

RICHARD M. HOSKINS
712 South Main Street
Columbia, South Carolina 29208
Telephone: (803) 348-8834
E-mail: hoskins@mail.psc.sc.edu

SUMMARY:

Analytical chemist with 32 years experience in the field including: laboratory management, analytical chemistry, quality control, research and development, environmental science. Specialization in wet chemical analysis, spectroscopy (AAS, GFAAS, ICP, IR), GC, and TOC analysis.

EXPERIENCE:

Graduate Student
University of South Carolina
1999 to Present
Columbia, South Carolina

Graduate student in the Department of Chemistry and Biochemistry performing research in laser induced breakdown spectroscopy.

Research Presentations/Publications:

"Quantitative Elemental Analysis of Metal Alloys by Laser Induced Breakdown Spectroscopy using Multivariate Calibration", Scott R. Goode, Richard M. Hoskins, Stephen L. Morgan, PITTCON Poster, March 9-10, 2003.

"Identifying Alloys by Laser-Induced Breakdown Spectroscopy with a Time-Resolved High Resolution echelle Spectrometer", Scott R. Goode, Stephen L. Morgan, Richard Hoskins, Allison Oxsher, *J. Anal. Atomic Spectro*, 9 2000.

"Analysis of Laser Induced Breakdown Spectroscopy at Short Times", Scott R. Goode and Richard Hoskins, FACSS Presentation.

"Laser Induced Breakdown Spectroscopy for Elemental Composition of Solutions", Allison Oxsher, Lori Grabill, Richard Hoskins, Scott R. Goode, FACSS Presentation.

"Optimization of Parameters in Laser Induced Breakdown Spectroscopy", Andrea Thomas, Richard Hoskins, Allison Oxsher, Scott R. Goode, FACSS Presentation.

"Analysis of Laser Induced Breakdown Spectroscopy at Short Times", Scott R. Goode and Richard Hoskins, PITTCON Poster, March 4-5, 2001.

Laboratory Technician
University of South Carolina
1999 to Present
Columbia, South Carolina

System administrator of Linux computer system for computer assisted teaching program. Maintain and repair teaching laboratory equipment. Maintain department PC computers including installation of new software and hardware. Train department personnel in the use of computers, instrumentation and other equipment.

Research Assistant
University of South Carolina
1999 to Present
Columbia, South Carolina

Nd-YAG Laser and ICP research assistance, including instrument installation, development of procedures, and operation of equipment. Evaluate data and write for publication.

Ink Department Supervisor
F B Johnston Group
1998
Chapin, South Carolina

Manage daily operation of laboratory and perform associated research for regional facility. Test compatibilities of inks and substrates. Develop formulas and adjust to color standards and requirements for national client accounts. Coordinate product quality with production department. Manage hazardous waste disposal.

Laboratory Director
Palmer & Mallard and Associates, Incorporated

1990 to 1997
Sumter, South Carolina

Manage daily operation of environmental laboratory. Hire, train, and supervise personnel. Perform sample analysis including wet chemical, physical, AAS, and microbiology. Interpret and communicate test results to clients and regulatory agencies. Budget formulation, implementation, and adherence. Develop marketing strategy and client base.

Water/Sewer Department Supervisor
Town of Santee

1987 to 1990
Santee, South Carolina

Supervise department personnel and the operation, monitoring, maintenance, and repair of water and sewer system for lakeside resort community.

Laboratory Supervisor
Smith-Emery Company

1986 to 1987
Los Angeles, California

Implement and maintain quality assurance program. Evaluate performance and efficiency of daily operation. Interpret and communicate test results. Perform chemical and physical analysis of samples.

Research Technician
Nalco Chemical Company Incorporated

1973 to 1985
Carson, California

Sample analysis, including proficiency in wet chemical analysis, spectroscopy (AAS, GFAAS, ICP, IR), GC, and TOC analysis. Train technicians in the chemistry and instrumentation necessary in quality control and analytical services. Implement computer programs and instrumentation.

EDUCATION:

University of South Carolina, Columbia	Chemistry	August, 2004	Ph.D.
University of South Carolina, Columbia	Chemistry	December, 1997	B.S.
Rio Hondo College, Whittier	Chemistry	June, 1972	A.S.

MILITARY SERVICE:

U.S. Navy Submarine Service - 1967-71
U.S. Navy Reserves - 1971-73

REFERENCES:

Available on request.