

CURRICULUM VITAE

Jennifer Learned

Education

M.S. Biology Northern Arizona University, Flagstaff, AZ
Genetic differences among populations of the freshwater isopod Thermosphaeroma subequalum
Awarded August, 2004 GPA 4.0
B.S. Zoology Northern Arizona University, Flagstaff, AZ
Minor in Chemistry
Awarded May 7, 1999 GPA 4.0

Employment history

Research Specialist December 2010 – present
Arizona State University School of Life Sciences, Tempe, AZ
Laboratory and project management for terrestrial ecology research

Field Crew Supervisor May 2010 – August 2010
SWCA Environmental Consultants. Phoenix, AZ
Field season management for the endangered Southwestern Willow Flycatcher

AmeriCorps Service Member April 2009 – November 2009
Delaware Division of Fish and Wildlife Natural Heritage and Endangered Species Program
Endangered shorebird monitoring and program management

Biologist III December 2006 – February 2007
Field Scientist February 2007 – February 2009
GreenFuel Technologies, Inc., Cambridge, MA
Scientific lead of field team responsible for deployment and operation of algae bioreactors.

- Major responsibilities include data analysis and interpretation, daily/weekly reporting, supervising operations and experimental design.
- Additional activities include laboratory analysis, algae culture maintenance and bioreactor research and design.

Project Manager May 2004 – December 2006
Aerotech P&K Laboratories, Phoenix, AZ
Primary client contact for leading environmental and indoor air quality laboratory.

- Compilation and publication of laboratory results and summary reports including client consultation.

Instructional Specialist/Instructor August 2003 – July 2004
Arizona State University West, Department of Life Sciences, Phoenix, AZ 85069
Instructor and teaching assistant for lecture and laboratory courses in the Department of Integrated Natural Sciences.

Biologist July 2002 – August 2003
E.R.I. International, El Segundo, CA
Lab manager and animal health specialist for marine animal wholesale.

- Construction and maintenance of quarantine/hospital systems for imported marine fish and invertebrates.
- Aquatic livestock husbandry including disease diagnosis and water quality analysis.

Teaching Experience

Adjunct Faculty January 2010 – present

Central Arizona College, Apache Junction, AZ

Biology 160: Introduction to Human Anatomy and Physiology

Biology 201: Human Anatomy and Physiology

Biology 202: Human Anatomy and Physiology II

Adjunct Faculty March 2006 – January 2010

Rio Salado Community College

Biology 100 for non-majors, lecture/laboratory

Instructor Summer 2004

Arizona State University West, Phoenix, AZ

Biology 187 and 188: Introductory Biology

Instructional Specialist August 2004 – May 2004

Arizona State University West, Phoenix, AZ

Invertebrate Zoology laboratory

Biometry

The Human Organism

Teaching Assistant January 1999 – June 2002

Northern Arizona University, Flagstaff, AZ

Parasitology laboratory

Intertidal Invertebrates of the Sea of Cortez; field instruction

Lower Invertebrates laboratory

Human Anatomy and Physiology laboratory

Zoology laboratory

Laboratory Skills

- Proficiency with stereo and compound microscopy including analytical imaging software
- Microbiological culture, identification and media formulation
- Analytical techniques; spectrophotometry, fluorescence, GCMS, chemical analyses, dissolved solids quantification, extraction and gel electrophoresis
- Methods for biomass quantification
- Live animal husbandry

Computing skills

- Macintosh and PC operating systems
- Microsoft Office Suite
- Microsoft Project
- Access database
- SCADA interface systems
- Blackboard Academic
- Statistical software including SAS, SPSS, Minitab and JMP

Awards Received

November 2009: American Red Cross Mass Care and Shelter Operation Certification
March 2005: American Indoor Air Quality Council Indoor Environmentalist Certification
Spring 1999: Senior Achievement Award & Senior Scholastic Award
Spring 1999: Bayless Memorial Scholarship
Summer 1998 through Spring 1999: Hooper Grant for Undergraduate Research
Spring 1998: Phi Kappa Phi Scholarship
Spring 1998: Junior Achievement Award & Junior Scholastic Award

Publications and Presentations

Learned, J. and Shuster, S.M. [Geographic isolation and genetic differentiation among nine populations of the freshwater isopod, *Thermosphaeroma subequalum* \(Cole and Bane\)](#)
Society for Integrative and Comparative Biology Annual Meeting, 2004.

Curmi, R., Adkins, K., Yarborough, H.V., White, M., Serrato, K.M., Ketner, R.L., Learned, J. and S.M. Shuster. 2002. *Species composition and diversity within tests of the intertidal barnacle Tetraclita squamosa*. Journal of the Arizona-Nevada Academy of Sciences

Learned, J. and S.M. Shuster. 2001. *Thermosphaeroma bowmani, a new species of sphaerotid isopod from Casas Grandes, Chihuahua, Mexico*. Journal of the Arizona-Nevada Academy of Sciences.

Learned, J. and S.M. Shuster. 2000. *An analysis of genetic differences among nine populations of the freshwater isopod, Thermosphaeroma subequalum*. Journal of the Arizona-Nevada Academy of Sciences.

Volunteer Experience

Nature Conservancy Bird Banding Volunteer 2010
Delaware Breeding Bird Atlas Volunteer 2009
Friends of Cape Henlopen State Park 2008 - present
Session Chair and Assistant: Society for Integrative and Comparative Biology 2004
Editorial Assistant: Animal Behaviour Society newsletter, 2001
Guest presenter: Desert Marine Society, July 2001
Invitational Judge: Kinsey Elementary School Science Fair, 2000
Assistant: Phycological Society of America/International Society for Evolutionary Protistology/Society of Protozoologists meeting, 1998