

HOGGAR SHIELD GOLD MINERALIZATION (ALGERIA)

KHOUDOUR DJAMEL

Department of Natural Sciences and Life, Faculty of Science, University of M'sila, Algeria

ABSTRACT

The Hoggar Shield is one of the most ancient geological objects of Algeria. It is made up of the Archean, Lower Proterozoic and Riphean-Vendiangranitoids, and metamorphosed volcanogenesedimentary rocks.

The main tectonic elements of the Shield are horst-anticlinoria and dividing them graben-sinclinoria. The age of their formation is about 760-600 millions years.

Gold ore mineralization is connected with hydrothermal veins of different age, origin and mineral composition. Five types of auriferous veins have been defined according to these criteria.

KEYWORDS: Hoggar Shield, Horst-Anticlinorium, Graben-Sinclinoria, Gold Mineralization, Geological Formations