ABSTRACT

The present work includes taxonomic investigations on 12 *Culex* species, 10 belonging to subgenus *Culex* and 2 belonging to subgenus *Oculeomyia*. The material for this study has been procured from the city of Chandigarh and its surrounding areas in the states of Punjab, Haryana and Himachal Pradesh. Although, mosquito fauna of Northwest India including the present study area has been searched earlier also, yet intensive surveys in the localities under reference have not been made so far. This is the reason that 8 species have been recorded for the first time from these localities. The results of these studies will prove highly beneficial to public health workers who search for the vector species in different localities. Studied species included *Culex (Culex) quinquefasciatus*, *Culex (Culex) vagans*, *Culex (Culex) hutchinsoni*, *Culex (Culex) fuscocephala*, *Culex (Culex) gelidus*, *Culex (Culex) tritaeniorhynchus*, *Culex (Culex) summorosus*, *Culex (Culex) vishnui*, *Culex (Culex) pseudovishnui*, *Culex (Culex) barraudi*, *Culex (Oculeomyia) bitaeniorhynchus* and *Culex (Oculeomyia) selangorensis*. 