

Call for Abstracts

Division of Environmental Chemistry

American Chemical Society, August 16-20, 2020, San Francisco, CA



Animal agriculture emission measurement technologies

Purpose of Symposium

Animal agricultural sites such as livestock production facilities are significant emission sources for ammonia, odorous volatile organic compounds (VOCs), particulate matter (PM), and greenhouse gases. Accurate assessment of pollutant emission from distributed animal agricultural sites such as animal houses, treatment lagoons, land spread of manure, and feedlots requires sophisticated methods and sensors for control, mitigation and environmental assessment. The proposed symposium will provide a platform for researchers from diverse disciplines ranging from chemists, engineers, soil scientists, and micrometeorologists to present and discuss recent discoveries and development in modelling, sensors, and techniques to measure more accurately emissions from animal agricultural sites.

The topics covered in this symposium include, but are not limited to:

Suggested Topics

- *ammonia, odor, PM, greenhouse gases, VOCs
- *mathematical models
- *emissions from naturally and mechanically ventilated animal houses
- *measurement technology evaluation and performance
- *data quality, detection limits and uncertainties
- *advances in sensors
- *point, area, stationary, and moving sources

Abstract Submission Deadline: April 20, 2020

Please submit abstracts (<https://callforpapers.acs.org/sanfrancisco2020/ENVR>).

For further information, contact the organizers

Kyoung S. Ro, USDA-ARS, Florence, SC, USA, +1-843-669-5203 (Ext.107), kyoung.ro@usda.gov

Melynda Hassouna, French National Institute for Ag. Research (INRAE), France, +33 2 2348 5226, Melynda.hassouna@inrae.fr