

## MediLabSecure (WP3) – Newsletter n°24 – November 2020

Dear network members,

The Covid-19 crisis continues to impact negatively our activities. Logically, increasing part of the MediLabSecure activities are oriented to fight this emerging disease through a restrained transmission of its agent, the SARS-Cov-2 virus. The perspective opened by soon-coming vaccines may fortunately drive back our entomological work in a more usual way, perhaps during the first semester of 2021.



Here is one of the shorter newsletters of the Entomology MediLabSecure project (medical entomology), with the aim to provide few information and maintain link in our network.

### ENJOY READING

> [Cancer and mosquitoes – An unsuspected close connection](#)

Arnal et al, 2020. *Science of the Total Environment*, 743: 140631

The goal of this paper is to shed light on possible links between mosquitoes, mosquito-borne infectious diseases and cancer. A review written by close colleagues of my research unit in Montpellier.

> [The mosquitoes of Finland: updated distributions and bionomics](#)

Culverwell et al, 2020. *Medical and Veterinary Entomology*, doi: 10.1111/mve.12475

A nice paper that determines the mosquito present (40 species) and their distribution in Finland.

> [Sindbis Virus Strains of Divergent Origin Isolated from Humans and Mosquitoes During a Recent Outbreak in Finland](#)

Korhonen et al 2000. *Vector-Borne and Zoonotic Diseases*, 20(11):843-849.

A companion paper of the previous one, which focuses on arbovirus isolation from mosquito batches.

> [DNA barcoding of mosquitoes collected through a nationwide survey in 2011 and 2012 in Malawi, Southeast Africa](#)

Maekawa et al 2021. *Acta Tropica* 213, <https://doi.org/10.1016/j.actatropica.2020.105742>

A nice paper on mosquitoes in Malawi, combining field and lab researches. The analysis of COI sequences (the standard barcode gene for mosquitoes) is realized for 51 species.

And finally

[Brève histoire des moustiquaires imprégnées d'insecticide dans la lutte contre le paludisme : un témoignage sur la cruciale décennie 1980](#) [Brief History of Insecticide-Treated Bed Nets in the Fight against Malaria: A Testimony on the Crucial 1980's Decade]

Robert 2000. *Bulletin de la Société de Pathologie Exotique*, 2020, 113(2) :88-103; [doi:10.3166/bspe-2020-0128](https://doi.org/10.3166/bspe-2020-0128)

One of the actors of the discovery gives an overview of insecticide treated bed nets and brings his testimony on the circumstances and frames of mind which prevailed in the 1980's, a crucial decade for these breakthroughs which served humanity. A paper in French, with an Abridged English version. Also downloadable (during 2 weeks):

<https://filesender.renater.fr/?s=download&token=79f72a7d-b625-48a5-af6d-12409e5133b7>

I certainly may help those who fail to get the pdf of these papers.

Best regards,

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All the previous entomo newsletters are available on the [MediLabSecure website](#).