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SUPPLEMENTARY ONLINE MATERIAL FOR

New materials of multicellular algae from the earliest Cambrian Kuanchuanpu biota in South China

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Supplementary Online Material

SOM 1. {provide caption for the movie} available at

http://app.pan.pl/SOM/app67-Tang_etal_SOM/SOM_1.mp4

SOM 2. {provide caption for the movie} available at

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SOM 3. {provide caption for the movie} available at

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Fig. 1. Tabular cross beddings in the phosphorus limestone in Shizhonggou Section.

Fig. 2. EDS X-ray spectrums of *Calathophycus irregularata* gen. et sp. nov.

Fig. 3. External morphology and cell structures of modern species of *Dictyosphaeria*.



Fig. 1. Tabular cross beddings in the phosphorus limestone in Shizhonggou Section in Ningqiang County, Shaanxi Province.

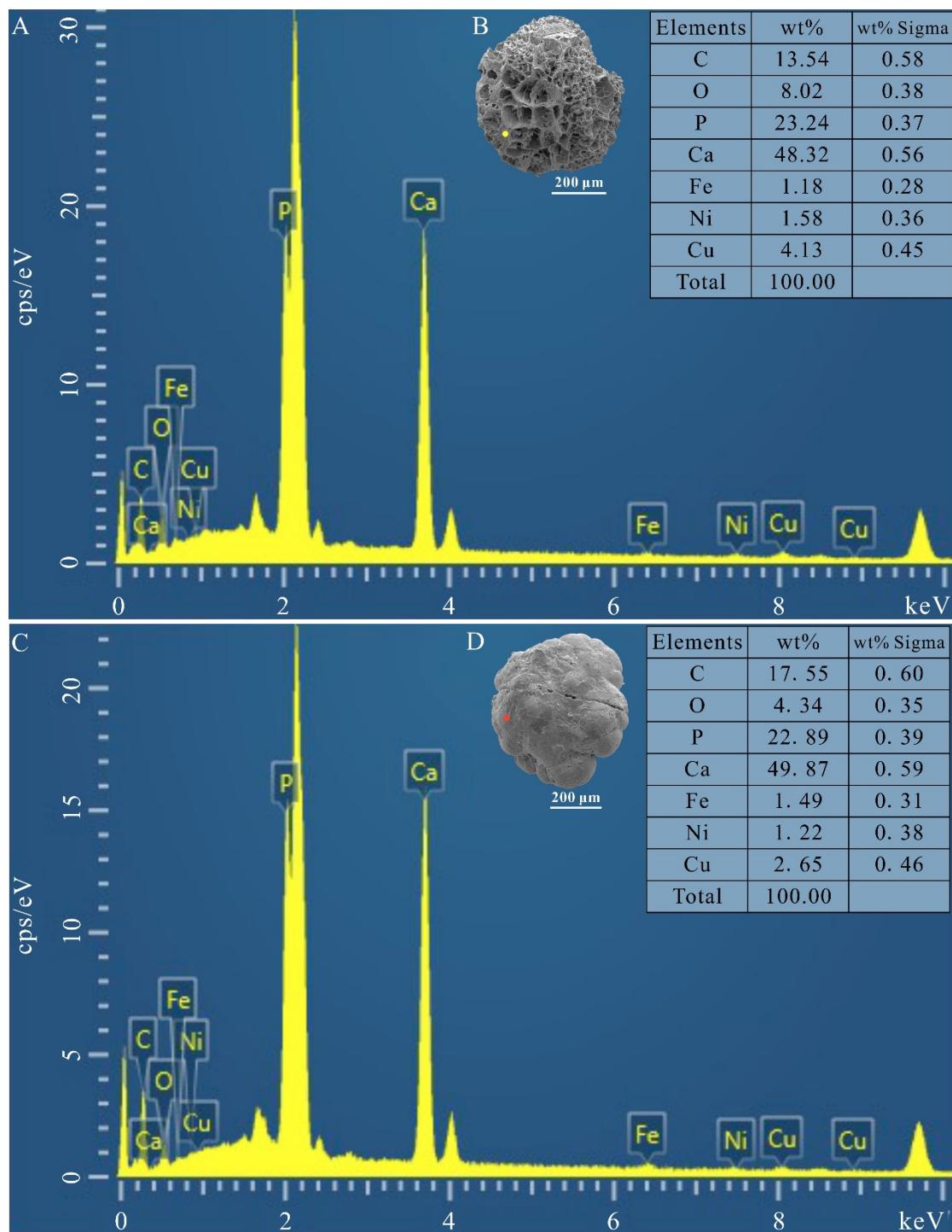


Fig. 2. Energy dispersive X-ray spectroscopy (EDS) spectrums of *Calathophycus irregularata* gen. et sp. nov. A. EDS spectrum of the yellow point in B; B. SEM image of specimen ELISN72-52. C. EDS spectrum of the red point in D. D. SEM image of specimen ELISN80-91. The spectrums shows that the specimens are enriched in calcium and phosphorus.

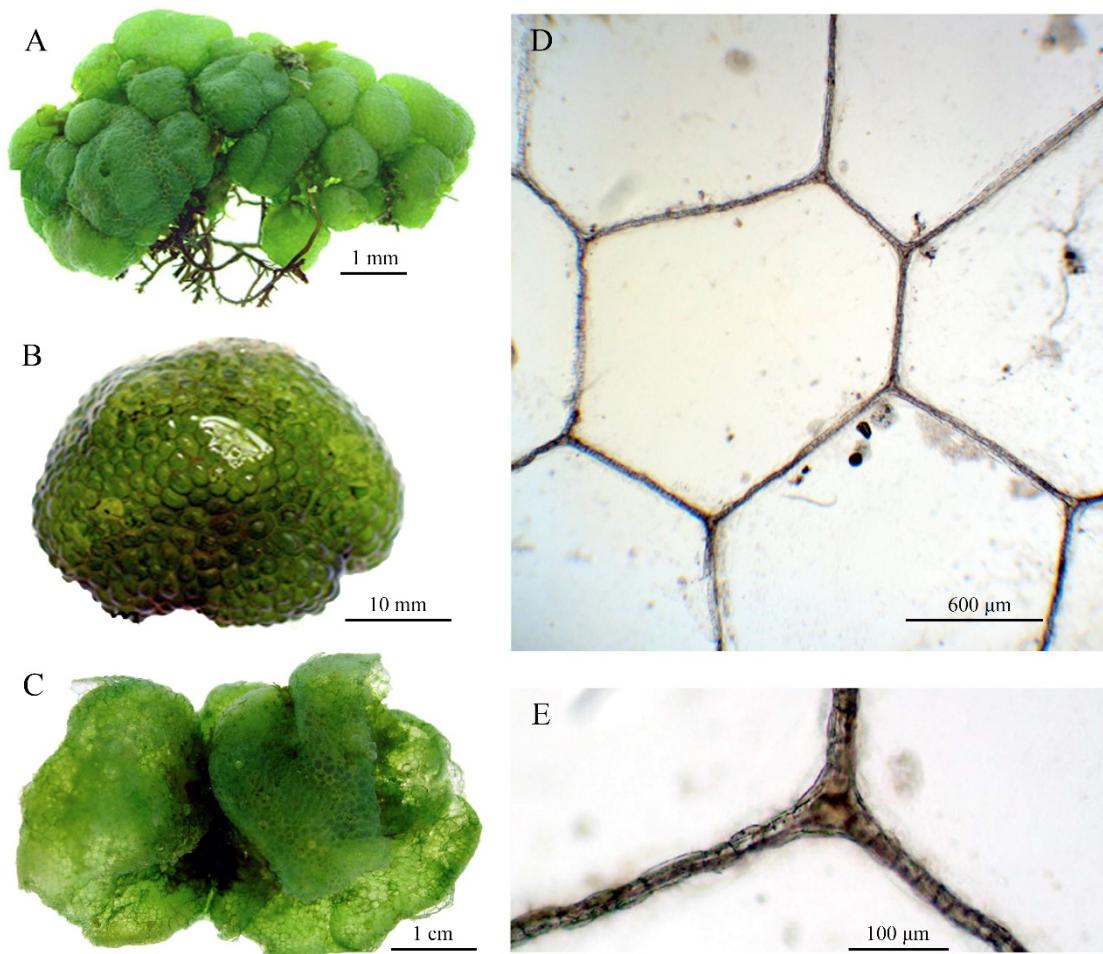


Fig. 3. External morphology and cell structures of modern species of *Dictyosphaeria*. A–B. External morphology of *Dictyosphaeria versluisii*. C–E. *Dictyosphaeria cavernosa*. C. External morphology. D. Polygonal cells. E. Cell wall contact zone. All pictures reproduced from Alves et al. (2012) with permissions.

Alves, A., Gestinari, L.M.S., and Moura, C. 2012. Flora da Bahia: Siphonocladaceae. *Sitientibus Série Ciencias Biologicas* 12: 167–177.