

Pollen analysis and paleoclimatical changes in Kathmandu valley sediments

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To reveal paleoclimatical, paleotopographical and tectonic changes in Kathmandu valley, pollen analysis was performed on a drilling core (284.3m in depth) obtained from Kathmandu valley.

The drilling core is composed of the lower bed which contains mainly of sand beds and the upper bed which contains mainly of mud beds.

The drilling core is divided into two pollen fossil zones. In the upper pollen fossil zone which is above about 120m in depth of the drilling core, climate changes repeatedly. In the lower pollen fossil zone which is below about 120m in depth of the drilling core, climate is approximately stable.