

## PREFACE

There are extensive historical perceptions behind the growth of the North Bengal alluvial plains at the Himalayan margin since the Pleistocene period. Consequently, the physiographic arrangements of the fan areas were restructured and are also being modified due to climatic variations in collaboration with the post-periglacial processes.

Hence, considering that complex interaction of different processes is mainly responsible behind the formation of alluvial fans, the present researcher seeks to understand their thorough modes of action liable for the evolution, expansion and modification of the coalescence of fans and fan segments as well as the interrelationship between the pedo-geomorphic character of the fans and landuse of the study area. To meet the demands of the objectives intensive field study with data analysis has been done and suitability analysis with specific perspective finally revealed the significance of this study.

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