

# **Geoenvironmental Mapping For Southern Part of Syria by Interpretation of Space Images**

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A complete geoenvironmental researches are carried out by using space images. With production of various geoenvironmental maps 1/100000 scale, to the Southern area of Syria, 10000km<sup>2</sup>.

The Work include:

- Geological and geographical characteristic of the studied area including the out improper geological processes as: (abrasion, karest, sliding, soil, salinity and high humidity).
- Study and estimation to the artificial loads on the natural mediums as: (chemical pollution, mechanical and physical effects, geophysical and geodynamical loads).
- The work is completed through field actions, which are represented by checking the results of space images interpretation, collecting more than 4000 samples of rocks, soil, groundwater, surface water and bottom sediments for analyses.

As a result of that:

- A complete estimation to the natural medium situation of the Southern area of Syria.
- Giving estimation to the natural and geoenvironmental ability of the area according to its geodynamic and geochemical stability point.
- An environmental situation to the region is defined, according to its dangerous level: (accepted, low, middle and high), which have been determined, properties and degree of environmental deformation in it.