

## Online Departmental Colloquium



**Dr. Brajendra K. Sharma**

*Eastern Regional Research Center*

*Agricultural Research Service*

*US Department of Agriculture, Wyndmoor, PA*

**Waste Conversion to  
Value-added Products**

**Wednesday  
August 31, 2022  
1:00 – 2:00 p.m.**

**Join Zoom Meeting**

<https://stonybrook.zoom.us/j/99825966285?pwd=bnFTZ1p5Qm9VZWYzN1R5OWh3SEJWdz09>

Meeting ID: 998 2596 6285  
Passcode: 969876

# Waste Conversion to Value-added Products

**Dr. Brajendra K. Sharma**

*Eastern Regional Research Center  
Agricultural Research Service  
US Department of Agriculture, Wyndmoor, PA  
Email: [brajendra.sharma@usda.gov](mailto:brajendra.sharma@usda.gov)*

## **Abstract**

The presentation will cover the conversion of various wastes, like plastics, lipids, wet feedstocks, and biomass into a variety of value-added materials like fuels, biolubricants, biobased additives and chemicals.

## **Biosketch**

Dr. Brajendra K. Sharma is a Research Scientist in Sustainable Biofuels and Coproducts Research unit of Eastern Regional Research Center, USDA-ARS. He is also a faculty member in the Dept. of Agricultural and Biological Engineering at UIUC and an External Advisory Board (EAB) member for the Chemical and Molecular Engineering (CME) Program at Stony Brook University. He is a fellow of the Royal Society of Chemistry and the Society of Tribology & Lubrication Engineers. He is on the Editorial Board of Fuel Processing Technology and is the associate technical editor for the Journal of Surfactants and Detergents. His areas of interest are biobased materials like biolubricants, biobased asphalt binders, biobased additives and chemicals, biofuels, and alternative fuels from wastes.