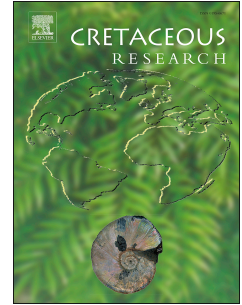


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Palynology of the Baqueró Group (upper Aptian), Patagonia Argentina: An integrated study

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1 **PALYNOLOGY OF THE BAQUERÓ GROUP (UPPER APTIAN), PATAGONIA**
2 **ARGENTINA: AN INTEGRATED STUDY**

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12 **ABSTRACT**

13 A palynological study on samples obtained from the Anfiteatro de Ticó and Punta del
14 Barco Formations (Baqueró Group, Macizo del Deseado Area, Santa Cruz Province) is
15 carried out. A total of 162 taxa are identified in this work, including the recognition of
16 59 not previously reported in the unit. Furthermore, 9 new species are proposed:
17 *Coptospora santacruzensis* sp. nov., *Crybelosporites corrugatus* sp. nov., *Cycadopites*
18 *grossus* sp. nov., *Cyclusphaera annularis* sp. nov., *Cyclusphaera punnulosa* sp. nov.,
19 *Densoisporites patagonicus* sp. nov., *Peromonolites globosum* sp. nov., *Retitriletes*
20 *ornatus* sp. nov. and *Taurocusporites inaequalis* sp. nov. Continental algae, recovered
21 from the Anfiteatro de Ticó Formation, are illustrated for the first time. Comparisons
22 with other Lower Cretaceous palynological zones from regions located at similar
23 paleolatitudes (e.g. Australia, India) and from the Potomac Group (USA) are carried
24 out. Finally, changes in the floral composition across the Baqueró deposits are analyzed
25 considering a context of progressive increase of volcanic activity that most certainly had
26 some effect in the dynamics of the floristic community.

27

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