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Palynological assemblage from the Deccan Volcanic Province, central India: Insights into early history of angiosperms and the terminal Cretaceous paleogeography of peninsular India

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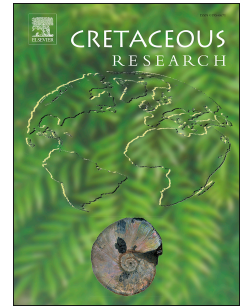
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1 **Palynological assemblage from the Deccan Volcanic Province, central India: Insights**  
2 **into early history of angiosperms and the terminal Cretaceous paleogeography of**  
3 **peninsular India**

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10 **Highlights**

- 11 • Palynological study on the Infratrappean sediments from Yeotmal, central India
- 12 • Presence of index palynomorphs of Maastrichtian age.
- 13 • Illustrates pre-KT predominant diversified tropical angiosperms and .  
14 Dipterocarpaceae pollen
- 15 • Suggest existence of shallow marine embayment in central India during Late  
16 Cretaceous.

17 **ABSTRACT**

18 Sedimentary deposits of the Deccan Volcanic Province (DVP), of central India are rich in  
19 fossil flora and fauna. Based on a new palynological study of Infratrappean deposits from a  
20 borehole succession located in the Ashtona village, Yeotmal District, Maharashtra (Wardha  
21 Basin), this paper attempts a reconstruction of the Late Cretaceous paleovegetation,  
22 paleoecology, depositional environment and paleogeography of central India prior to Deccan  
23 volcanism, and also seeks to evaluate the early history and timing of the angiosperm

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