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## **A Study of Some Hydraulic Properties of technical Fabrics Used for Combat Desertification \***

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### **Abstract**

**In this research, technical fabrics are used as blankets which prevent soil surface erosion and promote seed germination as way to mitigation of desertification .**

**Five different types of fabrics are prepared of natural fiber: coir, hemp, jute, treated cotton and raw cotton, then three hydraulic properties for prepared fabrics are tested: swell, water absorption, water vapour permeability.**

**It is found that all types of prepared fabrics are suitable to combat desertification whereas they have a high water absorption and they reduce water evaporation, the fabrics of jute and treated cotton have the highest water absorption and the fabrics of hemp and raw cotton have the lowest water vapour permeability.**

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**Keyword: fabric used for combat desertification, swell, coir fabrics.**

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\*For the paper in Arabic see pages (449-456).

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