

# A Pair of Gymnospermous Ovule from the Deccan Intertrappean Series of Chhindwara District, M.P., India

**Sharadkumar P. Patil**

Bhagwantrao Arts & Science College, Etapalli, Gadchiroli, Maharashtra, India  
patilsharadkumart@gmail.com

**Abstract:** This paper deals with the study of pair of gymnospermous ovule with ovuliferous scale from the Deccan Intertrappean beds of Mohgaonkalan, M.P., India which is of Uppermost Cretaceous to Lower Eocene age. The complete specimen measures 1.440 to 1.620 mm in length and 0.920 to 1.080 mm in breadth. It shows single, parenchymatous ovuliferous scale. On the upper surface of ovuliferous scale two orthotropous ovules are present. The integument is parenchymatous and undifferentiated. The micropylar canal 74-80  $\mu$ m long and 60-65  $\mu$ m broad. Nucellus is free from integuments. Sclerotic cells are absent. Vascular supplies are seen only in the chalazal region. The present ovule is compared with reported gymnospermous ovule and modern gymnospermous taxa. As the specimen is not comparable with any of the living genus and reported ovule, it is kept under a separate genus *Deccanoovulites kapgateensis* gen. et. sp. nov.

**Keywords:** Deccan, Intertrappean, fossil, cherts, gymnosperm, ovule

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