

LIST OF TABLES

Table No.	Title	Page No.
Table 1.1	Technique followed for palynomorph separation (Traverse, 1974; Green, 2001).	13
Table 2.1	Lithostratigraphy of the Saurashtra Peninsula (after Bhatt 2000, Racey 2016).	18
Table 4.1	Formal lithostratigraphic units of the Saurashtra Peninsula (Patel and Shah, 2023). Note: Two different types of sequence are divided into two separate lithostratigraphic units owing to their distinctness in the nature of the sediments.	54
Table 5.1	Clastic and carbonate lithofacies of the Ninama Basin.	70
Table 5.2	Lithofacies and their characteristic features of the Chotila Basin.	81
Table 5.3	Major oxides, minor and trace element concentration in various lithofacies of Ninama Basin. (NS/NL/1-3 GBL facies, NS/NL/4-9 CL and ML facies, NS/SF/10-17 SH facies, NS/SF/18 SM facies, NS/SF/19-21 LGW facies).	99
Table 5.4	Major oxides, minor and trace element concentration in Clay Shale facies, Bamanbor Formation.	107
Table 5.5	Major oxides, minor and trace element concentration in Silty shale and fossiliferous shaly sandstone facies, Bamanbor Formation.	109
Table 5.6	Major oxides, minor and trace element concentration in massive chert and laminated chert facies, Chotila Chert.	111
Table 5.7	Major oxides, minor and trace element concentration in mudstone facies, Chotila Chert.	113
Table 5.8	Major oxides, minor and trace element concentration in Clay Shale facies, Rangpar Formation.	115

Table 8.1	Generalised list of palynofossil groups observed from Ninama Intertrappeans. Note: They contain abundant Pteridophytes spore and pollen taxa, and fungal spores.	181
Table 8.2	Generalised list of palynofossil groups observed from Chotila Intertrappeans. Note: They contain abundant Pteridophytes spore and pollen taxa, and fungal spores.	183
Table 9.1	Affinity, habitat and environmental distribution of the pollen grains of the Ninama and Chotila basins.	197
Table 9.2	Palynotaxa of the Ninama and Chotila basins shows their affinity with the other parts of Gujarat i.e., Cambay Basin, Bhavnagar Surkha Mine, and Kachchh Lignite deposits in the equivalent time durations. Note: Fungal spores are incomparable due to the unavailability of their systematics in the Cambay and Kachchh basins.	199