



University of zabol

Gradeute school

Faculty of agriculture

Department of Agronomy

**Thesis Submitted in Partial Fulfillment of the Requirement for the
degree of Master of Science (M. SC) in Agronomy**

**Evaluation of ecological conditions of
cultivation of castor bean in Sistan**

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Abstract:

With regard to industrial importance of castor and increasingly global demand for products of this crop, in addition potential of Sistan and history of this region in the field of agriculture this study was conducted to evaluate ecological Sistan of Sistan. Evaluated ecological factors were latitude, longitude, altitude, water resources and quality indicator of water including, salinity, TDS, hardness, pH, chlorine Ionantration in water, characteristics of soil including soil texture, structure, salinity, pH, characteristics of water including temperature, wind, radiation, evaporation, relative humidity, day to frost , in addition, compare of castor yield with other crops. Results indicated Sistan regarding weather is suitable for cultivation of castor, furthermos as regard to low demand of water and low requirements of castor cultivation, of this crop is recommended.

Keywords: Climatic conditions, Medicinal plants, Soil characteristics, Geographic information systems.