What is SURP?

- Summer Undergraduate Research Program
- 10-week Faculty/Student research partnership
  - Biology
  - Chemistry & Biochemistry
  - Computer Science
  - Earth & Environmental Science
  - Mathematics
  - Physics
- Students are funded.
- Ends with the SURP Symposium Poster Presentations
& ScholarWorks by the Numbers
120 Presentations

185 Unique Authors

4 SURP Events

316 Author Credits

1910+ Downloads and counting...

2019-2022 SURP Stats - Source UNI ScholarWorks
On the Vulnerability of OpenThread to Agile Denial of Service Attacks
Cassidy Cronin, University of Northern Iowa
Sarah Diesburg, Ph.D., University of Northern Iowa
Dhritya Jaisimham, Ph.D., University of Northern Iowa

Using an Aminimide Polymer to Extract Lithium from a Brine Solution
Austin Heldbrode, University of Northern Iowa
Martin Chin, Ph.D., University of Northern Iowa

Developing Effective Air Quality Simulations Using AERMOD Model
Jens Peterson, University of Northern Iowa
Xinhua Shen, University of Northern Iowa

A Lite DAQ System for Precision Resistance Measurements
Nathan Schmidt, University of Northern Iowa
Timothy E. Kidd, Ph.D., University of Northern Iowa

The State of Safety Training, Facilities, and Resources for Chemistry Teachers: A National Survey
Lydia Richardson, University of Northern Iowa
Dawn Del Carlo, Ph.D., University of Northern Iowa

Curating a Global Collection of Fiddler Crabs for the American Museum of Natural History, NYC
Samantha Heyer, University of Northern Iowa
Dee Dee Pitzen, University of Northern Iowa
Amber Fields, University of Northern Iowa
Frank H. Barwell, University of Minnesota - Twin Cities
Carl L. Thurman, Ph.D., University of Northern Iowa

Assessing CP - 42 Habitat Value for Bees using the Floral Resource Index
Allison Egan, University of Northern Iowa
Gabrielle Brown, University of Northern Iowa
Ai Wen, University of Northern Iowa

University of Northern Iowa
STEM Support Services
Strategies that support inclusion of student work in ScholarWorks.

- Work with ScholarWorks Team
  - To work out the process
  - To create a collection
- Provide Poster Template
- Collect Posters & Permissions electronically when they are submitted for printing.
- Communicate with students & faculty to ensure embargoes, authorship, etc.
Benefits to Citing Students Work

● Citable, student can reference their work in applications and interviews
● Creates a permanent record of student work
  ○ Gap before grad school
  ○ Embargoed work still has a citation
● Provides record of the science work of undergraduates.

"I like seeing where in the world my work is being appreciated. It gives me immense satisfaction to know that my name is being circulated in the scientific community. As I apply for graduate programs and internships, I believe this will boost my resume and, hopefully, pave the way for future career opportunities."

--Taylor Pruisman, 2022 Biology SURP Researcher
Iowa Academy of Science in ScholarWorks

- Mission: To Promote science research, science education, public understanding of science, and recognize excellence in these endeavors.
  - Journal of the Iowa Academy of Science (1987-today)
  - Proceedings of the Iowa Academy of Science (1887-1987);
  - science and education newsletters, white papers, and other documents.
Iowa Academy of Science in ScholarWorks

- By digitizing the IAS publications, UNI ScholarWorks provides faculty and students around the world access to the science of Iowans.


**Literature Cited**