

Edward C. Fitzgerald

Department of Chemistry
300 Summit Street
Hartford CT 06106-3100

Phone: (860) 297-4252
Fax: (860) 297-5129
email: edward.fitzgerald@trincoll.edu

Education

Undergraduate University of Massachusetts, Amherst 1980 BS Chemistry
Graduate Mount Holyoke College, South Hadley 1984 MA

Professional Experience

Laboratory Coordinator & Lecturer Trinity College 2007-present

Teaching: General Chemistry Labs (4 per semester)
Supervising: Teaching Assistants for General Chemistry labs and lab prep people
College committee: TEAM group 2008-2016
Development: New labs to account for changes in lecture sequences. The development and testing of new labs were done during the summer of 2010 and are being followed up with a new lab in Spring of 2011.
Redevelopment: Re evaluated all labs and sequences of labs to come into line with the new concept of teaching chemistry by Atoms First. This involved realigning labs and developing new labs to meet the needs of the concept of Atoms First.
Video Taping Due to Covid, labs were online and in person. In process of video taping all labs done in Chem. 111 and Chem. 112. During times when labs are not being done by the students.

Director of Chemical Laboratories Mount Holyoke College 1988-2007

Teaching: General Chemistry and Organic Labs
PALMS workshops for teachers
PALMS labs for fifth graders City of Holyoke
Workshops for elementary school teachers- hands on chemistry
Safety workshops for High School Teachers
Development: Outreach program called ChemKits for elementary schools
Labs for introductory courses
Supervising: Undergraduate research students
Stockroom staff and undergraduate students
Administration: Preparation of all labs for the department
Maintaining inventory and budgets
Insuring proper safety codes

Chemical Hygiene officer Mount Holyoke College 1986-1990
 Implemented the Chemical Hygiene Plan for the sciences
 Developed lab safety training
 Developed lab inspections
 Developed and implemented safety training for all faculty, staff, students and public safety officers

Senior Technologist Leach&Garner Company 1984-1988 Attleboro, MA
 Developed new protocols for analysis of phosphorus in silver matrix
 Developed techniques for purifying gold for the electronics industry
 Overseer of the quality control lab for the company
 Developed new standards for reference materials to be used by all precious metal companies

Research Assistant Mount Holyoke College 1980-1984
 Worked on research with solar energy applications.

Publications F.G.Haibach, M.A. Gomez, E. Fitzgerald, K.E. Paczkowski, "NIR imaging of paintings: Looking for Deeper Meaning," Chemical Educator,12,349(2007)

Professional Associations

2008-2009: Programming Co-Chair for NERM 2009
 NERM: North East Regional Meeting of the American Chemical Society
 2000-2008: Coordinator of the National Chemistry Week mall events for the Connecticut Valley section of the American Chemical Society
 1999 –present Chairperson of the Educational Committee for the Connecticut Valley Section of the American Chemical Society
 1987-1993: Science Fair judge University of Massachusetts
 1980-present: Member American Chemical Society

Honors/awards

2010- Nominated for the Hughes Teaching award Trinity College
 2017- Awarded Local Section Outreach Volunteer of the Year for the Connecticut Valley Section of the American Chemical Society.