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SUPPLEMENTARY ONLINE MATERIAL FOR

Fossilized pollination droplet in a new seed genus from the Middle Triassic of Nidpur, India

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Supplementary Online Material

Table S1. Comparison of seed genera from the Middle Triassic of Nidpur, India.

S. No.	Name of seed	Shape & seed surface	Cuticular details	Micropylar tube	Pollen chamber	In situ pollen grains in micropyle and pollen chamber	Megaspore membrane
1.	<i>Rugaspermum</i> (Pant & Basu, 1977)	Broadly oval, wrinkled	Outer cuticle tough, stomatiferous or non-stomatiferous, papillate, cells elongate to polygonal thick walled	Short, erect	Simple depression	<i>Rugapites</i> -type	Tough, dark coloured, cellular outlines distinct
2.	<i>Savitrismum</i> (Manik, 1987)	Oval, smooth	Outer cuticle thin, cells rectangular, straight walled	Curved	Simple excavation	Winged grains	Tough, outline indistinct
3.	<i>Nidismum</i> (Manik, 1987)	Oval, smooth	Outer cuticle thick, tough, papillate, cells polygonal, straight walled	Short, erect	Distinct	-	"
4.	<i>Rotundasmum</i> (Manik, 1987)	Rounded, smooth	Outer cuticle thick, cells polygonal, straight walled	Shortly mucronate	Not well defined	-	"
5.	<i>Pantiaspermum</i> (Manik, 1987)	Broadly oval	Outer cuticle thick, robust, cells thickly papillate, cell outlines obscure	Indistinctly rounded	Not well defined	-	"
6.	<i>Pyriiformismum</i> (Manik, 1987)	Pyriiform, smooth	Outer cuticle thick, cells longitudinally elongated	Indistinct, short	Simple excavation	-	Less defined
7.	<i>Rostrumasmum</i> (Srivastava & Manik, 1990)	Ovate, tapering apically somewhat like a snout	Outer cuticle tough, cells irregularly pitted	Snout-like	Indistinct	-	Tough, cellular outlines obscure
8.	<i>Sahnismum</i> (Srivastava & Manik, 1993)	Oval	Outer cuticle thick, stomatiferous, cells polygonal, papillate, papillae overarching stomatal pit	Shortly protruding, appearing somewhat saucer shaped	Distinctly differentiated, more or less dome-like	<i>Weylandites</i> -complex	Tough, cells polygonal
9.	<i>Delevoryasmum</i> (Srivastava & Manik, 1993)	Oval, smooth	Outer cuticle thick, stomatiferous, cell outlines indistinct	Shortly protruding	Broadly triangular	-	Distinct, tough
10.	<i>Cupolasmum</i> (Srivastava & Manik, 1993)	Ovate, forming apically distinct cupola bearing ornate or sculptured edge, smooth	Outer cuticle thick, cells rectangularly elongated, straight walled	Shortly tubular	Massive, dome shaped	-	"
11.	<i>Urceolasmum</i> (Srivastava & Manik, 1993)	Pitcher shaped, smooth	Outer cuticle thin, cells polygonal, cell outline obscure	Short, neck-like	Crescent shaped	-	Massive, tough, dark brown
12.	<i>Tayloriasmum</i> (Srivastava & Manik, 1993)	Almond shaped, -	Outer cuticle thick, cells rectangularly elongated, sinuous walled	Short, tubular	Extremely reduced, appearing like a flattened apical bulge	-	Distinct, tough
13.	<i>Konasmum</i> (Srivastava & Manik, 1993)	Ovate, -	Outer cuticle thick, cells angular, thick walled	Sunken	Not well defined	-	"
14.	<i>Gopadismum</i> gen et sp. nov.	Rounded to broadly oblong, probably cupulated, smooth to finely papillate	Outer cuticle thin, delicate, cells polygonal, papillate, straight walled	Shortly mucronate	Dark coloured, collar-like	Small, saccate, frequently clumped, resembling <i>Densipollenites densu</i> of spora dispersae (Bharadwaj and Srivastava, 1969)	Tough, dark brown, cells large, polygonal filled with dark contents