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Balai Chandra Das · Sandipan Ghosh  
Aznarul Islam  
Editors

# Quaternary Geomorphology in India

Case Studies from the Lower  
Ganga Basin

 Springer

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ISSN 2366-8865                      ISSN 2366-8873 (electronic)  
Geography of the Physical Environment  
ISBN 978-3-319-90426-9              ISBN 978-3-319-90427-6 (eBook)  
<https://doi.org/10.1007/978-3-319-90427-6>

Library of Congress Control Number: 2018939144

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Cover image by Sonja Weber, München

Printed on acid-free paper

This Springer imprint is published by the registered company Springer International Publishing AG part of Springer Nature  
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

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## Preface

Welcome to '*Quaternary Geomorphology in India—Case Studies from the Lower Ganga Basin*'. This book presents a novel collection of field-based empirical studies on the quaternary geomorphology of the Lower Ganga basin. A wide range of topics in relation to the region is covered in this volume.

The journey of the volume started with the invitation before the geomorphologists all over India to contribute to 'Quaternary Geomorphology in India' in August 2015. We received huge response from authors. Hence, we are very much thankful to authors who contributed to this volume. Their thoughtful contributions made this volume possible. We are equally thankful to those compadre authors also, whose works are not appeared as chapters in this book but who made us blessed with number of articles rich in noesis. We express our deep gratitude towards our teachers, students and colleagues and family members. Lastly, we acknowledge our indebt to Springer International Publishing especially to Dr. Michael Leuchner the responsible editor of 'Geography of the Physical Environment' for association with us and providing their prestigious pages for manuscripts of our competent authors.

West Bengal, India  
May 2018

Balai Chandra Das  
Sandipan Ghosh  
Aznarul Islam

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## Editors and Contributors

### About the Editors



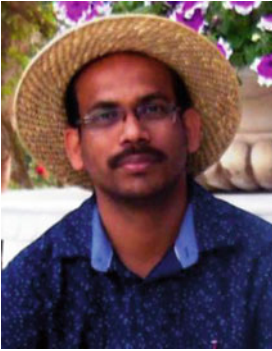
**Balai Chandra Das** holds a post-graduate degree in Geography from the University of Burdwan and a Ph.D. in Geography from the University of Calcutta, and has published more than 30 research articles in recognized international journals. He has served as an editorial board member for two international journals and as a reviewer for five more. He is the main editor of the book ‘Neo-Thinking on Ganges–Brahmaputra Basin Geomorphology’, Springer International Publishing, Switzerland. His current research focus is on fundamental geomorphology, in particular on rivers and lakes.



**Sandipan Ghosh** is an Applied Geographer with post-graduate and M.Phil. degrees in Geography from the University of Burdwan. He has published more than 40 international and national research papers in various geography and geoscience journals. He has authored a book entitled ‘Flood Hydrology and Risk Assessment: Flood Study in a Dam-Controlled River of India’ and edited a book entitled ‘Neo-Thinking on Ganges–Brahmaputra Basin Geomorphology’. He is one of the editors of the Asian Journal of Spatial Science and has served as a reviewer for various international geoscience journals. He is a lifetime member of the International Association of Hydrological Sciences (IAHS), the Eastern Geographical Society (EGS) and the Indian Geographical Foundation (IGF). His principal research fields include various dimensions of fluvial geomorphology, flood geomorphology, Quaternary geology and laterite studies. Currently, he is working on the gully geomorphology and soil loss estimation on the lateritic



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**Dr. Aznarul Islam** is an Applied Fluvial Geomorphologist with M.Sc. degree in Geography from Kalyani University, West Bengal and an M.Phil and Ph.D. in Geography from the University of Burdwan, West Bengal. He is currently an Assistant Professor at the Department of Geography, Aliah University, Kolkata. Previously, he was engaged in the West Bengal Education Service (WBES) in the Department of Geography, Barasat Govt. College, West Bengal. He has published more than 20 research papers in various national and international journals, edited volumes and conference proceedings. He co-edited the book 'Neo-Thinking on Ganges–Brahmaputra Basin Geomorphology', Springer International Publishing, Switzerland and has served as a reviewer for several geography and geoscience journals. Currently, he is editorial board member of several international and national journals. He is a life member of the Foundation of Practising Geographers (FPG), Kolkata, and National Association of Geographers, India (NAGI), New Delhi. He has served as an Assistant Convenor of the annual seminar of the Foundation of Practising Geographers since 2016. In addition, he is Project Director of the Indian Council of Social Science Research (ICSSR)-sponsored major research project 'Assessment of Socio-Economic Vulnerability of Flood Victims and Preparation of Community-Based Disaster Management Plan Using Social Engineering: A Study of Murshidabad District, West Bengal'. His principal areas of research include channel shifting, river bank erosion, floods and river decaying of the Ganga–Brahmaputra delta.

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