Margaret A. Sexton

University of Maryland Eastern Shore Department of Natural Science Carver Hall Princess Anne, MD21853

EDUCATION:

University of Maryland, Marine Estuarine and Environmental Sciences

Doctor of Philosophy August 2012

Area of Specialization: Biological Oceanography

Dissertation: Factors influencing appearance, disappearance, and variability of

abundance of the sea nettle Chrysaora quinquecirrha in

Chesapeake Bay

Coastal Carolina University

Bachelor of Science December 2003

Academic Majors: Marine Science and Biology Academic Minors: Chemistry and Statistics

TEACHING EXPERIENCE:

University of Maryland Eastern Shore Spring 2013-present

Marine Zoology (BIOL 201) Spring semesters

Introduction to Environmental Science (ENV 101) Fall 2013 Animal Behavior (BIOL 361) Fall 2014

Trinity Washington College Fall 2012

Microbiology for Health Professionals

University of Maryland Teaching Assistantships

Marine, Estuarine, and Environmental Sciences Program

Fisheries Oceanography (MEES 698F)

Quantitative Methods in Env. Sciences (MEES 607)

Physics of Estuarine and Marine Env. (MEES 661)

Biological Oceanography (MEES 621)

REU Liaison

Spring 2012

Fall 2011

Spring 2011

Fall 2010

Summer 2010

Responsibilities for this position included arranging guest speakers and providing academic and logistical support to seven undergraduate interns in the Research Experience for Undergraduates Program.

Sojourner-Douglass College

Fall 2010-Spring 2011

Phone: 410-621-1049

Email: masexton@umes.edu

Instructor for Introduction to Biology (SCI 114 and SCI 114L)

Coastal Carolina University

Department of Mathematics and Statistics Fall 2001-Fall 2002

Instructor for Introductory Statistics Laboratories (STAT 201L)

CCU Writing Center Spring 2001-Fall 2003

Writing Consultant (peer tutor)

Guest Lectures

Zooplankton Ecology (MEES 698G) Spring 2010

Gelatinous Zooplankton

University of Maryland Center for Environmental Science, Horn Point Laboratory

Invited by Dr. Jamie Pierson

Invertebrate Zoology (BIO 2205) Summer 2008

Ongoing Jellyfish Research in Chesapeake Bay

McDaniel College

Invited by Dr. Greg Szulgit

RESEARCH EXPERIENCE:

Visiting Research Assistant Professor 2013-present

University of Maryland Eastern Shore

Research Interests: ecology of gelatinous zooplankton in the Chesapeake Bay and

Maryland Coastal Bays

Graduate Research Assistant 2005-2012

Horn Point Laboratory, University of Maryland Center for Environmental Science My dissertation research seeks to characterize inter-annual and intra-annual variability in the abundance of the sea nettle *Chrysaora*

quinquecirrha in Chesapeake Bay and the environmental conditions that

cause this variability.

UNDERGRADUATE INTERNS SUPERVISED:

(*in collaboration with Raleigh Hood)

Veronica Pereira REU Fellow 2014 Salinity tolerance of Chrysaora

UMES quinquecirrha ephyrae

Tonisha Patton REU Fellow, 2013 Effects of environmental conditions

UMES on *Chrysaora quinquecirrha* ephyra

abundance

Jonny Diehl* REU Fellow, 2010 Use of video cameras for quantifying

(MD Sea Grant) sea

nettle abundance

Amanda Liss* REU Fellow, 2008 Effects of low temperature on sea

(MD Sea Grant) nettle swimming

Judith Sarkodee-adoo* REU Fellow, 2007 Experimental method: maintaining

(MD Sea Grant) sea nettles in large, cooled tanks

PUBLICATIONS:

Sexton MA, Hood RR, Sarkodee-adoo J, Liss AM (2010) Response of *Chrysaora quinquecirrha* medusae to low temperature. Hydrobiologia 645:125-133

PRESENTATIONS:

Sexton MA, Hood RR. The use of visual counts for measuring medusa abundance. 2011. Oral Presentation at American Society of Limnologists and Oceanographers, Aquatic Sciences Meeting, San Juan PR.

Sexton MA, Hood RR. Factors that influence the timing of the annual bloom of the sea nettle *Chrysaora quinquecirrha* in Chesapeake Bay. 2009. Oral presentation at Coastal and Estuarine Research Federation 2009 Meeting, Portland OR.

Sexton MA, Hood RR, Sarkodee-adoo J, Liss AM. Response of sea nettle *Chrysaora quinquecirrha* to low temperature. 2009. Poster presentation at American Society of Limnologists and Oceanographers, Aquatic Sciences Meeting, Nice, France.

Hood RR, Brown CW, Gross TF, Decker MB, **Sexton MA**, Xu J, Lanerolle L, Long, W. 2008. Nowcasting and hindcasting sea nettle (*Chrysaora quinquecirrha*) populations in Chesapeake Bay. Oral presentation to the International Council for Exploration of the Sea Working Group on Modeling Physical Biological Interactions. April 2008. Sète, France. Invited by Dr. Elizabeth North.

Sexton MA, Hood RR, Decker MB. Sea nettle *Chrysaora quinquecirrha* in Chesapeake Bay: factors influencing variability and disappearance. 2007. Oral presentation at Estuarine Research Federation 2007 Meeting, Providence, RI.

SERVICE:

 $7^{\rm th}$ Biennial NOAA EPP Forum on Education and Science, Poster and Oral Presentations Judging Committee, Chair (2014)

7th Biennial NOAA EPP Forum on Education and Science, Technical/Program Committee, Chair (2014)