensland, 1958  
B.Sc., Hons. (First Class), University of Queensland, 1960  
Ph.D., Duke University, 1968  
Specialization: Biochemistry, marine invertebrates  
Thesis: Heterogeneity of hemocyanins in several species of embryonic, larval, and adult crustaceans

### PROFESSIONAL HISTORY:

Research Assistant, 1960-1967, Duke University  
Research Associate, 1968-1969, University of Queensland  
Research Associate, 1970, Marine Biological Laboratory  
Independent Investigator, 1972-1985, Marine Biological Laboratory  
Senior Scientist, 1986-1989, Marine Biological Laboratory  
Professor, Rutgers University, 1989-present

### EDITORIAL ACTIVITIES (CURRENT):

Associate Editor, Aquatic Biology, 2007-present  
Associate Editor, Marine Biology, 1986-present  
Associate Editor, Estuaries and Coasts, 2000-present

### ELECTED OFFICES IN PROFESSIONAL SOCIETIES:

Estuarine Research Federation, Secretary, 1990-1992  
AAAS, Secretary, Section G (Biological Sciences), 1985-1993  
AAAS, Nominating Committee, Section W (Atmospheric and Hydrospheric Sciences), 2000-2003

### EXPEDITIONS:

Participant on cruises to 13°N and 21°N on RVs Le Suroit and Melville with dives in Cyana and Alvin.

### FIVE MOST RELEVANT PUBLICATIONS:

Ma, H., **Grassle, J. P.**, Rosario 2006. Initial recruitment and growth of surfclams (*Spisula solidissima*) on the inner continental shelf. *J. Shellfish.Res.* 25: 481-489.

Ma, H., **Grassle, J. P.**, Chant, R. J. 2006. Vertical distribution of bivalve larvae along a cross-shelf transect during summer upwelling and downwelling. *Mar. Biol.* 149: 1123-1138.

Ma, H., **J. P. Grassle** 2004. Invertebrate larval availability during summer upwelling and downwelling. *Estuarine, Coastal and Shelf Sci.* 62: 41-53.

Weissberger, E. J., **J. P. Grassle** 2003. Settlement, first-year growth, and mortality of surfclams, *Spisula*

*solidissima*. Estuarine, Coastal and Shelf Sci. 56: 669-684.

Snelgrove, P. V. R., **J. P. Grassle**, J. F. Grassle, R. F. Petrecca, H. Ma 1999. In situ habitat selection by settling larvae of marine soft-sediment invertebrates. Limnol. Oceanogr. 44: 1341-1347.

#### FIVE OTHER PUBLICATIONS:

Quijón, P. A., Grassle, J. P., Rosario, J. M. 2007. Naticid snail predation on early post-settlement surfclams (*Spisula solidissima*) on the inner continental shelf of New Jersey, USA. Mar. Biol. 150: 873-882.

Snelgrove, P. V. R., **J. P. Grassle**, C. A. Zimmer 2001. Adult macrofauna effects on *Capitella* sp. I larval settlement: a laboratory flume study. J. Mar. Res. 59: 657-674.

Snelgrove, P. V. R., **J. P. Grassle**, C. A. Butman 1998. Sediment choice by settling larvae of the bivalve, *Spisula solidissima* (Dillwyn), in flow and still water. J. Exp. Mar. Biol. Ecol. 231: 171-190.

Snelgrove, P. V. R., C. A. Butman and **J. P. Grassle**. 1993. Hydrodynamic enhancement of larval settlement in the bivalve *Mulinia lateralis* (Say) and the polychaete *Capitella* sp. I in microdepositional environments. J. Exp. Mar. Biol. Ecol. 168: 71-109.

**Grassle, J. P.**, C. A. Butman and S. W. Mills. 1992. Active habitat selection by *Capitella* sp. I larvae. II. Multiple-choice experiments in still water and flume flows. J. Mar. Res. 50: 717-743.

#### COLLABORATORS

Cheryl Ann Zimmer (UCLA), P. V. R. Snelgrove (Memorial University), Eric J. Weissberger (EPA/Narragansett), Claudio DiBacco (University of British Columbia), Heather Hunt (University of New Brunswick, Saint John), Hongguang Ma (University of Maryland), Pedro Quijón (Prince Edward Island University)

#### GRADUATE ADVISOR

John D. Costlow, Jr. (Duke University)

#### RESEARCH INTERESTS:

Marine benthic ecology; population genetics of marine invertebrates; biology of *Capitella* (Polychaeta) sibling species; larval dispersal, settlement, and recruitment.

#### SYNERGISTIC ACTIVITIES:

Co-PI on NSF-REU site grant with James Ammerman, "Continental Shelf Research for Undergraduates", 2004-2006.

Program Director for the undergraduate Major and Minor in Marine Sciences.

Currently academic advisor for 24 School of Environmental and Biological Sciences first-year students.

Currently academic advisor for 23 Marine Sciences majors.

Over the last 16 years I have mentored 33 undergraduates pursuing research in my laboratory, 14 of whom were George H. Cook or Mabel Smith Douglass Honors students, and mentored 3 REU/RIOS students. I have been the primary advisor for four Ph.D. students and one M.S. student in the Oceanography and Ecology and Evolution Graduate Programs, and have served on the committees of many other students in these and related programs at Rutgers University and at other institutions.