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# Late Albian ammonites from Koraćica (Kosmaj Mountain, central Serbia) and their biostratigraphic implications

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**Abstract:** Nineteen late Albian ammonite taxa and one nautiloid species belonging to eight genera and four families are systematically described from reddish coarse-grained bioclastic packstones to rudstones of the Grab well section (Kosmaj Mountain), Vardar Zone of central Serbia. Among the identified taxa, the nautiloid *Eutrephoceras* cf. *clementianum* (d'Orbigny, 1840) and seven ammonite taxa, *Tetragonites rectangularis* Wiedmann, 1962, *Puzosia provincialis* (Parona and Bonarelli, 1897), *Bhimaites* cf. *pinguis* (Crick, 1907), *Beudanticeras* (*Beudanticeras*) cf. *beudanti* (Brongniart, 1822), *Hysterocheras* cf. *pseudocornutum* Spath, 1934, *Mortoniceras* (*Subschloenbachia*) *rostratum* (J. Sowerby, 1817), and *M.* (*S.*) cf. *perinflatum* (Spath, 1922) are recorded for the first time from Serbia. The identified taxa are typical representatives of the Tethyan faunal province. Ammonite taxa provide the first reliable biostratigraphic dating of the Grab well section of central Serbia. The reddish coarse-grained bioclastic packstones to rudstones (a 0.5-m-thick lens) belong to the upper Albian, which is proven by ammonites of the uppermost Albian *Mortoniceras rostratum* and *M. perinflatum* zones and the early late Albian brancoceratines *Hysterocheras orbigny* (Spath, 1922), *H. choffati* Spath, 1925, and *H. varicosum* (J. de C. Sowerby, 1824), which are equivalent to the *M. pricei*, *M. inflatum*, and *M. fallax* zones. The overlying 3.5 m of sandy packstones are assigned to the earliest Cenomanian based on the brachiopods *Capillithyris capillata* (d'Archiac, 1847) and *Terebrirostra lyra* (J. Sowerby, 1816), which characterize the

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