A convolutional neural network for species identification of mosquitoes
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Mosquito-borne illnesses pose a serious threat to public health, and efficient vector management depends on precise mosquito classification. Based on species, Convolutional Neural Networks have demonstrated potential in reliably categorizing mosquitoes. This work offers a novel method for classifying mosquitoes using CNN that entails gathering high-quality mosquito photos, creating a CNN model, and assessing the model's functionality. Vector control efforts are advanced as a result of the proposed CNN model's promising findings in discriminating between different mosquito species.

References

[1] Adhane, Gereziher and Dehshibi, Mohammad Mahdi and Masip, David, A deep convolutional neural network for classification of aedes albopictus mosquitoes, *IEEE Access*, olume=9:72681–72690, 2021.