

DR. JOANNE ATIENO OGUNAH

Name: Dr. Joanne Atieno Ogunah

Title/Qualification: PhD

Position: Chairman

Department: Physical Sciences

School: SPAS

Area of Specialization: Physical/Analytical chemistry

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Short Biography

Joanne holds Doctorate degree in Chemistry. She has published two (2) papers in peer reviewed journals on enhanced degradation of xenobiotics in water using zeolites. She is a DAAD scholar and a visiting researcher at Forschungszentrum Jülich, Germany .

Research Interests

- Catalysis materials with application in environmental remediation
- Xenobiotics degradation in the environment
- Biofuels production

Publications in Journals:

1. **J.A. Ogunah**, P.O Owuor, C. O. Kowenje, J.O. Lalah. Adsorption and desorption of chlorsulfuron in agricultural soils of Mara River Basin, Kenya. AJEA , 2016:12
(6) 1-10
2. **J.A. Ogunah**, P.O Owuor, C. O. Kowenje, J.O. Lalah. Effects of copper (II) on the sorption/desorption of chlorsulfuron in five wheat growing regions of the Mara River Basin, Kenya. AJEA , 2016:10 (5)1-9

3. **J. A. Ogunah**, C. O. Kowenje, E. T. Osewe, J. O. Lalah, D. A. Jaoko, R. N. Koigi, Effects of zeolites X and Y on the degradation of malathion in water, *Sci. J. Chem. MM* 2013; 1 (1): 7-13.
4. David J. Agoro, Chrispin O. Kowenje Joseph O. Lalah, Elly T. Osewe, **Joanne A. Ogunah** Effects of Zeolite X on Dissipation of Hexazinone from Agricultural Waste Waters in Western Kenya . *IJERT* 2013; 2(10): 177-180

Presentation of Papers at Academic and Professional Conferences

1. Presented a paper titled **Effects of zeolites X and Y on the degradation of Malathion in aqueous medium** on the EXCEED and UNESCO -DAAD conference on sustainable water management in African Countries at Kisumu Hotel, Kenya, October 1-3, 2012.
2. Presented a paper titled **Decontamination of water bound pesticide by use of zeolites** on the Inaugural Conference of Nanotechnology and Material Science development in Kenya at the Kenyatta University July, 2012.
3. Presented a research paper titled **Effect of zeolites on degradation in fresh water** to the Bondo University and Cape Peninsula University of Technology conference on food security and environmental sustainability in a world of changing climates. February, 2011