

## **GEORGE P. KRAEMER**

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**Education:** Ph.D. 1989 University of California, Los Angeles  
M.S. 1982 Texas A&M University  
B.S. 1980 Florida Institute of Technology

**Present Position:** Associate Professor of Environmental Sciences, Purchase College, since 2001

**Previous Positions:** Assistant Professor of Environmental Sciences, Purchase College, 1997-2001; Research Associate, Harbor Branch Oceanographic Institution, 1996-1997; Research Fellow, Benthic Ecology Laboratory, Stazione Zoologica di Napoli, 1993-1996; Post-Doctoral Associate, University of Chicago/UCLA, 1990-1993; Visiting Lecturer, Department of Biology, University of California, Los Angeles, 1990.

**Professional Societies:** Estuarine Research Federation, American Association for the Advancement of Science, Sigma Xi

### **Research Grants:**

New York Sea Grant Program “**Sustainable Integrated Finfish/Nori Aquaculture for Bioremediation and Production of Food and Biochemicals: Culture and Mesocosm Studies**” (1 Feb 2000 – 31 Jan 2002) - \$67,076  
Heineman Foundation “**Evaluation of Possible Causes for Salt Marsh Regression, Marshlands Conservancy, Rye, NY**” (1 Jan 1999 - 31 Dec 2000) - \$10,000  
Stazione Zoologica di Napoli “**Carbon and Nitrogen Metabolism and and Growth of Two Mediterranean Seagrasses**” (1995 - 1996) - \$24,350  
Consiglio Nazionale delle Ricerche, “**Environmental Controls of Nitrogen in the Seagrass *Posidonia oceanica***” (1993 - 1995) - \$22,035

**Honors and Awards:** Fehr Distinguished Professor of Environmental Science (Purchase College, 2001); President’s Research Development Sabbatical (Purchase College, 2001); Schectman Distinguished Teaching Assistant Award (UCLA, 1989)

### **Recent Publications:**

Kraemer, G.P. 2001. Effects of the Non-native Crab *Hemigrapsus sanguineus* on crab community diversity at Edith Read Sanctuary (Rye, NY) from 1998-2000. 2<sup>nd</sup> Intl. Marine Bioinvasions Conference, New Orleans (Apr) – abstract

- Sellberg, M. and Kraemer, G.P. in press. Population dynamics of the non-native crab *Hemigrapsus sanguineus* and the native crabs at Edith Read Sanctuary (Rye, NY). Proc. 5<sup>th</sup> Long Island Sound Research Conference.
- Kraemer, G.P. and M.D. Hanisak. 2000. Physiological and Growth Responses of *Thalassia testudinum* to Environmentally-Relevant Periods of Low Irradiance. *Aquat. Bot.*, 67(4): 287-300.
- Kraemer, G.P. and L. Mazzella. 1999. Nitrogen acquisition, storage, and use by the Mediterranean seagrasses *Cymodocea nodosa* and *Zostera noltii*. *Mar. Ecol. Prog. Ser.* 183: 95-103.
- Kraemer, G.P., Chamberlain, R.H., Doering, P.H., Steinman, A.D., Hanisak, M.D. 1999. Physiological Responses of Transplants of the freshwater angiosperm *Vallisneria spiralis* Along a Salinity Gradient In the Caloosahatchee Estuary (SW Florida). *Estuaries* 22:138-148.
- Kraemer, G.P., D. Kohrs and R.S. Alberte. 1998. Developmental changes of sucrose synthase activity and abundance in root and leaf tissues of *Zostera marina*. *Aquat. Bot.* 62:189-198.
- Kraemer, G.P., L. Mazzella and R.S. Alberte. 1997. Environmental and internal controls of N assimilation by the Mediterranean seagrass *Posidonia oceanica*. *Mar. Ecol.*, 18:175-188.
- Kraemer, G.P. and L. Mazzella. 1996. Nitrogen assimilation and growth dynamics of the Mediterranean seagrasses *Posidonia oceanica*, *Cymodocea nodosa*, and *Zostera noltii*. in: Seagrass Biology: Proceedings of an International Workshop (Kuo, J., R.C. Phillips, D.I. Walker and H. Kirkman, eds.). pp. 181-190.
- Kraemer, G.P. and R.S. Alberte. 1995. Impact of daily photosynthetic period on protein synthesis and carbohydrate stores in *Zostera marina* L. (eelgrass) roots: implications for survival in light-limited environments. *J. Exp. Mar. Biol. Ecol.*, 185: 191-202.