

## **Nancy Jo Howard**

### **Educational Background**

#### **University of Manchester Institute of Science & Technology (England),**

Polymer and Fibre Science, Ph.D., 1979

“A New Approach to Detecting and Evaluating Structural Change in Nylon 6 Polymer”;  
Research involving colorimetric and spectral methods for detecting morphological changes induced in Nylon 6 through thermal, mechanical, and chemical treatment.

#### **University of Connecticut, Materials Science (Polymer), M.S., 1975**

Graduate courses in polymer chemistry, polymer physics, physical chemistry of macromolecules, microscopy, instrumental analysis, laboratory techniques for polymer synthesis, and additional supporting courses. Successful completion of qualifying exams.

#### **University of Connecticut, Textiles and Clothing (Materials Science), M.S., 1972**

“The Effects of Draw Ratio, Temperature and Moisture Content on the Thermal Shrinkage of Nylon 6,6, Yarns”

Polymer physics research studying morphological changes Nylon 6,6 fibers induced by thermal treatment.

#### **Cornell University, Design & Environmental Analysis, B.S. with Honors, 1970**

Honors research using a hot stage, polarizing microscope to study a range of synthetic fibers that normally undergo heat setting.

### **Work Experience**

#### **Philadelphia College of Textiles and Science, School of Engineering & Textiles**

August 1996 - Present      Assistant Professor - Textile Chemistry

#### **Philadelphia College of Textiles and Science, Advising & Counseling Center**

July 1992 - July 1996      Director

#### **Philadelphia College of Textiles and Science, Honors Program**

June 1988-1993      Director

#### **Philadelphia College of Textiles and Science, Chemistry & Physical Sciences**

January 1981-1992      Assistant Professor, Color Science, tenured

### **Professional Associations**

#### **Inter-Society Color Council (ISCC)**

1982-present	member
1984-1987; 1990-1993	Board of Directors
1982-1984	co-Chair, Committee #40-Color Education
1984-1992	co-Chair, Interest Group IV-Color Education

#### **American Association of Textile Chemists and Colorists (AATCC)**

1981-1992; 1996-present     member

**International Colour Association (AIC)**

1983-1992                     Chair, Study Group- Colour Education

**National Collegiate Honors Council (NCHC)**

1988-1993                     member

**National Academic Advising Association (NACADA)**

1992-1996                     member

**National Collegiate Athletic Association (NCAA)**

1992-2000                     faculty representative