

**Title:**

**Updated Developments and Activities in Oil Shale in Jordan**

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

This paper presents an updated report of the oil shale resources in Jordan. Recent discoveries of oil shale deposits will be highlighted. On one hand, the report will be a valuable and informative reference that describes the oil shale resources in every respect in terms of geological formation, chemical and mineralogical composition as well as the outcome of laboratory studies and recommendations and conclusions for promising and potential investments. On the other hand, the current activities in terms of the potential pilot activities of oil production will be touched on in terms of technical and economic feasibility studies.

The strategy for oil shale exploitation is directed to examine the possible use of the new technologies. Since none of the new technologies (retorting) have been tested in an oil shale-based commercial plant, it is wise to wait for the start-up of a larger oil shale retorting unit and of an oil shale based commercial CFB plant. At the same time, monitoring of technological breakthroughs in commercial oil shale exploitation and evaluation of both the retorting and the direct combustion options should be undertaken. Progress made in the development of oil shale technologies and monitoring of the experience world wide, together with the analysis performed in Jordan in addressing the water resources availability and disposal and environmental and other operational issues, should be utilized to formulate the strategy for economic exploitation of oil shale to meet Jordan's energy requirements.

Such a strategy should include formulation of guide-lines and codes for oil shale mining, ash disposal and water resource utilization and preparation and regulatory framework to encourage private sector participation, including the option of build, operate, and turn over (BOT), both in oil shale mining and power plant investment.

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