

# Christine W. Cole

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## Education

Ph.D., Physical Chemistry, Massachusetts Institute of Technology  
B.S., Chemistry, University of North Carolina, Chapel Hill.

Dr. Cole received her B.S. degree in Chemistry from the University of North Carolina at Chapel Hill and her Ph.D. in Physical Chemistry from Massachusetts Institute of Technology. She was a Postdoctoral student under Dr. Robert H. Barker at Clemson University before joining the faculty of the School of Textiles. She was a guest worker at the Center for Fire Research at the National Institute for Science and Technology and a visiting researcher at the University of Science and Technology in Hong Kong. She serves as an external examiner, proposal reviewer, and consultant to several educational and governmental groups in Hong Kong. In 1987, she and Dr. John Peck (Professor Emeritus, Computer Science) founded [Clemson Apparel Research](#), a multidisciplinary center at Clemson University that focuses on working with apparel manufacturers to improve their commercial viability. CAR is internationally recognized for its expertise in apparel manufacturing, its support for textile and fabricated product manufacturers, and product development. CAR performs approximately \$2.2M in apparel research and implementation annually. Her general areas of research include all aspects of apparel manufacturing, textile testing, product development, shade sorting, and production support.

## Research

The Development of Stitchless Technologies for Fabrication of Chemical Protective Suits

Development of Techniques for Effectively Processing Orders for Small Units

Development of Electronic Special Measurement Forms for Clothing

Development of the Advanced Inflatable Airlock for NASA

Physiology of Mechanical Counterpressure Garments for Astronauts

Aerostat Design and Manufacturing