

ECOLOGICAL STUDY OF EPIPHYTIC ALGAE ON PHRAGMITES SP. AND TYPHA SP. HYDROPHYTES IN KUFA RIVER

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ABSTRACT

The present study included some physical and chemical characters and epiphytic algae in Kufa river. Three stations were chosen on the river, Site one It is located at north of Al-Emam Ali Bridge about away 1km (Appendix A, plate1). Site two, It is located near Al-Kufa Bridge, about 3 km away from site one (Appendix A , plate 2 Site three It is located at meeting's point before dividing Kufa-river in Dabbat's region (the place of buffalo's farmer) with a lot of organic material waste, about 1km away from site two (Appendix A, plate 3) The samples were collected from these stations for three months from November 2014 to January 2015. Two kinds of plant were chosen which available numerously on the sides of the river they are Phragmites and Typha for study epiphytic algae on it. The Results showed that water river was alkaline and have good oxygen content and very hard. Hardness. Identification of algae was reached to (85) taxa , the dominance for Bacillariophyceae (Diatoms) about (55%,25%,17%,3%) Followed by Chlorophyceae Euglenophyceae. In the present study the Cyanophyceae epiphytic algae on Phragmites was higher than Typha for all study stations , the dominance for Bacillariophyceae species like, *Nitzschia palea* , *Fragilaria virescens* , *F. crotonensis*

KEYWORDS: Bacillariophyceae, *Fragilaria virescens*, *F. crotonensis*