

## Dr. Lee J. Silverberg

Professor Tenure-Line

Chemistry

**Title of your research project.**

Assorted Pedagogy

**Description of research. Please provide a few sentences that explain the question and the methods employed in this research project.**

We have published various papers on pedagogical matters. Papers have been about topics such as novel methods used during COVID, technology used in the classroom, research with undergraduates, laboratory experiments, and questions of a theoretical nature.

**Did this project include Penn State students as researchers?**

Yes

**If yes to the above question, please state where it was published.**

Found. Chem., online Apr. 12, 2021.

J. Chem. Educ. 2020, 97, 3450-3454.

Best Practices for Supporting and Expanding Undergraduate Research in Chemistry, R. Jones, B. Gourley, Eds.; American Chemical Society Symposium Series eBooks, Washington, D. C., 2018, pp. 65-79.

The Power and Promise of Early Research, D. H. Murray, S. O. Obare, J. H. Hageman, Eds.; American Chemical Society Symposium Series eBooks, Washington, D. C., 2016, pp. 83-118.

J. Chem. Educ. 2016, 93, 941-944.

J. Chem. Educ. 2015, 92, 655-659.

J. Chem. Educ. 2014, 91, 1999-2001.

J. Chem. Educ. 2013, 90, 1087-1089.

**What problem do you address with your research?**

Innovation in teaching methods; The importance of undergraduate research.