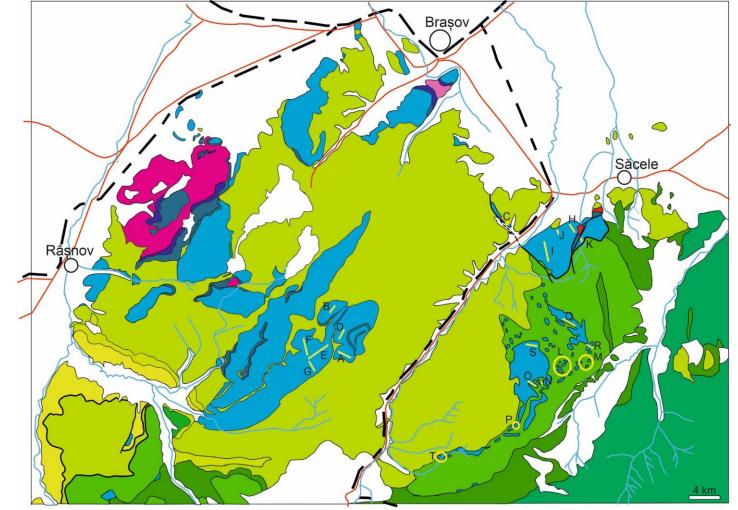
Upper Jurassic-Lower Cretaceous limestones from the easternmost Getic Carbonate Platform (Southern Carpathians, Romania). Microfacies, microfossils and depositional environments

Cristian Victor Mircescu, Ioan I. Bucur & George Pleș

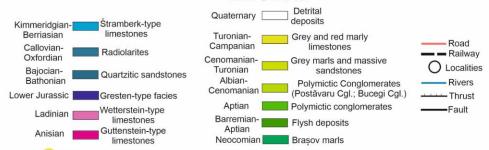
Romania, Babeș-Bolyai University of Cluj Napoca, Department of Geology, Mihail Kogălniceanu 1

Geological framework and location of studied sections



Modified from Sandulescu, 1964 and Sandulescu et al. (1972)

LEGEND



Studied sections: A- Valea Dragă; B- Drumul Albastru; C - Larga Mare; D - Vârful Postăvaru
E - Muchia Cheii-Trei Fetițe; F - Trei Fetițe-Cabana Postăvaru; G - Trei Fetițe-Poiana Secuilor; H - Bunloc Est; I - Bunloc Vest;
J - Cariera Bunloc; K - Cheile Baciului; L - Cabana Piatra Mare olistoliths; M - V. Gârcinului olistoliths; N - Şura de Piatră; O - Piatra Scrisă;
P - Coada Pietrei Mari; Q - Şirul Stâncilor; R - Peştera de Gheaţă; S - Prăpastia Ursului; T - Tamina

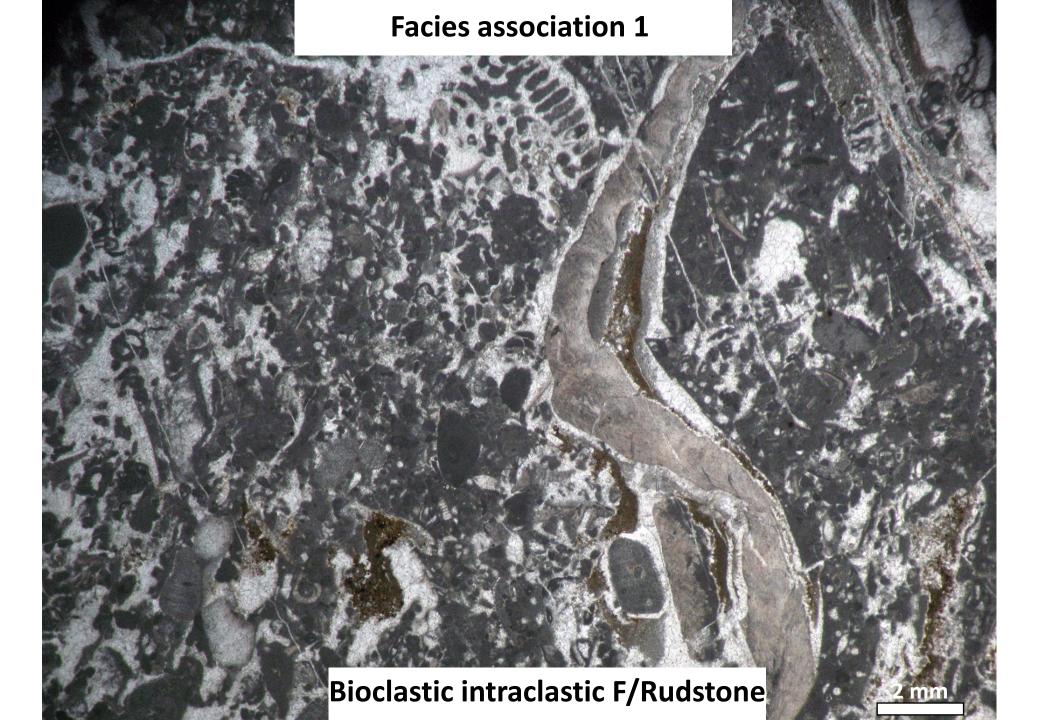
Outcrop characteristics

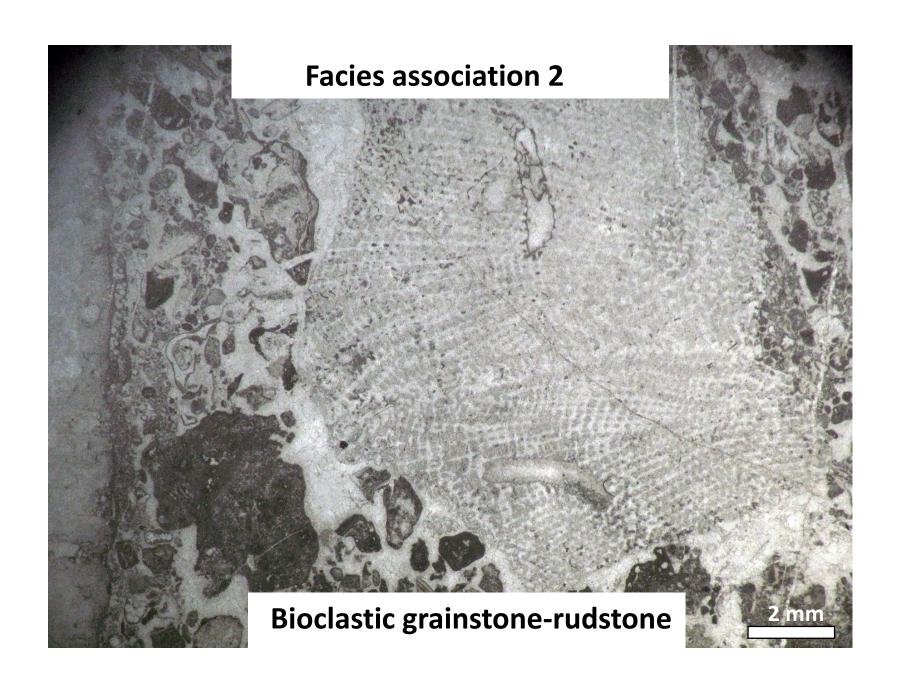


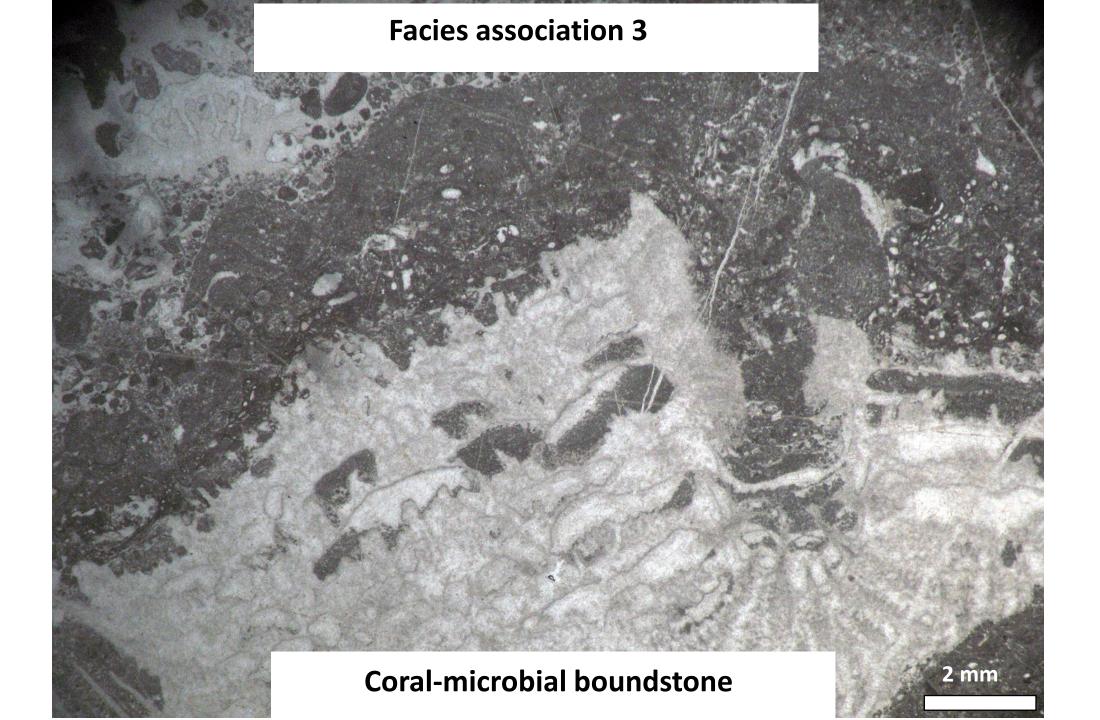


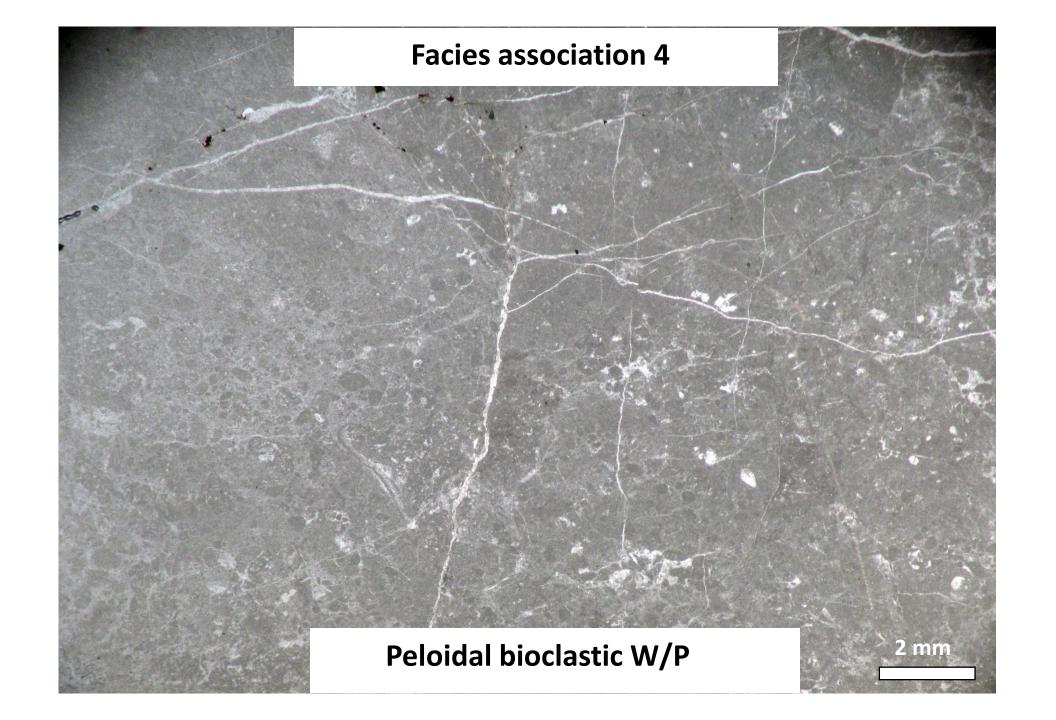


Facies associations

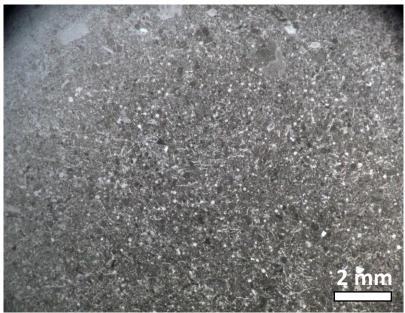






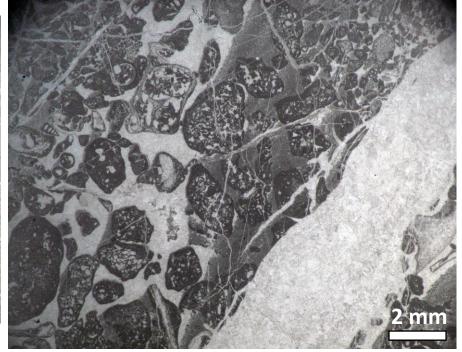


Silicified wackestone



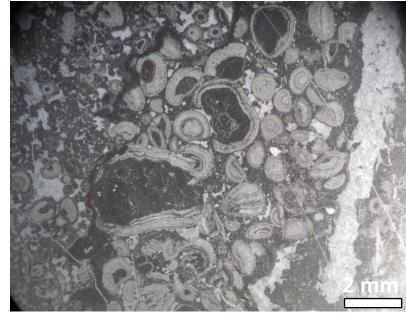
Facies association 5

Peloidal bioclastic grainstone



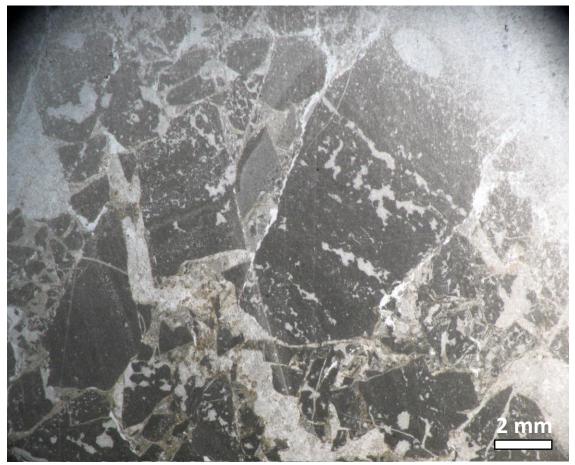
Facies association 6

Ooidic packstonegrainstone



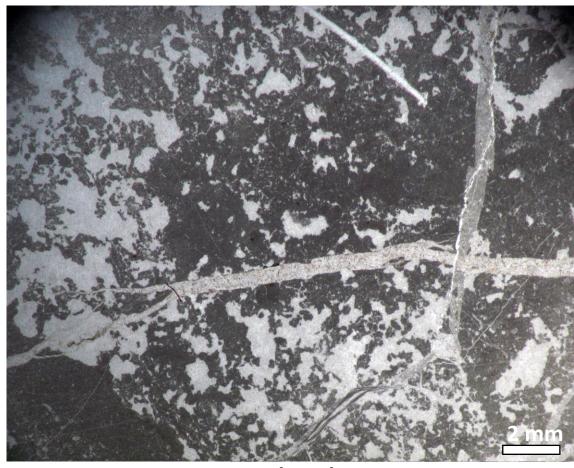
Facies association 7

Facies association 8



Fenestral peloidal packstone

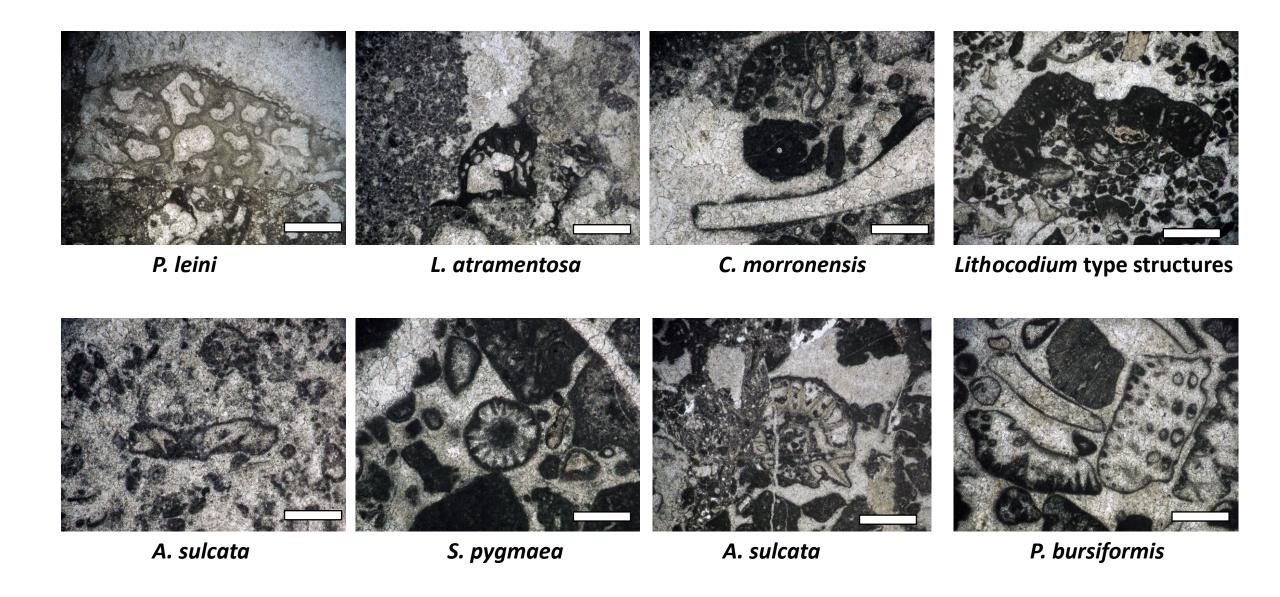
Facies association 9

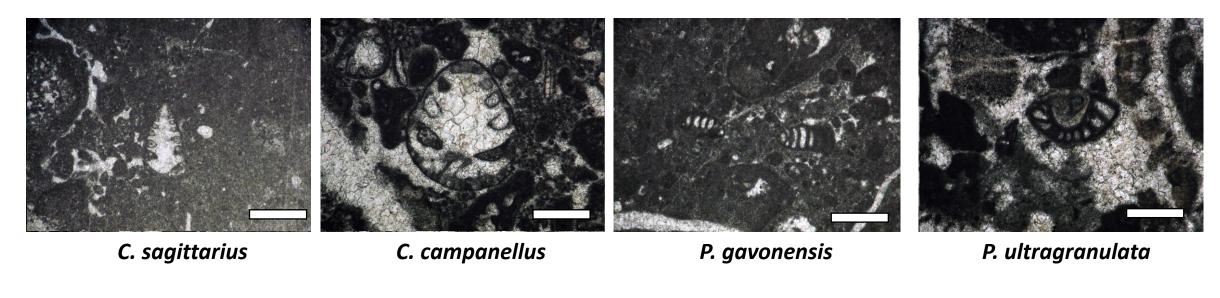


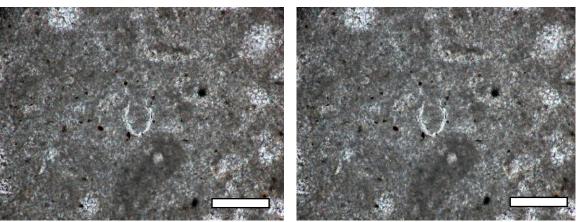
Fenestral wackestone

Micropaleontological associations

Encrusting organisms, dasycladalean algae, foraminifera and pelagic microfossils







C. alpina

Conclusions

- 1) This study was focused on interpreting the Upper Jurassic-Lower Cretaceous transition in the easternmost part of the Getic Carbonate Platform (Postăvaru Massif). Its main purpose was to elucidate facies and biostratigraphic uncertainties generated by the lack of similar aproaches in this area.
- 2) The microfacies data indicates that carbonate deposition was common in a large spectrum of depositional settings that range from basin (FA 5) to slope (FA 1-3) and inner platform areas (FA 6-9)
- 3) The micropaleontological assemblage characterizes the Kimmeridgian-Tithonian-Berriasian interval. The presence of some foraminifera (*C. campanellus, C. sagittarius, P. gavonensis*) and abundant calpionellids (*C. alpina*) indicates that carbonate sediment accumulation continued until the Berriasian.

Acknowledgments

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Thank you for your attention!