

# Alan Wayne White

## Ph.D. Organic Chemist/Polymer Chemist

Research Fellow  
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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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