

Gillian Margaret Puttick  
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### **PROFESSIONAL PREPARATION**

University of Cape Town	B.Sc. Honours in Zoology
University of Cape Town	B.A. in Social Anthropology
University of Cape Town	Ph.D. in Zoology (W. Roy Siegfried, advisor)
Stanford University	Dept. of Biological Sciences
Harvard University	Museum of Comparative Zoology

### **APPOINTMENTS**

#### **Senior Scientist 1991 – present**

##### **TERC**

###### PI

DRL-0628171 Biocomplexity and the Habitable Planet  
DRL-0813434 Girls Energy Conservation Corps

###### Co-PI

DRL-0455710 Lesson Study for Accessible Science  
DRL-0822039 Accessing Science Ideas  
DRL-0815190 Under the Microscope  
DUE-0928417 Atlantic Partnership for the Biological Sciences

- *Research on teaching and learning*
- *Curriculum development: Elementary, middle and high school earth and life science curricula*
- *Teacher professional development programs*

#### **Adjunct Professor**

**2003 – present**

##### **Lesley University Department of Education**

- *Professor for Biology and Ecology courses*

#### **Research Scientist, Principal Investigator**

**1986 – 1990**

##### **University of Minnesota and Northeastern University**

- *Investigated the co-evolution of leaf beetles and goldenrods*

#### **Postdoctoral Research Fellow**

**1983 – 1985**

##### **Harvard University**

- *Investigated the chemical ecology and co-evolution of several plant-insect interactions*

#### **Postdoctoral Research Fellow**

**1981 – 1982**

##### **Stanford University**

- *Investigated plant-insect interactions in Mediterranean-type ecosystems*

#### **Lecturer**

**1974 – 1980**

##### **University of Cape Town**

- *Investigated the behavioral ecology of migrating shorebirds*
- *Lecturer in invertebrate biology and ecology*

## SELECTED PUBLICATIONS

- Puttick, G.M. & Storygard, J. (2007). Muscles, Lungs, Blood and Guts. *Hands On!* 30:10-19.
- Puttick, G. (2007). *Baffled Birds, Bursting Buds: A curriculum on phenology for elementary grades*. GLOBE program. In press.
- Puttick, G.M., Wright, T., Monk, S., Ballenger, C. & Warren, B. (2004). Investigating Motion Trips: A professional development module for K-8 Teachers. Cambridge MA: Eisenhower Regional Alliance.
- Puttick, G. & McWilliams, H. (2003). GLOBE: A hands-on environmental science and education program. In: Salett, M. (Ed.). *Proceedings of Symposium on Conservation, Education and the Internet. Conservation Perspectives 3* (Fall 2003).
- Puttick, G. (2002). Watching grass grow: Biology explorations online. *Hands On!* 25: 1 - 7.

## SYNERGISTIC ACTIVITIES

Advisor to several science education projects, including *Teacher's Domain* at WGBH, *Foundations High School Biology* at Education Development Center, Newton MA, *Educating about Statistical Issues using Large Scientific Datasets* at TERC, and *Environmental Literacy Blueprint* at University of Michigan. Broadened participation of middle school students underrepresented in science through creation of the afterschool life science curriculum for the United Way Mass Bay's *Math Science Technology initiative*.

## COLLABORATORS

Alan Berkowitz and Steward Pickett, Cary Institute for Ecosystem Studies; Denise Blumenthal, Chris Dietlin, WGBH; Andy Anderson, Michigan State University; Sue Doubler, Lesley University; Gretchen Kinder, Somerville Public Schools; Catherine Lewis, Columbia University; Jackie Miller, June Foster, Daphne Minner, EDC; Chris O'Keeffe, United Way Mass Bay and Merrimack Valley; Aline Sayer, University of Massachusetts, Amherst; Leona Schauble, Vanderbilt University; Charles Hughes, Penn State University; David Rose, Tracey Hall, Todd Rose, CAST; Lisa Delissio, Salem State College.