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MANAGEMENT AND SCIENTIFIC EXPERIENCE

- 2011-Present** **CHEMIST**, Argonne National Laboratory, Chemical Sciences and Engineering Division, Argonne, IL.
Leads basic research and development of sensors for nuclear forensics applications and nanoscale engineering.
- Present** **WOMEN IN SCIENCE AND TECHNOLOGY PROGRAM INITIATOR**, Office of the Director, Argonne National Laboratory, , Argonne, IL
Leads the program that aims to promote the success of women in scientific and technical positions. Through WIST, the Laboratory strives to encourage and develop the full potential of women in science and technology.
- 2007-2011** **POSTDOCTORAL PROGRAMS COORDINATOR**, Argonne National Laboratory, Division of Educational Programs, Argonne, IL
Administered and managed the Laboratory's Postdoctoral Programs. Provided guidance to the Laboratory Division offices to ensure requirements set by the Postdoctoral Program Office. Managed the selection process to hire postdoctoral candidates from all disciplines and strategic research areas including Named, Director's, and Programmatic Postdoctoral Fellowships. Interacted directly with the Laboratory Director, Deputy Laboratory Directors, and Division Directors, providing advice on the direction of the program to attract the best and brightest young scientists and engineers trainees.
- 2000-2007** **CHEMIST**, Argonne National Laboratory, Chemistry Division, Argonne, IL
Lead fundamental research and development in the areas of lithium rechargeable batteries, materials for hydrogen storage, and electrocatalytic membranes.
- 1996-2000** **ASSISTANT CHEMIST**, Argonne National Laboratory, Chemistry Division, Argonne, IL
Research and development of carbonaceous materials used for energy rechargeable systems
Responsibilities include the synthesis, physical, chemical, and electrochemical determination of novel materials.
- 1994-1996** **POSTDOCTORAL APPOINTEE**, Argonne National Laboratory, Chemistry Division, Argonne, IL
Synthesis and characterization of clays and clay nanostructures as templates for carbon nanofibers and carbon nanotubes for energy storage applications.

TEACHING EXPERIENCE

- 2007-Present** **ADJUNCT CHEMISTRY FACULTY**, Department of Chemistry, Benedictine University, Lisle, IL
Teaches General Chemistry Laboratory I and II
- 2001-2009** **ADJUNCT RESEARCH PROFESSOR**, Department of Chemical and Environmental Engineering, Illinois Institute of Technology, Chicago, IL
Co-advised eleven graduate students in electrochemical research (batteries, fuel cells, hydrogen storage).
- 1994-2002** **ADJUNCT CHEMISTRY FACULTY**, Department of Chemistry, Triton College, River Grove, IL
Taught General Chemistry I and II and Organic Chemistry I and II.

- 1990-1994** **RESEARCH ASSISTANT**, Department of Chemistry, Northern Illinois University, Dekalb, IL
Electrochemical synthesis and characterization of conductive polymers for fuel cell applications.
- 1988-1990** **INSTRUCTOR AND LABORATORY FACULTY COORDINATOR**, University of Costa Rica, San José, Costa Rica
Analytical Chemistry Lecturer. Analytical Chemistry Laboratory Coordinator. Managed four staff and eighteen teaching assistants.
- 1988-1990** **RESEARCH ASSISTANT**, Environmental Research Center, University of Costa Rica, San José, Costa Rica
Performed analysis of heavy metals in sea water of the Costa Rican Atlantic Coral Reefs using electrochemical and spectroscopic techniques.

EDUCATION

- 2009** **UNIVERSITY OF PITTSBURGH**, Pittsburgh, PA
Train-the-Trainer Workshop participant on Research Survival Skills and Ethics.
- 1994** **NORTHERN ILLINOIS UNIVERSITY**, Department of Chemistry, Dekalb, IL
PhD in Chemistry. Major: Analytical Chemistry; minor: Physical Chemistry. Advisor: Prof. Petr Vanysek.
- 1990** **UNIVERSITY OF COSTA RICA**, Department of Chemistry, San José, Costa Rica
MS in Chemistry. Major: Analytical Chemistry; minor: Industrial Chemistry.
- 1989** **UNIVERSITY OF COSTA RICA**, Department of Chemistry, San José, Costa Rica
BS in Chemistry summa cum laude.

SELECTED HONORS

- 2011** UChicago Argonne LLC Board of Governors Pinnacle of Education Award.
- 2004** Hispanic Engineer National Achievement Award for Excellence in Leadership, Science, and Engineering.
- 1992** Electrochemical Society Award. Sensors Division of the Electrochemical Society.

SELECTED PROFESSIONAL ACTIVITIES

- Member of the American Chemical Society and the Electrochemical Society
- Chair of the Chicago Section of the Electrochemical Society
- Chair of the Women in Science and Technology Diversity Committee
- Chemical Sciences and Engineering Postdoctoral Mentoring Coordinator
- Founding Member of the Hispanic Latino Club
- Mentor of three Postdoctoral Appointees
- Reviewer for Chemistry of Materials and the Journal of the Electrochemical Society
- Mentor at Introducing a Girl to Engineering Day and Science Careers in Search for Women

PUBLICATIONS, PRESENTATIONS, AND PATENTS

- 84 peer-reviewed publications
- 94 presentations (including invited and contributed talks)
- 3 patents