

Alan Wayne White

Ph.D. Organic Chemist/Polymer Chemist

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FORMAL EDUCATION

Harvard University, Cambridge, MA, Ph.D. Synthetic Organic Chemistry, 1981
Thesis Advisor: Paul A. Wender

University of Tennessee, Knoxville, BS in Chemistry, 1976

RESEARCH EXPERIENCE

Eastman Chemical Company (1981-present)

Polymer Research and Development

1999-2010

- Currently involved in the design of new polyesters and improvement of the processes to produce cellulose esters
 - Aided in the development and implementation of Eastman's new production process for PET, the water bottle plastic
 - Supervised a group of chemists and polymer scientists.

Polymers Synthesis Laboratory

1988-1998

- Designed and synthesized novel polyesters and blends, including biodegradable polymers
- Investigated catalyst chemistry, catalyst modifiers and polyester degradation reactions
- Pursued biodegradation testing, processing and applications development of polyesters
- Designed Eastman's commercial biodegradable copolyester
- Polymer processing, including compounding, film extrusion, and injection blow molding

Animal Health and Nutrition

1984-1988

- Designed and synthesized ionophores as animal feed additives
- Staff Assistant

Exploratory Organic Laboratory

1981-1984

- Synthesis of chemical intermediates
- Carbonylation chemistry
- Coal gasification

PUBLICATIONS AND PATENTS

I hold 41 United States patents and have 18 publications in the areas of synthetic organic chemistry, organometallic chemistry, biochemistry and polymer science. I have spoken at several national meetings and have lectured on college campuses.

RECENT AWARDS

American Museum of Science and Energy Award for the invention of Eastman's Biodegradable Copolyester.

OUTSIDE INTERESTS

Playing golf and tennis, and teaching Sunday School

Scientific Christian Apologetics

I became interested in creation science in the early 1980's when I began reading books by Henry Morris at the insistence of a friend of mine. My interest has grown, particularly over the past 10-15 years. I began attending AIG and CRS meetings and joined Canopy Ministries in about 2001. In the last 6-8 years, I have spoken numerous times in churches and Christian schools. I participated in a debate with the faculty at Tennessee Tech with John Baumgardner and Charles Jackson in 2005. I am currently a member of the Board of Directors of Canopy Ministries. Representing that ministry, I have been to Peru three times in the last 5 years doing "creation evangelism." During the last trip, I spoke in 7 different universities and 4 churches to a total of 3800 people.

Scientific Reference:

Stephen Falling

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