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UMURJ • vol. 16, no. 1 • 2023
Dear Readers,

Our mission at University of Michigan Undergraduate Research Journal is to give students the opportunity to present and publish their research. We work with faculty members at the University of Michigan to review submissions to our journal and work with authors to present their research at the highest quality.

It is our pleasure to assemble another edition of our annual issue that exhibits research from life sciences, social sciences, math, physics, and humanities. The journal is proud of its interdisciplinary identity that represents the diverse academic exploration taking place on our campus.

Sincerely,

Daisey Yu, Editor-in-Chief (2022–23)
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https://doi.org/10.3998/umurj.3791
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Thanks to our Faculty Reviewers

We thank the following faculty for their contributions to ensuring quality work in the undergraduate research journal and providing guidance through feedback for all of our journal submissions.

Social Science

• Alan Deardorff, PhD
• Dominick Bartelme, PhD
Life Sciences

- Leonard Sander, PhD

Math and Physics

- Yang Chen, PhD
- Stilian Stoev, PhD

Thanks to our Student Interviewee

Avery Heo

Special Thanks to

- Luciana Aenăsoaie
- Amanda Peters
- Doreen Bradley
- Jason Colman
- Charles Watkinson
- Sean Guynes
- Lauren Stachew
- Rebecca Welzenbach
- Eric Shaw
- Alex Piazza
- Nick Wigginton
- Jimmy Branco

... without whom this colossal effort would not have been possible. Thanks to each of you for your outpouring of support along the way. We would also like to thank everyone at the Department of Communication Studies, the Physics Department, the Department of Classical Studies, the Philosophy Department, and the English Department for their generous contributions to the journal.
We are a student-run, non-technical research journal. Our mission is to build connections between undergraduates, graduate students, and the public, as well as among the different academic disciplines through the publication of non-technical articles in all fields of research. Our goal is to tap student creativity and effort in all academic disciplines through a peer-edited, faculty-reviewed electronic and print publication. We hope to inspire interest in research in the student body, faculty, and the campus community.