

## Characterization and dynamics of siphonaphera populations and impact on health

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The history of biological associations may be observed as such association's predator-prey, host-parasite, host-symbiote. The host-parasite systems in particular are one of the models for the study of evolutionary ecology copies. And parasitism is a way interspecific interaction defined by the exploitation of the living by the living. Parasitism is the most common way of life on this planet, involving representatives of major taxa, from the simplest single-celled organisms to complex vertebrates. Each species is potentially a victim of several parasites and, consequently, the number of parasite species greatly exceeds the number of species "autonomous".

So we are interested by Fleas, specifically pets (dog, cat and rat urban) which will be a more detailed study. The objective of this work is to identify the species found and highlight their role as vectors of pathogens, as well as about the importance of vector-borne diseases which are associated in our region (detection agents pathogens by PCR).

### Biography

Madoui Bachir El Mouaz is a Ph.D student in "Animal Ecology" at the University of Badji Mokhtar Annaba in Algeria. He was the director of a pharmaceutical laboratory recognized. He has published more than 10 articles in leading journals.

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