

Veronica Fitzgerald

Summary

Employment

2004 - 2008 Weskem, LLC Oak Ridge, TN

Chemist/Analytical Database Manager

Developed data computation tools for all phases of waste management and disposition at US Department of Energy (DOE) Oak Ridge Reservation sites. Developed EXCEL based computation tools and their governing procedures that were utilized in waste characterization, acceptance, disposal, and transportation. These These tools addressed the requirements of EnergySolutions and Nevada Test Site Waste Acceptance Criteria. Profiled hazardous and radioactive waste; performed interpretation and analysis of field and laboratory data.

1998 - 2004 ExxonMobile Chemical Company Baton Rouge, LA

Process Analytics Engineer

Provided primary on-line process analyzer engineering support in petrochemical environment. Evaluated the analytical needs of each unit supported, researched and applied appropriate technologies. Developed a highly innovative suite of data capture, analysis, and reporting tools for online process analyzers. Created process analytics blueprints used for compliance and gap identification, front-end engineering design, communication with other disciplines, and training. Managed project to install online gas chromatograph, which was part of control loop designed to prevent Department of Environmental Quality reportable low BTU events. Collaborated with other analyzer engineers in development of process analyzer sampling system prototypes that utilized components which provided real time monitoring of system physical parameters. Revised and rewrote Baton Rouge Chemical Plant *Site Analyzer Reliability Plan*. Prepared and conducted requisite retraining classes for plant maintenance personnel.

1975 - 1995 Oak Ridge Associated Universities Oak Ridge, TN

Research Scientist

Developed and implemented experimental protocols for biochemical studies focused on the role of bioactive phospholipids and their metabolites in membrane function and cellular signal transduction. This work was the basis of grant proposals funded by DOE, National Cancer Society, National Institute of Health, and US Air Force. Managed the operation of a biochemical laboratory and cell culture facility. Co-authored 34 scientific papers published in international peer reviewed journals.

1974 - 1975 Yale University School of Medicine New Haven, CT

Research Associate, Department of Pharmacology

Performed studies that determined the effect of novel compounds on immune responses.

Education	1995 - 1998	University of Tennessee	Knoxville, TN
		BS Chemical Engineering	
	1981 - 1983	University of Tennessee	Knoxville, TN
		MA Fine Arts	
	1970 - 1973	University of Tennessee	Knoxville, TN
		BA Biology	

Honors and Awards Nation Science Foundation Undergraduate Research Assistant in Chemical Engineering.
Honors design internship in industrial pollution control.

Other Accomplishments Designed and contracted construction of personal residence.
Created textiles that have been exhibited in museums and galleries nationally, have been included in numerous publications, and are represented in several collections.