

# Download Green Chemistry Experiments In Undergraduate Laboratories Acs Symposium Series

Green chemistry principles have been highlighted and incorporated into the organic classroom and laboratory for over twenty years. In order to provide educators with the tools necessary to implement environmentally conscious modules into their own courses, this chapter summarizes innovative greener experiments published in the pedagogical literature since 2012. This select collection of ...Microwave-Assisted Aspirin Synthesis from Over-the-Counter Pain Creams Using Naturally Acidic Catalysts: A Green Undergraduate Organic Chemistry Laboratory Experiment J. T. Fahey A. E. Dineen Green chemistry principles applied in this experiment include the use of renewable feedstocks, minimal/green solvents, and design for degradation. Groups of students are tasked with synthesizing polymers of different compositions so that comparisons can be made of their mechanical properties. Green Chemistry Experiments in Undergraduate Laboratories Edited by Jodie T. Fahey and Lynn E. Maelia. American Chemical Society. ACS Symposium Series. Each of the experiments presented in this text utilize one or more of the Twelve Principles of Green Chemistry, Green Chemistry Experiments In Undergraduate Laboratories Acs Symposium Series.

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