



**The College of Graduate Studies and the College of Science Cordially Invite You
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Master Thesis Defense

Entitled

*THE IMPACT OF BIOTIC CHARACTERISTIC OF UAE COASTAL AREA ON MOVEMENT OF SOCOTRA
CORMORANT*

By

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Abstract

Monitoring Socotra Cormorant population and conducting research on their breeding biology and feeding habitats are considered the top priority for ensuring the long-term protection of their breeding colonies and feeding grounds. The research conducted by using ArcMap Software to map Socotra Cormorant migratory movements in the Arabian Gulf Region during 2013-2014 and 2014-2015 breeding seasons; and to determine environmental variables that affect migratory movement using GIS approach. Which helps to identify areas of conservation value. The study provided needed information on the current distribution of marine ecosystem (Mangroves and Coral Reefs), allowing for improved management plans of these important ecological assets. Although, there is no direct correlation between the movement of Socotra Cormorant and the distribution of both mangroves and coral reefs in Arabian Gulf region. Nevertheless, the existence of these ecosystems supports the marine life, the stability of coastline.

Keywords: Arabian Gulf, Coral Reefs, Mangroves, Seabird, Socotra Cormorant.