STACY W. SENDLER
Curriculum Vitae

CONTACT INFORMATION

Stacy W. Sendler
Physical Sciences E-205
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Arizona State University
Tempe, AZ 85281
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EDUCATION

Northern Arizona University, Flagstaff, AZ
M.S., Environmental Chemistry - 1993
MS Thesis "Spectral Interferences in the Spectroscopic Analysis of Ground Water Samples"

University of Colorado
B.A., Chemistry - 1989

EMPLOYMENT HISTORY

CHEMISTRY INSTRUCTOR
School of Molecular Sciences
College of Liberal Arts/Sciences
Box 871604
Arizona State University
Tempe, AZ 85287-1604
(08/10 – present)

Senior Instructor for General Chemistry Recitation and Laboratory classes. Responsibilities include classroom instruction, curriculum updates, and mentoring graduate and undergraduate Teaching Assistants (TAs) and other Instructors. Administrative duties include leading staff meetings, managing course grading, and the on-line Blackboard course sites. Additional duties include lecturing General Chemistry courses, and acting as Asst. General Chemistry laboratory program coordinator.

SUBSTITUTE TEACHER
Mesa Public Schools
63 E. Main Street #101
Mesa, AZ 85201
(11/05 – 06/10)

Instructor for Kindergarten through 8th grade. Experience includes both short and long-term assignments including lesson planning and direct instruction. Possess a current Fingerprint Clearance Card from the AZ Dept. of Public Safety.

SENIOR PROJECT MANAGER
Environmental Scientist
Envirotech, Inc.
5796 U.S. Highway 64-3014
Farmington, NM 87401
(9/94– 5/02)

Responsible for the management of environmental abatement and remediation projects to meet state and federal regulatory agency guidelines. Responsibilities include extensive interaction with client and regulatory personnel, preparation and presentation of detailed reports, cost accounting, and schedule status. Projects include oil and gas industry site cleanup and remediation, underground storage tank removal and site remediation, environmental site assessments and landfarm remediation technologies. Additional responsibilities include the management of all laboratory functions including department budget preparation, capital expenditures, preparation of client proposals, data management and quality assurance. Specific duties include the preparation and presentation of proposals, site assessments, project status reports, and implementation of laboratory QA/QC programs.

ENVIRONMENTAL CHEMIST
El Paso Natural Gas Company
770 West Navajo Street
Farmington, NM 87401
(2/94 - 9/94)

Responsible for the quality assurance, laboratory analyses and data management required to complete two extensive environmental remediation projects involving natural gas production and transmission. Responsibilities included training of field personnel in proper sample collection, preservation and chain of custody protocols. Completion of these projects will result in the EPA approved closure of all remediated sites.

CHEMISTRY INSTRUCTOR
San Juan College
4601 College Boulevard
Farmington, NM 87402
(2/94 - 12/94)

College instructor of freshman chemistry courses having emphasis on the introduction of chemical principles. Instruction included both lecture and laboratory experiences as well as hands-on examples of actual chemistry applications.

ENVIRONMENTAL CHEMIST
GRADUATE ASSISTANT
Northern Arizona University
Department of Chemistry
Flagstaff, AZ 86011
(9/91 - 10/93)

Graduate research project for the development of improved ground water sampling and testing techniques. Responsible for project design which included on-site sampling, "design to test" controls, interference identification, operation of laboratory instrumentation (IC/ICP-OES) and all QA/QC. Project results were used for the tracking and monitoring of ground waters within Native American Nations of northern Arizona.

GRADUATE FELLOWSHIP
Los Alamos National Labs
Los Alamos, NM 87545
(5/92 - 8/92)

Appointed by the Department of Energy to undertake ground water sampling and testing research at Los Alamos National Laboratory in the Environmental Chemistry Group. Results of this research have been used to improve ground water and soils sampling and testing so as to minimize interferences associated with mixed phase solutions while assuring maximum instrument accuracy.

PROCESSES ENGINEER
Ball Aerospace Systems
Boulder, CO 80302
(3/83 - 7/91)

Responsible for the analysis and evaluation of materials and processes required for the manufacture of NASA specification aerospace hardware. Areas of expertise include metal finishing processes, cleaning solvent applications, industrial cleanroom compliance and process documentation. Further responsible for the neutralization and disposal of hazardous process wastes in accordance with all federal, state and local codes. Assigned to a special project to provide technical support to plant personnel for the elimination of chlorofluorocarbon materials.

PUBLICATIONS

"Trace Metal Analysis of Mixed-Phase Samples"
FACSS XIX, September, 1992

"Spectral Interferences in the Spectroscopic Analysis of Ground Water Samples", MS Thesis, 1993

PROFESSIONAL AFFILIATIONS and AWARDS

Sigma Xi Scientific Research Society
American Chemical Society - ACS Women Chemists in Industry

2015 Distinguished Instructor, Arizona State University Department of Chemistry and Biochemistry, Tempe Campus

COMMUNITY SERVICE PROJECTS

President – Red Mountain High School Boys Golf Booster Club Aug 2014-May 2016

Responsible for chairing a 4 member board, and the organization of fundraising to support team activities. Responsibilities include chairing monthly meetings, drafting and updating organization bylaws, interfacing with coaches, parents, and school administrators, and deciding on expenditures of team funds.

Volunteer – General Assistant, AmeriCorps Arizona State Parks Volunteer Program 2012-present

Assist with Family Campout Weekends at Arizona State Parks. Responsibilities include check-in/check-out of families and equipment, leading camping activities including archery, mountain biking, geocaching, educational programs, and set-up and take-down of program equipment.