



## Arthropod-Borne Diseases Research Center (ABDRC)



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The Center for Research on Arthropod-Borne Diseases is one of the specialized research institutions in the field of public health that plays an important role in the identification, investigation, and control of diseases transmitted to humans by arthropod vectors such as mosquitoes, ticks, flies, and fleas. The center focuses on applied research and the development of scientific knowledge with the aim of reducing the burden of infectious diseases and improving community health.

The activities of this center include the surveillance and identification of various vector species and the study of their geographical distribution in different regions to enable the prediction of high-risk areas. In addition, epidemiological studies are conducted to analyze transmission patterns and the factors influencing the spread of diseases such as malaria, leishmaniasis, and viral fevers. Laboratory-based research is also carried out to detect pathogens in vectors, investigate insecticide resistance, and study disease transmission cycles, all of which contribute to improving control strategies.

Furthermore, the center evaluates and develops vector control methods through chemical, biological, and environmental management approaches in order to introduce the most effective and safest control measures. Other major activities include training and capacity building for public health professionals, providing scientific consultation to health policymakers, and conducting national and international research collaborations. Overall, by producing reliable and practical scientific evidence, the center plays a crucial role in preventing and controlling arthropod-borne diseases and in strengthening the public health system.