



## Student Sustainability Committee Funding Award Letter



11/11/2025

**Project:** Magnetically Driven Biodiesel Catalysis With Deep Eutectic Solvent-Functionalized Nanoparticles

Deborah Schmitt,

The University of Illinois at Urbana-Champaign Student Sustainability Committee (SSC) is pleased to inform you that your project has received approval from the Institute for Sustainability, Energy, and Environment (iSEE), and the Vice Chancellor for Student Affairs.

The Student Sustainability Committee is proud to award **\$100,540.00** in grant funding for **Magnetically Driven Biodiesel Catalysis With Deep Eutectic Solvent-Functionalized Nanoparticles**.

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

1. This award is active for a period of **two (2) years** from the date of the fully authorized award letter or as otherwise indicated in this award letter. The Project Lead is the individual responsible for all official communication and the execution of this agreement. It is expected that this Funding Award Letter will be authorized expeditiously and that the project will be completed within these two (2) years.
2. The project's Financial Contact must submit the prescribed Banner Fund, Program, Index (FPI) Code Request Form to the University Accounting and Financial Reporting (UAFR) for the assignment of a Chart, Fund, Organization, and Program code (CFOP) **within four weeks** of receipt of this letter. The CFOP established for this award shall strictly be used to award the funds for this proposal and SSC-approved project-related transactions. All institutional accounting rules are applicable, including deficits being prohibited for SSC award-related CFOPs.
3. A progress report and a detailed list of expenditures must be provided by the end of each semester during which the award is active. The link to the on-line **SSC Semester Progress Report** can be found on our website. All progress reports will be available to the public via the SSC's Illinois Climate Action Plan (iCAP) project portal.
4. A final report of all work completed, a full list of expenditures, and a detailed sustainability impact report must be provided to the SSC by **11/17/2027** or by project completion, whichever comes first. The link to the on-line **SSC Final Project Report** can be found on our website. The SSC reserves the right to rescind all remaining funds after project is completed or after project is expired, whichever comes first. The final project report will be available to the public via the SSC's Illinois Climate Action Plan (iCAP) project portal.
5. Any substantial modifications to the project, including alterations to the project budget, timeline, and/or direction, must be submitted via a scope change application form at least **two (2) months** before the project's expiration date. A majority vote is required to approve scope changes. The link to the on-line **SSC Scope Change Application** can be found on the SSC website.

6. Should there be a need for a change to the Project Lead or other project team members including the Faculty/Staff Advisor and/or the Project's Financial Contact, a contact information change request form must be submitted. The link to the on-line **SSC Contact Information Change Request Form** can be found on our website.
7. Equipment purchased with SSC funds is considered property of the university. The sponsoring department is responsible for all equipment purchased with SSC funds. Equipment should be inventoried according to institutional procedures and should be returned to the department, as applicable, when not in use by the project team.
8. Marketing or educational/promotional material including but not limited to advertising, signs, digital ads, press releases, or other media involving the project or events related to this project must include SSC's logo and/or a statement of which fee funded the project. The project team must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.
9. The project is required to abide by all applicable institutional policies and procedures as well as applicable local, state, and federal laws.
10. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.

**Project Name:** Magnetically Driven Biodiesel Catalysis With Deep Eutectic Solvent-Functionalized Nanoparticles

**Funding Source:** CTEF/302571

**Funding Requested:** \$113,852.00

**Funding Allocated:** \$100,540.00

**Project Lead, Dept., and Email:** Deborah Schmitt, CBE, sdeborah@illinois.edu

**Unit Financial Contact, Dept., and Email:** Deborah Schmitt, CBE, sdeborah@illinois.edu

**Project Category:** Education & Justice

**Project Description:**

The Illinois Biodiesel Initiative at the University of Illinois Urbana-Champaign is a student-driven research program focused on practical, sustainable approaches for biodiesel production. This project addresses one of the key challenges in converting waste cooking oils with high free fatty acid content into high-quality biodiesel feedstocks. The approach combines deep eutectic solvents (DES) as green catalysts with superparamagnetic nanoparticles to enable efficient, recyclable, and energy efficient conversion under magnetic heating. The comparison between covalently bonded and non-bonded catalysts on the particles will give insight into how chemical anchoring at the particle surface improves catalytic performance and reduces leaching during repeated use. Overall, the study combines catalytic process design with materials development to enhance the performance and reusability of biodiesel catalysts. Built on sustainable principles, the project provides students with hands-on experience in developing efficient catalytic processes and involves them in interdisciplinary research across chemistry, materials science, and engineering.

**This proposal directly funds the following. See approved budget and SSC communications for details.**

- |                         |                     |
|-------------------------|---------------------|
| 1. Scientific equipment | 3. Publishing costs |
| 2. Laboratory supplies  | 4. Student wage     |

## Funding Approval

Student Sustainability Committee, Chairperson

Ellen Cha

Name



Signature

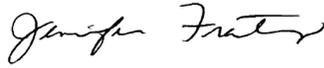
11/13/2025

Date

Institute for Sustainability, Energy and Environment, Director

Jennifer Fraterrigo

Name



Signature

11/13/2025

Date

Vice Chancellor for Student Affairs

Domonic Cobb

Name



Signature

11/14/2025

Date

## Funding Acknowledgement

By signing below, I agree to the terms and conditions for this award. If you have any questions regarding these requirements, please contact the Student Sustainability Committee Advisor at [ssc-advisor@illinois.edu](mailto:ssc-advisor@illinois.edu).

Award Recipient

Deborah Schmitt

Name



Signature

11/14/2025

Date

# FALL 2025\_SSC AWARD\_BIODIESEL CATALYSIS\_SCHMITT

Final Audit Report

2025-11-14

Created:	2025-11-11 (Central Standard Time)
By:	Sheri Glowinski (sherig@illinois.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAmy-5VlaeP0kZn3866prW49OtPWoeJMhM
Number of Documents:	1
Document page count:	3
Number of supporting files:	0
Supporting files page count:	0

## "FALL 2025\_SSC AWARD\_BIODIESEL CATALYSIS\_SCHMITT" History

-  Document created by Sheri Glowinski (sherig@illinois.edu)  
2025-11-11 - 2:53:15 PM CST- IP address: 192.17.6.251
-  Document emailed to Ellen Cha (ellenc3@illinois.edu) for signature  
2025-11-11 - 2:54:13 PM CST
-  Reminder sent to Ellen Cha (ellenc3@illinois.edu)  
2025-11-13 - 12:08:03 PM CST- IP address: 192.17.6.251
-  Email viewed by Ellen Cha (ellenc3@illinois.edu)  
2025-11-13 - 1:27:17 PM CST- IP address: 130.126.255.102
-  Ellen Cha (ellenc3@illinois.edu) authenticated with Adobe Acrobat Sign.  
2025-11-13 - 1:27:30 PM CST
-  Agreement viewed by Ellen Cha (ellenc3@illinois.edu)  
2025-11-13 - 1:27:31 PM CST- IP address: 130.126.255.102
-  Document e-signed by Ellen Cha (ellenc3@illinois.edu)  
Signature Date: 2025-11-13 - 1:27:40 PM CST - Time Source: server- IP address: 130.126.255.102
-  Document emailed to Jennifer Fraterrigo (jmf@illinois.edu) for signature  
2025-11-13 - 1:27:42 PM CST



-  Agreement viewed by Jennifer Fraterrigo (jmf@illinois.edu)  
2025-11-13 - 5:51:28 PM CST- IP address: 128.174.178.75
  
-  Jennifer Fraterrigo (jmf@illinois.edu) authenticated with Adobe Acrobat Sign.  
2025-11-13 - 5:53:24 PM CST
  
-  Document e-signed by Jennifer Fraterrigo (jmf@illinois.edu)  
Signature Date: 2025-11-13 - 5:53:24 PM CST - Time Source: server- IP address: 128.174.178.75
  
-  Document emailed to Domonic Cobb (dcobb@illinois.edu) for signature  
2025-11-13 - 5:53:26 PM CST
  
-  Email viewed by Domonic Cobb (dcobb@illinois.edu)  
2025-11-13 - 5:55:38 PM CST- IP address: 172.225.130.27
  
-  Agreement viewed by Domonic Cobb (dcobb@illinois.edu)  
2025-11-14 - 5:07:36 PM CST- IP address: 130.126.255.35
  
-  Domonic Cobb (dcobb@illinois.edu) authenticated with Adobe Acrobat Sign.  
2025-11-14 - 5:09:46 PM CST
  
-  Document e-signed by Domonic Cobb (dcobb@illinois.edu)  
Signature Date: 2025-11-14 - 5:09:46 PM CST - Time Source: server- IP address: 130.126.255.35
  
-  Document emailed to Deborah Schmitt (sdeborah@illinois.edu) for signature  
2025-11-14 - 5:09:49 PM CST
  
-  Email viewed by Deborah Schmitt (sdeborah@illinois.edu)  
2025-11-14 - 5:22:16 PM CST- IP address: 130.126.255.102
  
-  Deborah Schmitt (sdeborah@illinois.edu) authenticated with Adobe Acrobat Sign.  
2025-11-14 - 5:22:50 PM CST
  
-  Agreement viewed by Deborah Schmitt (sdeborah@illinois.edu)  
2025-11-14 - 5:22:52 PM CST- IP address: 130.126.255.102
  
-  Document e-signed by Deborah Schmitt (sdeborah@illinois.edu)  
Signature Date: 2025-11-14 - 5:31:17 PM CST - Time Source: server- IP address: 130.126.255.102
  
-  Agreement completed.  
2025-11-14 - 5:31:17 PM CST