We are pleased to introduce the second volume of *Chrysalis: The Murray State University Journal of Undergraduate Research*. This second volume marks another year of outstanding research and creative activity by undergraduate scholars, continuing guidance and encouragement by faculty members, and a tradition of support by Murray State University for undergraduate scholarship.

This volume of *Chrysalis* contains scholarly work from the sciences, business, and the humanities, and it also marks the journal’s first inclusion of a piece of creative work. There is no single model for research, and *Chrysalis* provides a venue for research and creative activity of widely varied sorts and celebrates the many ways of knowing and thinking that are carried on and fostered at Murray State University.

*Chrysalis* not only celebrates undergraduate scholarship at Murray State University but also initiates students into the community of scholars. That community includes student researchers and artists, faculty mentors, librarians, and the readers of the journal. Each contribution to this volume has gone through several layers of scrutiny, including faculty mentors, the journal editors and specialized readers. As the volume passes into the hands of general readers, the articles therein spur discussions and further questions. Each article in *Chrysalis* can be understood not as the conclusion of research but as a doorway to further thought.

A journal that covers as wide a range of disciplines as *Chrysalis* does owe its existence to a wide, diverse university community. We thank all of those students who submitted articles for their contributions, and we congratulate them on their achievements. Similarly, we congratulate the faculty mentors; including their names and profiles at the beginning of each article is small recompense for the time, skill and energy they shared in guiding student scholarship. Presidents F. King Alexander and Kern Alexander, and Provost Gary Brockway have provided encouragement and financial support, for which we offer our gratitude. This publication would not be possible without professional support from the MSU Publications and Printing Services staff. We owe a special debt to Dr. Leon Bodevin for editing the Spanish version of Lance Lee’s article. Through every stage, Jody Cofer has skillfully managed manuscripts, abstracts, student and faculty biographies, and editorial communications.

Finally, we thank all university faculty who encourage and guide student research. We hope that *Chrysalis* continues to provide a forum for that research.

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