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Research Article

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Study the effect of different shapes of plume rise on Gaussian plume models and its maximum in unstable conditions

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Author(s): Khaled SM Essa, Sawsan EM El Saied*, AA Wheida and Mustafa El Naze

Exposure to radioactive pollutants such as Iodine-135 I135 seriously threatens public health and environmental balance. Monitoring and managing these pollutants require expensive economic equipment that is not suitable for low-income countries such as Egypt. Therefore, trying to derive a mathematical model that estimates the concentrations of these radioactive polluta ...

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Porous carbon derived from *Zea mays* cobs as excellent electrodes for supercapacitor applications

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Author(s): Moses Kigozi*, Richard K Koech, Kingsley Orisekeh, Ravi Kali, Omar LM Kamoga, Balaji Padya, Abdulhakeem Bello, Gabriel N Kasozi, Pawan Kumar Jain, John Baptist Kirabira, Azikiwe Peter Onwualu and Nelson Y Dzade*

Improving the efficiency of the electrode materials is critical for achieving high performance in supercapacitors. Porous carbon with appropriate designs is dependable for better electrochemical capacitors. In this work, we improved Zea mays (maize) cobs as a potentially plentiful precursor for generating porous carbon supercapacitor applications. The physical and che ...

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