

Jeanne Berk

Associate Professor, Department of Chemical & Physical Science at Cedar Crest College

Allentown, PA, US

Jeanne Berk is an experienced educator in Organic Chemistry.

Description

Jeanne Berk, Ph.D. is an associate professor of chemistry at Cedar Crest. Her research as a graduate student was based on a new class of polymers called Dendrimers, which she synthesized and then studied their physical properties in solution. She moved to the Lehigh Valley after graduate school and worked as an adjunct instructor at local colleges and universities until finally settling into a position at Lehigh University. There, Berk acted as their first undergraduate laboratory manager, teaching and helping them redevelop their general chemistry laboratories into an inquiry based format. She left Lehigh and joined the Cedar Crest community in order to get back to teaching organic chemistry.

Jeanne has been a member of the American Chemical Society since 1993, and has been active in the Lehigh Valley Section for over 15 years. She has served the LVACS section as the Chair of the Awards Committee, Chair Elect, and Chair, and is currently a councilor for the section.

Jeanne is very active in chemistry academic outreach programs having work for several summers at Lehigh as part of the STAR Program which enhances science, technology, engineering, and mathematics in K-12 schools and the Greater Allentown Math and Science Program which works with local middle school science teachers. Currently she is serving on the committee for the Lehigh Valley Science Festival in collaboration with DaVinci Science Center, and is part of their Meet the Scientist program

Availability

Moderator, Panelist, Workshop, Host/MC

Industry Expertise

Education/Learning, Laboratory Services, Training and Development, Research

Topics

Organic Chemistry, Uv/Vis, Organic Synthesis, NMR

Affiliations

Kiwanis International : Member, American Chemical Society : Member, Alpha Chi Sigma : Member

Education

Seton Hall University
Ph.D. Physical Organic Chemistry

Seton Hall University
M.Sc. Physical Organic Chemistry

Miami University
B.Sc. Chemistry

Accomplishments

Analysis of Organosulfur Compounds found in Skunk Cabbage Tinctures Using Gas Chromatogram-Flame Ionization Detector (GD-FID)

J. Miller and J. Berk; Lehigh Valley American Chemical Society Meeting, Bethlehem, PA, April 2011.

Environmentally Friendly Synthesis of Novel Mono-Azo and Bis-Azo Dyes Using a Polymer Resin

A. Pulcini and J. Berk; Lehigh Valley American Chemical Society Meeting, East Stroudsburg, PA, April 2012.

Environmentally Friendly Synthesis of Novel Mono-Azo and Bis-Azo Dyes Using a Polymer Resin

A. Pulcini and J. Berk; American Chemical Society Mid-Atlantic Regional Meeting (MARM), Baltimore, MD, May 2012.

Analysis of Nicotine-like Compounds in Field Horsetail

T. Allen and J. Berk; Lehigh Valley American Chemical Society Meeting, Allentown, PA, April 2013

Qualitative and Quantitative Analysis of Heavy Metals in Hair Dye Henna

B. Colburn and J. Berk; American Chemical Society National Meeting, San Francisco, CA, August 2014.

Synthesis of Bis-Azo Dyes Using Polymer-supported Reagents

S. Cox and J. Berk; American Chemical Society National Meeting, San Francisco, CA, August 2014.

Everyday Chemistry as a Poster

J. Berk; American Chemical Society National Meeting, San Francisco, CA, August 2014.

Development Studies and Substrate Effects on the Use of Lawsone for the Enhancement of Fingerprints on Paper and Pottery

E. Williamson, M. Beyer, E. Schaeffer and J. Berk; Northeastern Association of Forensic Scientists Annual Meeting, Hershey, PA, November 2014.

Determination and Use of Diazonium ions for the Presumptive Testing of Narcotics Containing an Activated Atomic Ring

A. Fontanez and J. Berk, Northeastern Association of Forensic Scientists Annual Meeting, Hershey, PA, November 2014.

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