



SDI Review Form 1.6

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_35054
Title of the Manuscript:	Assessing and monitoring spatiotemporal distribution of mosquito habitats, Suez Canal Zone
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	Health of ecosystems equal human health. Humanity suffers from severe nuisances and diseases with disastrous human and economic consequences due to mosquitoes. On the one hand, their bites can cause severe irritations for humans or animals. On the other hand, mosquitoes are responsible for the transmission of many pathogens of medical and veterinary importance (viruses, bacteria, protozoa or nematodes). Indeed, many vector-borne diseases involving mosquitoes as vectors have recently emerged in the world. Thus, the spread of pathogens transmitted by mosquitos strongly depends on the evolution in time and space of the number of mosquitoes. It is for this reason that this research is of great importance in order to combat the vectors of disease transmission.	
<u>Minor</u> REVISION comments	It is interesting as described in this research; To couple the two approaches, temporal dynamics (predicting mosquito abundance) and spatial dynamics (aimed at predicting mosquito dispersal) to determine factors and processes that affect the abundance and dispersal of individuals .	
<u>Optional/General</u> comments	The spatio-temporal population dynamics model was designed to be used by technical services responsible for managing mosquito populations to test a wide variety of control strategies. Indeed, the control of mosquito populations remains a major component of vector control and control of nuisance generated.	

Reviewer Details:

Name:	ABA Mustapha
Department, University & Country	Morocco