



Department of Civil Engineering

**FALL 2021 SEMINAR SERIES**

**Dr. Deborah Aller**

Agricultural Stewardship Specialist  
Cornell Cooperative Extension of Suffolk County

**Monday, November 1, 1:00 – 1:55 PM, Frey Hall 309**

**ZOOM LINK:** Meeting ID: 950 8981 9867; Passcode: 860265  
<https://stonybrook.zoom.us/j/95089819867?pwd=NzdKQUJXU3J3NFN4VlpBUlp4bDFhUT09>

**Introduction to Biochar: Benefits, Applications, and Current Long Island Activities**

**Abstract**

Biochar is a carbon-rich material that can provide long-lasting agronomic, environmental, and social benefits. Although intended for use as a soil amendment and carbon sequestration agent, it is being used for numerous applications and is a rapidly growing industry. This presentation will provide an overview of what biochar is, its many potential benefits, and how it is being used across different sectors to enhance sustainability. On-going research activities on Long Island will also be presented.



**About the Speaker:** Dr. Deborah Aller is a soil scientist serving as the agricultural stewardship specialist with Cornell Cooperative Extension of Suffolk County. She works directly with farmers to reduce nutrient and pesticide loading from farmland to the ground and surface waters of Long Island. She conducts applied research, leads on-farm demonstration projects, and coordinates outreach events to educate farmers about current technologies and agricultural best management practices. She is an alumna of Stony Brook University and also holds an M.S. degree in Environmental Science from the University of Edinburgh, and a Ph.D. degree in Soil Science from Iowa State University.