الملذ ص



Using GIS in the Applied Geomorphology Studies for Siwa Depression

Thesis contains introduction and five chapters **The First chapter** assigned for GIS studying and how to use it in the geomorphological studies. **The Scand Chapter** Study the physical geographical characters, such as geology, climatology, topography, ground water and soil characters. **The Third Chapter** contains the morphological study (elevation, slopes and profiles analysis). **The Forth Chapter** assigned for the geomorphological map studying begining of the scarpes geomorphalogical phenomenon (north scarpement, ridges hills, dranage and sand dunes) and finally studying the bottom depression geomorphological phenomenon such as isolated hills, saline lakes, salt flats, sabkas, nebkas and solution holls), while **The Fivth Chapter** assigned for the applied geomorphology for siwa depression divided into tow parts, the first about the geomorphological hazardous (salt weathering, subsurface water rise, rock fall and sand dunes movements" and the scand Part contains the development map proposal according to the previews study.