

Laura N. Olive

PRESENT ADDRESS

112 W Gillespie St., Apt. E
Starkville, MS 39759
(601) 5517270
lo210@msstate.edu

EDUCATION

B.S. Chemistry Minor: Philosophy Minor: Spanish GPA: 3.79/4	Mississippi State University Mississippi State, MS	May 2021 (expected)
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RESEARCH EXPERIENCE

Undergraduate Researcher in Computational Chemistry Spring 2019 – present

- Implement convergent quantum chemistry to benchmark chemical properties
- Analyze the performance of density functional approximations
- Research performed under the direction of Prof. Charles Edwin Webster and Prof. Eric Van Dornshuld

Publications

- Curious case of DMSO: A CCSD(T)/CBS benchmark study (expected submission) Spring 2020
L. Olive, E. V. Dornshuld, and C. Edwin Webster
(in preparation)

Oral Presentation

- Curious case of DMSO: A computational study January 2020
L. Olive, E. V. Dornshuld, and C. Edwin Webster
52nd Southeastern Undergraduate Research Conference, Tuscaloosa, AL

Poster Presentations

- Curious case of DMSO: A computational study August 2019
L. Olive, E. V. Dornshuld, and C. Edwin Webster
258th ACS National Conference and Exposition, San Diego, CA
- New insights into assessing the performance of DFT energetics on small oxygen/sulfur containing compounds August 2019
L. Olive, E. V. Dornshuld, and C. Edwin Webster
Summer Undergraduate Research Symposium, Mississippi State, MS
- Assessing the performance of DFT energetics on small oxygen/sulfur containing compounds July 2019
L. Olive, E. V. Dornshuld, and C. Edwin Webster
Feeding and Powering the World, University, MS

AWARDS

- Outstanding 3rd Year Chemistry Award
- Outstanding Undergraduate Research Award

PROFESSIONAL MEMBERSHIP

Member of the Mississippi State University Student Members of the American Chemical Society (SMACS)
Member of the Mississippi State University Biochemistry Club

OFFICER POSITIONS

Treasurer of SMACS

2020 - 2021