Comparative study of condition factor, stomach analysis and some aspects of reproductive biology of two land crabs: *Cardiosoma armatum* (Herklots, 1851) and *Cardiosoma guanhumi* (Latreille, 1825) from a mangrove swamp ecosystem, Lagos - Nigeria

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A total samples of 858 of *Cardisoma armatum* and *Cardisoma guanhumi* collected from the Lagos Lagoon mangrove area of the University of Lagos were studied for their frequency, distribution, growth and sex ratio and a comparative analysis was done on both crabs. Investigation into their length-weight relationships, growth pattern, condition factor, food and feeding habits were carried out. The calculated Chi-square ($\chi^2$) test showed that male crabs of *Cardisoma armatum* and *Cardisoma guanhumi* were significantly (p<0.05) more abundant than the female crabs. The Condition factor K values for the *Cardiosoma armatum* and *Cardiosoma guanhumi* ranged from 3.3 to 30.7 and 3.1 to 28.6 respectively. This research study indicates almost similar biological features for both species.

Biography
Elegbede, Isa Olalekan obtained a Master degree in Marine sciences (Marine pollution and management) at the University of Lagos, Akoka and a Bachelor degree in Fisheries and Aquatic biology at the Lagos state University, Ojo, Lagos, Nigeria. He is a member of some international organizations namely; American Fisheries Society, USA (AFS); Association for the science of Limnology and Oceanography Texas, USA (ASLO) and the International Society of Environmental Indicators (ISEI). He has worked as a Health Safety and Environmental officer HSE (Internship) in Nigeria, a Fisheries officer (Internship) and a Project Officer. Due to his interdisciplinary interest, he is presently in Germany doing a second Masters programme in Environmental and resource management (ERM) at the Brandenburg University of Technology (BTU), Cottbus.

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