

## The impact of temperature and particle size parameters on the extraction of humic acid from peat at Zarand Region in Kerman, Iran

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**ABSTRACT:**

Being in the arid and semi-arid region, Iran is struggling with deficiency of the organic minerals in agricultural soil. Farmers used chemical fertilizers for sequential years in order to solve this problem. Over time researches have been done on negative consequences of chemical fertilizers caused farmers to utilize organic fertilizers. In this paper the impact of temperature and particle size parameters on the extraction of humic acid from Peat is studied at the Zarand region of Kerman in Iran. It is perceived that in 50°C temperature and 1 micrometer particle size, there is a highest percentage of extraction.

**Keywords:**

Humic acid, Particle size, Peat, Temperature.