



STUDENT SUSTAINABILITY COMMITTEE

**Funding Award and Acceptance Letter**

December 9, 2018

Project: Pilot-Scale Implementation of Environment-Enhancing Energy (E2E) (*Student-Led*)

Dear Mx. Aierzhati:

On behalf of the University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC), I would like to thank you for considering the funds raised by the Sustainable Campus Environment Fee to implement a project that improves the sustainability of our campus. SSC is pleased to inform you that we are recommending to the Institute for Sustainability, Energy, and Environment (iSEE) that your project **receives \$150,000 in grant funding**. This fully funds all items on your proposal.

In order to remain eligible for this award, you must agree to the following conditions:


1. A final report of all work completed should be provided to the SSC Program Coordinator by January 31, 2021.
2. Project status updates and detailed account statements must be provided at the end of each semester, in the method requested, until the project is completed.
3. The Contact Person will be individually responsible for all official communication and the execution of this agreement.
4. The CFOP provided for this award shall strictly be used for the money awarded in this proposal.
5. Any substantial modifications to project scope, budget, or timeline must first be approved by SSC. These requests must be submitted in a formal letter to the Chair and Program Coordinator.
6. All projects will be expected to follow campus policies and procedures as well as any applicable State and Federal laws.
7. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
8. Any press releases or educational/promotional materials involving the project should acknowledge SSC funding.
9. Any signage involving the project or events surrounding this project should include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.

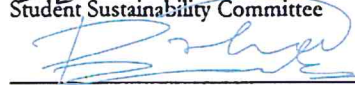
If you agree to the terms and conditions for the funding, please sign on the designated line at the bottom of this letter. If you have any questions regarding these requirements please contact the Chair, Adrian Chendra, at [chendra2@illinois.edu](mailto:chendra2@illinois.edu) or the SSC Coordinator, Cathy Liebowitz, at [cwl1517@illinois.edu](mailto:cwl1517@illinois.edu). You will be notified when the Institute for Sustainability, Energy, and Environment and Vice Chancellor for Student Affairs officially approves this project. Again, thank you for your interest in improving the sustainability of the University of Illinois at Urbana-Champaign. We look forward to working with you in the future.



STUDENT SUSTAINABILITY COMMITTEE


**SSC Signatories**

  
\_\_\_\_\_  
Adnan Chendra, Chair  
Student Sustainability Committee


  
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Prahallad Badami, Treasurer  
Student Sustainability Committee

12/14/18

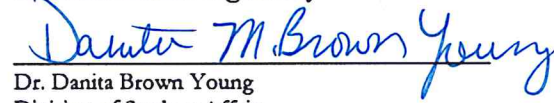
**Awardee Signatory**

  
\_\_\_\_\_  
Aersi Aierzhati  
Applicant

**iSEE Signatory**

  
\_\_\_\_\_  
Dr. Evan DeLucia, Director  
Institute for Sustainability, Energy & Environment

**Student Affairs Signatory**

  
\_\_\_\_\_  
Dr. Danita Brown Young  
Division of Student Affairs



STUDENT SUSTAINABILITY COMMITTEE

## Project Information

**Project:** Pilot-Scale Implementation of Environment-Enhancing Energy (E2E) Paradigm (*Student-Led*)

**Funding Source:** Sustainable Campus Environment Fee

**Funding Amount:** \$150,000

**Receiving Campus Unit:** Department of Agricultural and Biological Engineering

**Unit Financial Contact:** Ronda Sullivan

**E-mail:** rsully@illinois.edu

### Project Description:

This graduate student-led team will augment management of food waste produced through the dining halls on UIUC campus, via hydrothermal liquefaction (HTL) for biofuel production. This is an expansion of Dr. Yuanhui Zhang's Environment-Enhancing Energy (E2E) research program focusing on Waste-to-Energy. During the Fall 2017 preliminary study, the student team proved that mixed and individual food waste can effectively convert into biocrude oil with different oil yields under different operating conditions. This SSC grant supports the team's efforts to pilot the process on a larger scale, converting up to one ton of food waste to biocrude oil per day. For outreach, the team will offer tours, display a mobile demonstration, publish their results on campus media, and engage undergraduate students in the research process.

This proposal directly funds:

1. Student wages
2. Laboratory testing
3. HTL equipment
4. Biocrude upgrading