

1. Record Nr.	UNINA9910672440503321
Titolo	Floods in the Ganga-Brahmaputra-Meghna Delta // Aznarul Islam [and six others] editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2023] ©2023
ISBN	3-031-21086-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (570 pages)
Collana	Springer geography
Disciplina	333.75
Soggetti	Floodplain management Floods Floods - Bangladesh
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1-Ganga-Brahmaputra-Megna Delta in context -- 2-Emerging floods in the wake of the delta subsidence and sea level rise -- 3-Sediment Regime, Hydro-climatology of the Floods and Sea-level Movements in the Bengal Basin -- 4-Human activities and flood propensity -- 5- Predicting river flood hazard with sparse data: prospects and challenges for the Global South -- 6-Flood and Floodplain Management in the Bengal Basin: The Context of Sustainable Livelihood in the Flood Affected Areas -- 7-Flash flood in Indian part of GBM delta -- 8-Flash flood of Bangladesh part of GBM Delta -- 9-Floods of Teesta River -- 10-Floods of Torsa River -- 11-Floods of Jaldhaka River -- 12-Lis-Murti-Chel Rivers -- 13-Floods of Dharla and Dudhkumor Rivers -- 14-Floods of Mahananda-Balason Rivers -- 15-Floods of Atrai River -- 16-Floods of Purnabhaha River -- 17-Floods of Ganga River -- 18-Floods of the Padma River -- 19-Floods of Brahmaputra River -- 20-Floods of Old Brahmaputra River -- 21-Floods of Bhagirathi River -- 22-Floods of Jamuna River -- 23-Floods of Buriganga and Sitalakha Rivers -- 24-Floods of Surma and Kusiara Rivers -- 25-Floods of Mayurakshi River -- 26-Floods of Ajay River -- 27-Floods of Jalangi and Churni-Mathabhanga River -- 28-Floods of Damodar River system -- 29-Floods of Khari-Behula-Ghea Rivers -- 30-Floods of Dwarakeswar River -- 31-Floods of Shilabati River -- 32-Floods of

Kansabati River -- 33-Floods of Keleghai and Rasulpur Rivers -- 34-Floods of Subarnarekha River -- 35-Floods of Ichhamati River -- 36-Floods of Hugli River -- 37-Floods of Meghna River -- 38-Floods of Garai-Madhumati and Arial Khan Rivers -- 39-Floods of Digha-Kanthi Coastal plains -- 40-Floods of Indian Sundarbans (north) -- 41-Floods of Indian Sundarbans (south) -- 42-Floods in Bangladesh Sundarbans -- 43-Tide and Storm Surge induced Floods in the Coastal Belt of Bangladesh.

Sommario/riassunto

This volume covers the floods of the major rivers of the Ganga-Brahmaputra-Meghna (GBM) Delta, and storm surge related coastal floods in these regions. The book is dedicated to addressing floods from an integrated physical-social perspective to provide students and researchers with a holistic understanding of floods in terms of both human and geomorphological aspects. The systematic coverage of all the major rivers and coastal areas in the GBM delta and surrounding regions will foster a clear comprehension of this dense reservoir of population, where thousands of people are impacted every year due to flood hazards and agricultural destabilization. This comprehensive treatment of flood issues in the region covers flash floods, fluvial floods, fluvio-tidal floods, and coastal floods, and outlines flood management strategies to maintain ecological integrity and environmental stability, and prevent harmful impacts of future floods. The book is intended for students and researchers in earth and environmental sciences, especially geomorphology, hydrology, geography, geology, natural resources management, and regional planning.
