

**Title:**

**SO<sub>2</sub> Removal by Using Jordanian Oil Shale Ash**

**Abstract:** (Your abstract must use 10pt Arial font and must not be longer than this box)

Oil shale ash was used to absorb sulfur dioxide from escaping into atmosphere. Slurry of different concentration of this ash showed uptake capacity of  $6 \times 10^{-4}$  mol/1.5 g ash obtained after 250 s. This value is increased with increasing the solution pH, decreasing the particle size of the ash, increasing the solution temperature and ash concentration. The process of uptake is coupled with both adsorption of  $\text{SO}_3^{-2}$  on the surface of metal oxides or reaction with alkali and alkali earth metal hydroxides.

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