AMMONITE STRATIGRAPHY OF LOWER CRETACEOUS SUCCESSIONS WITHIN THE VIENNA WOODS (KALTENLEUTGEBEN SECTION, LUNZ NAPPE, NORTHERN CALCAREOUS ALPS, LOWER AUSTRIA)

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Detailed palaeontological, lithological and sedimentological studies of the Lower Cretaceous of the Lunz Nappe (Kaltenleutgeben section, Northern Calcareous Alps, Lower Austria) uncovered spectra of Upper Valanginian to Barremian macrofaunal elements (e.g. ammonites, belemnites). Cephalopod-bearing strata of the *trinodosum* Zone (middle Late Valanginian) to *angulicostata* auctorum Zone (*angulicostata* auct. Subzone, latest Hauterivian) have been investigated. The Barremian ammonites could only be recognized in isolated blocks.

The outcrop is situated in an abandoned quarry within the Flössel Syncline (part of the Lunz Nappe), which is formed of Upper Triassic dolomite, followed by a reduced Jurassic sequence. The core of the Flössel Syncline consists of the Lower Cretaceous Schrambach Formation.

Several significant ammonite abundance zones are presented, and a few of them are suggested to be of major importance for stratigraphic correlation. The '*Bochianites*/*Phyllopachyceras*-abundance zone', the '*Bochianites*-abundance zone', the '*Olcostephanus (J.) jeannoti*-abundance zone', the '*Euptychoceras*-abundance zone', and the '*Crioceratites krenkeli*-abundance zone' can be recognized at the investigated outcrop.

The '*Pseudothurmannia*-beds' and the '*Olcostephanus (J.) jeannoti*-Subzone' are important abundance zones ('marker-beds') at the investigated section.

The cephalopod fauna at the investigated quarry belongs exclusively to the Mediterranean Province.

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