

GUY W. SEWELL, Ph.D., BCES

Robert S. Kerr Endowed Chair
Director of R&D, The Oka' Institute
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Education/Certifications

Board Certified Environmental Scientist, October 2016-22. Ground Water and Subsurface Environments Specialty (BCES), American Academy of Environmental Engineers and Scientists.

Quick Advantage Entrepreneurship Program (Certificate). East Central University. 2003.

Economics and the Environment Program (Certificate) 2000, John F. Kennedy School of Government, Harvard University.

Ph.D. Microbiology, with emphasis in Biochemistry/Bacterial Physiology, July 1987, Oklahoma State University. Dissertation Title: Interactions of Polyacrylamides used for Enhanced Oil Recovery

B.S. Microbiology, minor in Chemistry, May 1980, Oklahoma State University.

Professional Experience:

President, Sewell Environmental Associates, LLC. January 2002-Present. Owner/President of Environmental Services Company. Duties include design, review and management of advanced biotreatment processes and natural attenuation implementations for soil and ground water, technical review of operations, performance data and Quality Assurance procedures and documents, for RCRA and CERCLA sites. Additional duties included preparation of reports and presentations of findings, conclusions, and recommendations.

Director for Research, The Oka' Institute. 2016-2019, 2022-2023.

East Central University, Ada, OK. Conceptual designer and advocate for a community funded, \$3 million Water Resource Institute at ECU. Duties include development of strategic and operational plans for the Institute, directing university efforts in water related research, presentations to the public on water policy and economic development related to water technology. Additional duties included preparation and management of grants, design and oversight research projects and technology development.

Technical Subject Matter Expert. ERG Support contract, US-EPA. 2020-Present. Provide technical support, oversight and program review for on-going contaminant characterization and remedial efforts for USEPA. Work tasks included review of performance data and quality assurance documents preparation of reports and technical presentations on findings, conclusions, and recommendations.

Professor and Robert S. Kerr Endowed Chair in Environmental Health Sciences. 2002-2023. East Central University, Ada, OK. Duties include development of environmental research programs, EHS and WRPM academic program development and advancement, student instruction and recruitment, undergraduate research supervision, weekly classroom lectures and scientific presentations to students, community groups and scientific meetings. Other duties include design, implementation and oversight of laboratory and field research projects, management of quality assurance procedures, and HAZWOPER training instructor. 50+ scientific publications.

Technical Subject Matter Expert, Los Alamos National Laboratory. 2014-2018. Selected as a national expert, tasked to provide technical support, oversight, and program review for on-going contaminant characterization and remedial efforts for the Department of Energy's Los Alamos National Laboratory.

Work tasks included review of performance data and quality assurance documents preparation of reports and technical presentations on findings, conclusions, and recommendations.

Executive Director, Institute for Environmental Science Education and Research (IESER). 2007-2016. East Central University, Ada, OK. Conceptual designer for a multi-disciplinary research institute at ECU. Duties include leading the development of extramural research programs at the University and cooperative linkages to industry and regional communities to address environmental and natural resource issues. Additional duties included preparation and management of grants, design and oversight research projects and technical training.

Research Microbiologist, Research Team Leader, U.S.-Environmental Protection Agency, Robert S. Kerr Environmental Research Laboratory, Ada, Ok. 1988-2002. Duties included planning, managing, and conducting laboratory and field research on microbial processes in the subsurface, subsurface ecology, monitored natural attenuation and the development of innovative technologies for the treatment of organic and inorganic contaminants, and providing technical support and data review for government (EPA, DoD, DOE, States) and industry remedial actions.

Gas Research Institute Postdoctoral Research Fellowship, University of Florida, 1986-1988. Subject: World's first successful attempt at cloning of Xylanase and Xylosidase genes in anaerobic bacteria to support the development of biomass to energy programs. Duties included design and operation of research experiments, presentation of findings and preparation of scientific manuscripts and reports.

Leadership Positions, Awards, Honors, Memberships

Board Certified Environmental Scientist, (BCES). 2016. Specialty: Groundwater and the Subsurface Environment. *American Academy Environmental Engineers and Scientists, (AAEES).* International recognition as a senior professional and technical leader.

Arbuckle-Simpson Aquifer Drought Resiliency Task Force. 2015-present. Municipal representative and technical advisor for a Chickasaw Nation led multi-stakeholder initiative to develop drought contingency planning and response for a regional ground water/surface watershed resource. One of eleven funded nationally through the Bureau of Reclamation's *WaterSMART* Drought Response Program which assists stakeholders in building resiliency to drought and climate variability in the west.

Mayor, City of Ada. 2015-2018. **Councilman Ward 4, Ada City Council.** 2012-2022. Elected public official overseeing the collection and expenditure of a \$10 million budget and providing direction for municipal planning and development. Worked with State's Congressional Delegation to implement federal legislation to support City's strategic objectives in Water Resource, Transportation and Education.

Environmental Biotechnology Program Advisory Board. 2014-2020. *Pontotoc Technology Center.* Helped acquire funding and in the conceptual development of the State's first Environmental Biotechnology program for high school students.

Chairman, Ada Water Resources Board. 2012-2023. Co-author of the City's long-range water resources plan and provided oversight of the City's \$26 million water system up-grade, and an on-going multi-agency partnership to demonstrate and implement aquifer storage and recovery.

Chairman of the Board, Arbuckle Federal Credit Union. 2009 – 2016. Provided leadership and financial oversight the Credit Unions' operations, budget, and personnel. Oversaw the growth of the CU from \$2 million in total member assets to \$10 million during a period when most small credit unions were in decline.

President, ECU Faculty Senate. 2008 – 2009. Led faculty in a number of campus initiatives and joint governance efforts at ECU.

Additional Clubs/Society/Committee Memberships: American Water Resources Association, National Ground Water Association, Water Environment Federation, *Epsilon Nu Eta* (National EHS Honor Society), Oklahoma Municipal League, Ada Jobs Foundation, Joint 911 Committee, Ada Sunrise Rotary, CPASA, OK Golden Algae Task Force, US Coast Guard Auxiliary (past)