

Origin, Geology and Geodynamics of Black sea

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The Black Sea represents a unique geological basin characterized by a complex evolutionary history and diverse structural features. Its formation is related to the subduction of the Neo-Tethys Ocean and back-arc rifting processes. The anoxic environment at the sea floor facilitates the accumulation of organic matter, which contributes to its high petroleum geological potential. This paper discusses the geographical and geological characteristics of the Black Sea, its structural evolution, petroleum systems, and the results of recent studies. The presented information is important for a better understanding and utilization of the Black Sea's energy resources.