



DR. NOUREDDINE ABIDI

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Sustainable use of abundant natural biopolymers to develop technologies and products that protect the environment and provide economic values.

RESEARCH EXPERTISE

- Cotton fiber chemistry
- Functionalization of cotton fibers
- Bioproducts development
- Physical and chemical characterization
- Biopolymers chemistry and transformation

PROFESSIONAL PREPARATION

- B.S. University of Med I, Morocco, 1992
- M.S. University of Montpellier II, France, 1993
- Ph.D. University of Montpellier II, France, 1996
- H.D.R. University of Haute Alsace, France, 2007

FAVORITE ARTICLE

S.S. Rumi, S. Liyanage, N. Abidi. (2021). Conversation of low-quality cotton to bioplastics. *Cellulose* 28, 2021-2038. <https://link.springer.com/article/10.1007/s10570-020-03661-1>

"This research represents a foundation for the future production of bioplastics from cellulosic biomass. We demonstrated that waste and low-quality cotton can be converted to plastics that can degrade in the soil with no residues."

WHAT MAKES THE DAVIS COLLEGE GREAT?

"The inclusive nature of Davis College is a catalyst for success in collaborative research and teaching. The dedicated faculty and staff at Davis College create a force that provides an exciting and attractive environment for research, innovation, and student success."