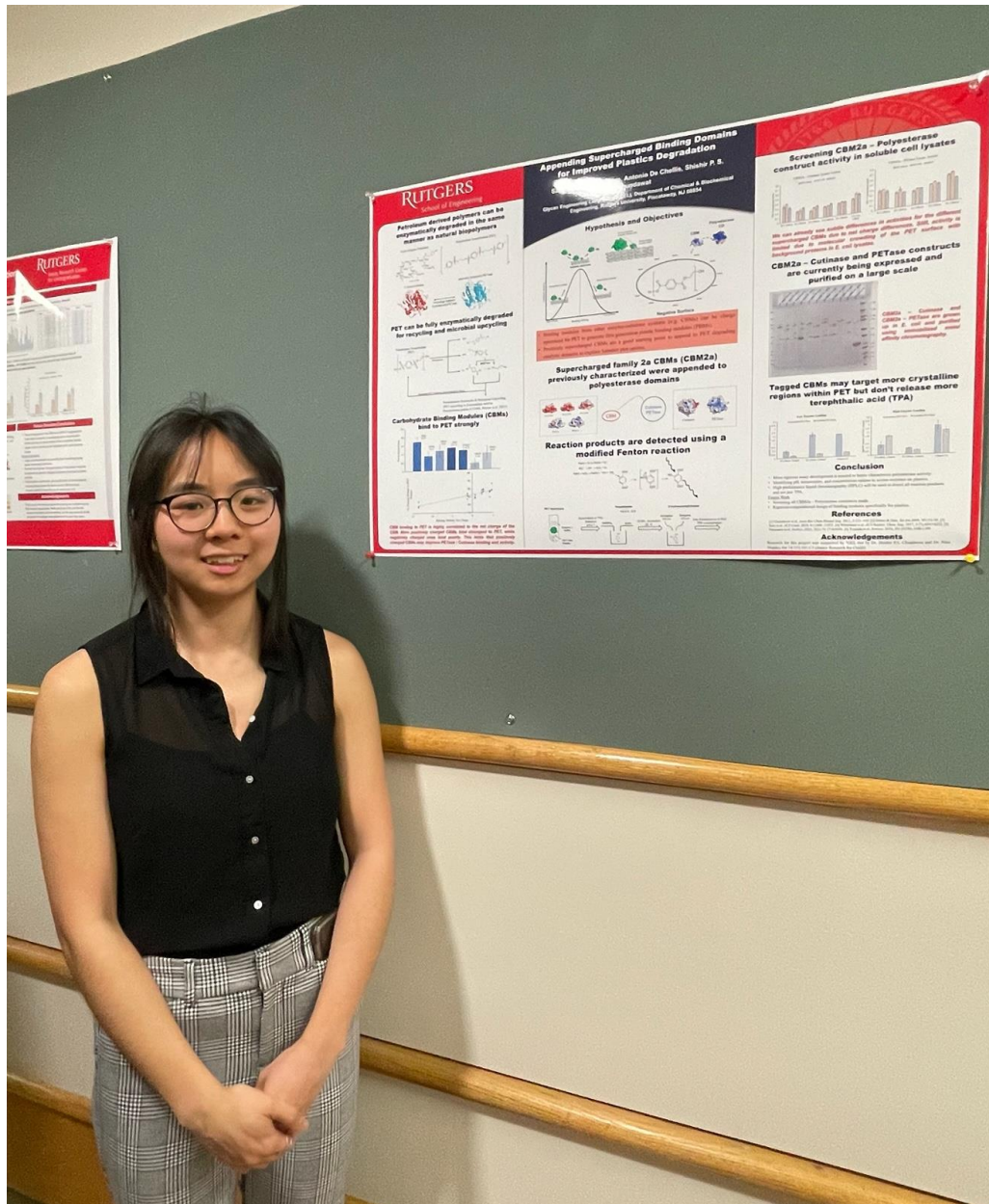


Please add the following news items to the website.

Title: Undergraduate students win multiple awards at CBE annual research symposium

Description: Congratulations to several Chundawat group undergraduate students on winning awards at the CBE Annual Undergraduate Research Poster competition. Reena Lubowski won first place (mentored by Antonio DeChellis), Minjal Baheti and Mahati Salapu (mentored by Ryan Murphy), and Samantha Shimabukuro won special mention for her performance at the symposium as well. Great work team!

Date: 18th April 2024



Please add the following news items to the website.

Title: Chundawat and Hildebrandt Granted USDA/Sungrant Award

Description: PI Shishir Chundawat will lead a team of researchers to develop integrated technologies for conversion of cellulosic biomass and biomass-derived CO₂ to fuels/chemicals. The project was selected for funding by the Northeast SunGrant program at Pennsylvania State University and supported directly by the United States Department of Agriculture (USDA). For this project Chundawat will collaborate closely with co-PI Professor Diane Hildebrandt from Rutgers Department of Chemical and Biochemical Engineering and co-PI Dr. Karin Calvinho of RenewCO₂, a Rutgers startup company. The team will develop and validate an innovative and integrated hybrid biocatalytic-electrocatalytic approach to enable sustainable lignocellulose bioconversion to biofuels using biocatalysts, alongside electrocatalytically converting fermentation-derived CO₂ to valuable co-products. This pioneering approach to repurposing carbon is critical to advancing carbon-negative biofuel technology. Other external project participants include Cornelius Masuku from Purdue University and researchers at the National Renewable Energy Laboratory (NREL). The \$535k project cost includes \$375k research grant from SunGrant/USDA with remainder in-kind and cost-share support from industry and university partners. The project will be completed over an eighteen-month period starting in Spring 2024.

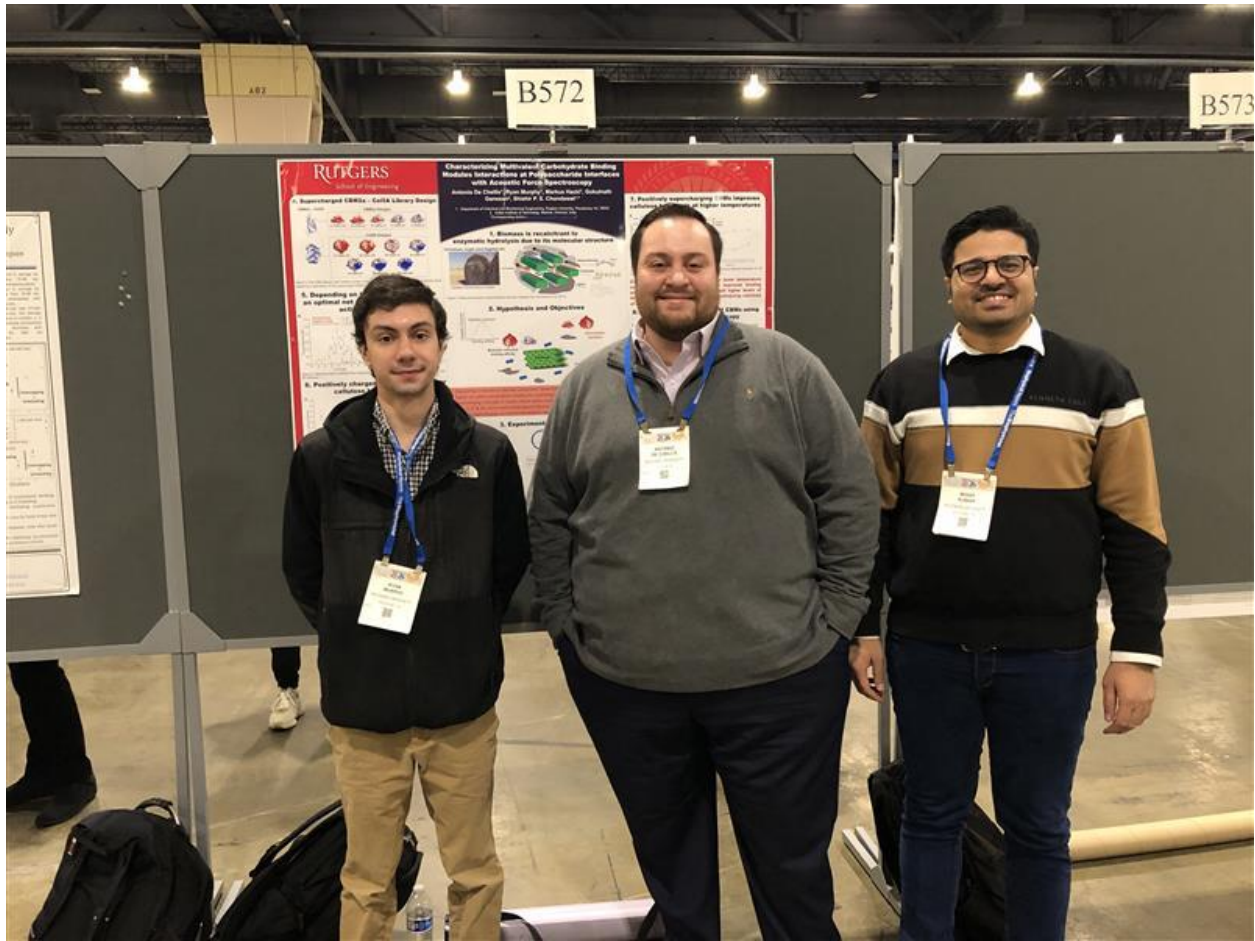
Date: 25th March 2024

Please add the following news items to the website.

Title: Chundawat group members received awards to attend annual BPS meeting.

Description: Antonio DeChellis and Mohit Kumar received the Rutgers RCEI and SGS travel awards for the Annual Biophysical Society (BPS) Meeting in Feb 2024 this year. Ryan Murphy and Srividya T. also co-presented posters at this event. Dr. Chundawat presented an invited talk at this meeting. See picture from the BPS event below.

Date: 15th Feb 2024



Please add these Rutgers undergraduate students to our website who started this semester. Please find their LinkedIn profile information to get that link and their picture to post online.

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Please add the following Publications to the website.

2024 – Now

Title: Supercharging Carbohydrate Binding Module Alone Enhances Endocellulase Thermostability, Binding, and Activity on Cellulosic Biomass

Citation: Antonio DeChellis, Bhargava Nemmaru, Deanne Sammond, Jenna Douglass, Nivedita Patil, Olivia Reste, and Shishir P. S. Chundawat

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