

1. Record Nr.	UNINA9910424638703321
Autore	Khosla Ashu
Titolo	Late Cretaceous dinosaur eggs and eggshells of peninsular India : oospecies diversity and taphonomical, palaeoenvironmental, biostratigraphical and palaeobiogeographical inferences // Ashu Khosla, Spencer G. Lucas
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
ISBN	3-030-56454-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XX, 280 p. 92 illus., 50 illus. in color.)
Collana	Topics in geobiology ; ; Volume 51
Disciplina	567.9
Soggetti	Dinosaurs - Evolution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1-Introduction -- Chapter 2-Historical perspective -- Chapter 3-Geology and stratigraphy -- Chapter 4-Indian late cretaceous dinosaur nesting sites -- Chapter 5-Discussion. Chapter -- 6-Summary and conclusions.
Sommario/riassunto	This book documents analyses of the Late Cretaceous dinosaur nesting sites of the Lameta Formation at Jabalpur, Districts Dhar and Jhabua, Madhya Pradesh; Districts Kheda and Panchmahal (Gujarat); and the Pisdura, Dongargaon and Pavna sectors in the Chandrapur Districts of Maharashtra, which are exposed in India along an east-west and central axis. In this work, special emphasis has been given to the dinosaur nesting sites of the east-central Narbada River region, including its regional geology. The work was undertaken to provide detailed information concerning dinosaur eggs, eggshell fragments, nests and clutches found in the Lameta Formation of peninsular India. Prior to the present work there had been no detailed review of systematic work on the taxonomy, and of micro- and ultrastructural studies of dinosaur eggs and eggshells from the Lameta Formation. The study documents the field and laboratory investigations that facilitated the reconstruction of the morphotaxonomy, models for the burial pattern of eggs and eggshells, taphonomic implications, and the palaeoenvironmental context and palaeoecological conditions during

the Late Cretaceous at the time of the extrusion of the Deccan traps, which may have been partly responsible for the extinction of the dinosaurs. The need to follow a parataxonomic classification for Indian dinosaur eggs and eggshell types is very apparent, and this book addresses this aspect in some detail. The emphasis on the application of parataxonomic schemes is based on the description of new oospecies and their comparison with previously known forms. The present work has led to the recovery of numerous nests, many collapsed eggs and hundreds of dinosaur eggshell fragments from the localities situated near the east, west and central Narbada River regions. It will be of interest to academics and professional palaeontologists, and all students of dinosaurs.

---