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Lecturer Analytical and Environmental Chemistry
Bachelor's Degree: Moi University, 2005
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Research Interest, Expertise:

- Natural organic matter
- Humic substances
- Interactions of nanoparticles with natural organic matter

Awards and Honors

Charles E Coates Research Scholar, 2010

Publications

- Robert L. Cook, **Loice M. Ojwang**, Caroline L. Poché. "Nuclear Magnetic Resonance for Environmental Monitoring." *Encyclopedia of Analytical Chemistry*. R.A. Meyers 2010.
- Thomas S. Bianchi, Robert L. Cook, E. Michael Perdue, Paulina E. Kolic, Nelson Green, Yaoling Zhang, Richard W. Smith, Alexander S. Kolker, Alex Ameen, Gary King, **Loice M. Ojwang**, Caroline Schneider, Anna Normand, and Robert Hetland. "Impacts of the Horizon Oil Spill and Diverted Freshwater on Dissolved Organic Matter and Microbial Communities in Barataria Bay, Louisiana, U.S.A." *Marine Environmental Research*, 2011, 272 248-257.
- **Loice M. Ojwang** and Robert L. Cook. "Environmental Conditions That Influence the Ability of Humic Acids to Induce Permeability in Model Biomembranes 2013, *Environmental Science and Technology*, 2013, 47, 8280-8287.

Selected Presentations

- Spectroscopic Study of the Kinetics and the Mechanism of the Interaction of Humic Substances with Biomembranes, American Chemical Society (ACS) National Meeting Boston, MA 2010

- Spectroscopic Study of the Mechanisms of Interaction of Chemically Diverse Humic Substances with Biomembranes, American Chemical Society (ACS) National Meeting Anaheim, CA 2011
- Monitoring the Effects of Oil Contamination on Dissolved Organic Matter using Fluorescence and UV-Vis Spectroscopy, American Chemical Society (ACS) National Meeting Denver, CO, 2011
- Investigations of the Mechanism of Interaction between Humic Substances, Metal Salts, and Metal Nanoparticles with Biomembranes” American Chemical Society Fall National Meeting Denver, CO 2011
- Analysis of Environmental Impacts of Effluents Released into River Nzoia. Fifth International Conference on Chemistry and its Contribution to a Healthy Environment and Socio-economic Development, Kenyatta University, August 2005, Kenya.