

Patricia M. Alder

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Department of Entomology
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WORK EXPERIENCE:

09/2005-present

Training Assistant

NC State University, Department of Entomology, Box 7613, Raleigh, NC

- *Responsibilities:* write insect fact sheets; provide assistance to pest management professionals to help solve pest problems; sort and organize insects for use in classes; collect ants and assemble collections for classes; developed questions for certification exams (general, wood, and pest phases) for NC Structural Pest Control Division; provide assistance with annual NCPA PCT School (pesticide applicator certification training and ant identification workshop); provide assistance with the development of NC State University's Termite Technician Training program, photograph pests and pest problem situations for use in training manuals and presentations
- *Committee Assignments:* NCPA Technician of the Year Selection Committee, Pesticide Applicator Certification and Licensing Exam Review Committee

07/2003-6/2005

Entomologist/Technical Director

Clegg's Termite & Pest Control, Inc., P.O. Box 3089, Durham, NC

- *Responsibilities:* conducted structural pest inspections for commercial accounts; conducted registered technician school; provided on-going training for technicians, managers, and supervisors; assisted pest control technicians with pest control decisions; provide assistance to homeowners and commercial accounts to help solve pest problems; conducted pesticide efficacy trials; safety director

01/2001-06/2003

Graduate Research Assistant

NC State University, Department of Entomology, Box 7613, Raleigh, NC

- *Advisor:* Jules Silverman, Ph.D.
- *Research activities:*
 - investigated the effects of interspecific competition between the Argentine ant and a native pest ant on toxic bait performance
 - conducted field studies to determine foraging activities of the Argentine ant and a sympatric native ant
 - conducted a comparison study of Argentine ant monitoring methods
 - conducted three insecticide efficacy trials

01/2003-05/2003

Graduate Teaching Assistant, ENT 402 – Forest Entomology

NC State University, Department of Entomology, Box 7613, Raleigh, NC

- *Responsibilities:* assisted students with forest insect identification using insects and damage specimens, set up laboratory, graded laboratory quizzes and insect collections

01/2002-05/2002

Graduate Teaching Assistant, ENT 063 - Ornamental and Turf Insects

NC State University, Agricultural Institute, Raleigh, NC

- *Responsibilities:* set up laboratory, taught two sections of laboratory class, created & administered quizzes and assignments, graded insect collections

05/1997-12/2000

Veterinary Assistant

Hickory Grove Animal Hospital, Charlotte, NC

- *Responsibilities:* administered vaccines, administered treatments to hospitalized animals, provided general care to boarding animals, surgical, dental and radiology assistant, receptionist as need

08/1998-12/1998

Tutor for Supplemental Instruction, BIOL 1233 - Animal Biology

UNC Charlotte, NC

- *Responsibilities:* attended lecture, met with students four times weekly to provide tutoring services

EDUCATION:

01/2001- 5/2004

North Carolina State University

- Masters of Science in Entomology, 5/2004
- *Thesis:* "Considerations for Argentine Ant Management"
- *Advisor:* Jules Silverman, Ph.D.

08/1996-12/2000

University of North Carolina at Charlotte

- Bachelor of Science in Biology, 12/2000
- Undergraduate research assistant, 01/2000-12/2000
organized and sorted beetles in the university insect collection, assisted in entering insect collection data for use in an air pollution study

HONORS AND AWARDS:

- Recipient of the North Carolina Pest Control Association Urban Entomology Scholarship, 2003
- Recipient of the North Carolina Pest Control Association Urban Entomology Scholarship, 2002
- Recipient of The Fran & David Taylor Scholarship for Adult Students; UNC Charlotte, 1997 & 1998
- Chancellor's List, UNC Charlotte: Fall 1996, Spring 1997, Fall 1997
- Member of the Tau Lambda Chapter of Tri Beta, Biological Honor Society, UNC Charlotte, 1998
- Member of the Golden Key National Honor Society, UNC Charlotte, 1998
- Member of Phi Eta Sigma National Honor Society, UNC Charlotte, April 1997

PROFESSIONAL PRESENTATIONS:

- Patricia McKeithan and Edward Menhinick. 2001. Effect of air pollution on insect species of Coleoptera. North Carolina Academy of Science Annual Meeting, Greensboro, NC (poster presentation)
- Patricia Alder and Jules Silverman. 2002. Do competing ants affect toxic bait performance. 52nd Annual Pest Control Technician's School, Raleigh, NC (15 minute oral presentation)
- Patricia Alder. 2002. Introduction to Insects. NC Cooperative Extension Service, Master Gardener training program, Asheboro, NC (90 minute oral presentation)
- Patricia Alder. 2002. Insects and Architecture. BJAC architecture firm, Raleigh, NC (30 minute oral presentation)
- Patricia Alder and Jules Silverman. 2002. The effects of interspecific competition between two urban ant species on toxic bait performance. 4th International Conference on Urban Pests, Charleston, SC (poster presentation)

- Patricia Alder and Jules Silverman. 2002. Comparison of monitoring methods used to estimate changes in Argentine ant population size and activity. Entomological Society of America Annual Meeting, Ft. Lauderdale, FL (10 minute oral presentation)

TRAINING PROGRAMS

- Introduction to Insects. NC Cooperative Extension Service, Master Gardener training program, Johnston Co., NC 2005.
- Pesticide Applicator Certification Training – Core Training. NCPA Pest Control Technician School. Raleigh 2006
- IPM in Food Service Facilities – ServSafe® Food Safety Program. Chapel Hill. 2006
- Pesticide Applicator Certification Training – Core Training. NCPA Pest Control Technician School. Raleigh 2007

PUBLICATIONS:

- Alder, P.M. and J. Silverman. 2005. Effects of Interspecific Competition Between Two Urban Ant Species, *Linepithema humile* and *Monomorium minimum*, on Toxic Bait Performance. J. Econ. Entomol. 98(2): 493-501.
- Alder, P.M. and M. Waldvogel. 2007. NC Agricultural Chemicals Manual. Urban and Industrial Pests (Professional Uses), Wood-Destroying Pests, and Household Pests (General Public)

EXTENSION PUBLICATIONS AND BULLETINS:

- Alder, P.M. and M. Waldvogel. 2007. A Guide to House-Invading Ants and Their Control. NCSU – Dept. of Entomology, Insect Note: ENT/rsc-40
- Alder, P.M. and M. Waldvogel. 2007. Tips for Effective Ant Baiting. NCSU – Dept. of Entomology, Insect Note: ENT/rsc-41
- Alder, P.M. and M. Waldvogel. 2007. Booklice. NCSU – Dept. of Entomology, Insect Note: ENT/rsc-33
- Alder, P.M. and M. Waldvogel. 2007. Silverfish and Firebrats. NCSU – Dept. of Entomology, Insect Note: ENT/rsc-32
- Alder, P.M. and M. Waldvogel. 2007. Termite Technician Training Manual – Dept. of Entomology

OUTREACH AND VOLUNTEERING:

- Outreach Committee Student Member, Entomology Department, NC State University, 8/2001-5/2002; coordinated outreach activities; prepared and conducted seven outreach events at elementary and pre-schools
- Volunteer at Bugfest, an annual educational event open to the public at the North Carolina Museum of Natural Sciences, Raleigh, NC, 08/2001 and 08/2002