

SMP055-P22

会場:コンベンションホール

時間: 5月23日17:15-18:45

アルカリ長石を置換する紅柱石について：南インド，ケララコンダライト帯の例

Andalusite replacing alkali-feldspar in pelitic migmatites from the Kerala Khondalite Belt, Southern India.

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We report the occurrence of unusual lamellar albite within andalusite and quartz in pelitic migmatite from the Kerala Khondalite Belt (KKB), Southern India. Lamellar albite within andalusite and quartz seems to be continuous with albite-lamellae in surrounding alkali-feldspar, suggesting that the andalusite and quartz replaced alkali-feldspar remaining albite-lamellae intact. In addition, the andalusite and quartz are often associated with calcite, indicative of high XCO<sub>2</sub> - fluid compositions (XCO<sub>2</sub>= CO<sub>2</sub>/ (H<sub>2</sub>O+CO<sub>2</sub>)). The origin of the association andalusite + quartz + albite + calcite and its significance on the metamorphic history of the KKB granulites will be discussed.

キーワード:紅柱石,アルバイト,アルカリ長石,ラメラ,ケララコンダライト帯

Keywords: andalusite, albite, alkali-feldspar, lamellae, Kerala Khondalite Belt