

Table 1

Botanical group/ family	Palynotaxa	Extant genera	Present day distribution
Thallophyta			
Fungi	<i>Inapertisporites kedvesii</i> ; Elsik 1968 <i>Kutchiathyrites eccentricus</i> ; Kar 1979 <i>Phragmothyrites eocaenicus</i> ; Edwards emend. Kar and Saxena 1976		Warm, humid and tropical climate
Pteridophyta			
Cyatheaceae	<i>Cyathidites australis</i> <i>Cyathidites minor</i>	<i>Cyathea</i>	Tropical to subtropical; tree fern of thick tropical forest
Matoniaceae	<i>Biretisporites convexusus</i> <i>Dandotiaspora telonata</i> <i>Dandotiaspora dilata</i> <i>Dandotiaspora</i> sp.		Tropical to subtropical; tree fern of thick tropical forest
Lycopodiaceae	<i>Lycopodiumsporites eocenicus</i> <i>Lycopodiumsporites lakiensis</i> <i>Lycopodiumsporites sahi</i>	<i>Lycopodium</i>	Tropical, species are dominantly epiphytes in thick forest
Polypodiaceae	<i>Laevigatosporites cognatus</i> <i>Polypodiisporites repandus</i> <i>Monolites</i> sp.		Cosmopolitan
Osmundaceae	<i>Todisporites major</i> <i>Todisporites minor</i>		Cosmopolitan, terrestrial to subaquatic ferns
Hymenophyllaceae	<i>Biretisporites convexus</i>		
Dictyophyllaceae	<i>Dictyophyllides laevigatus</i>		cosmopolitan
Schizaeaceae	<i>Lygodiumsporites eocenicus</i> <i>Lygodiumsporites lakiensis</i>	<i>Lygodium</i>	Tropical-sub tropical; climbing fern

Angiospermae			
Monocotyledonae	<i>Acanthotricolpites bulbospinosus</i> <i>Acanthotricolpites kutchensis</i> <i>Acanthotricolpites brevispinosus</i>	<i>Nypa</i> -like pollen	Tropical to subtropical; back mangrove
Areaceae	<i>Acanthotricolpites bulbospinosus</i> <i>Acanthotricolpites robustus</i> <i>Acanthotricolpites tiruchirapalliensis</i> <i>Kapurdipollenites gemmatus</i> <i>Kapurdipollenites clavatus</i> <i>Spinizonocolpites adamanteus</i> <i>Spinizonocolpites baculatus</i> <i>Spinizonocolpites echinatus</i> <i>Spinizonocolpites bulbospinosus</i> <i>Spinizonocolpites kutchensis</i> <i>Spinizonocolpites prominatus</i> <i>Spinizonocolpites</i> sp. <i>Spinomonosulcites achinatus</i> <i>Spinomonosulcites brevispinosus</i> <i>Proxapertites cursus</i> <i>Proxapertites crassimurus</i> <i>Proxapertites emandatus</i> <i>Proxapertites microreticulatus</i>		
	<i>Longapertites retipilatus</i>	<i>Pinanga</i>	mostly tropical
	<i>Arengapollenites achinatus</i>	<i>Arenga</i>	lowland evergreen palms
	<i>Palmaepollenites kutchensis</i> <i>Palmaepollenites nadhamunii</i> <i>Palmaepollenites ovatus</i>	<i>Lepidorrhachis</i>	Dense evergreen forest of medium altitude
	<i>Retipollenites confusus</i> <i>Retipollenites borassodendrii</i> <i>Retipollenites echinulatus</i>	<i>Borassodendron</i>	Lowland evergreen palms
	<i>Lakiapollis Ovatus</i>	<i>Durio</i>	wet evergreen vegetation
Dicotyledonae			
Bombacaceae			
	<i>Dipterocarpuspollenites retipilatus</i> <i>Albertipollenites</i> sp. <i>Albertipollenites crassireticulatus</i>	<i>Dipterocarpus</i>	Tropical-subtropical, swampy evergreen forest
Dipterocarpaceae			

	<i>Albertipollenites kutchensis</i>		Moist tropical forest
Pedaliaceae	<i>Retistephanocolpites flavatus</i> <i>Retistephanocolpites granulatus</i> <i>Retistephanocolpites kutchensis</i>	<i>pedalium</i>	Tropical-subtropical
Unidentified	<i>Tribrevicolporites eocenicus</i> ; Kar 1985 <i>Foveotricolpites</i> sp. <i>Barringtoniapollenites retibaculatus</i>		
Euphorbiaceae	<i>Incrotonipollis neyvelii</i>	<i>Jatropha cursus</i>	Tropics to subtropics
Convolvulaceae	<i>Perfotricolpites rajpardiensis</i>	<i>Merremia</i>	Warm tropics climber
Caesalpiniaceae	<i>Margocolporites</i> spp.	<i>Caesalpinia</i>	Tropics to subtropics Mostly woody climbers in thick forests
Alangiaceae	<i>Pellicieroipollis langenheimii</i>	<i>Alangium</i>	Tropics to subtropics Mostly woody trees
Sapotaceae	<i>Iugopollis tetraporites</i>		Tropics; members of evergreen vegetation
Ctenolophonaceae	<i>Ctenolophonidites costatus</i>	<i>Ctenolophon englerianus</i>	Tropical Africa
