A building engulfed by the Padma River in Bangladesh. Screenshot from YouTube Video by user TechTV BD.

Civil and Environmental Engineering Ph.D. Student Md. Nowfel Mahmud Bhuyian's Work on the Padma River Erosion Receives Attention from Online Media Outlet

An article on a riverbank erosion disaster in Bangladesh, posted by online news outlet Global Voices, featured a quote from TTU Water Center and civil and environmental engineering Ph.D. student Md. Nowfel Mahmud Bhuyian. The article, posted Sept. 19, describes how thousands are left homeless as the "mighty Padma River in Bangladesh experiences unprecedented levels of soil erosion" while suffering from "increased water flows after extended periods of heavy monsoon rains in the upstream areas." The article quotes soil erosion information that Bhuyian, advised by Associate Professor Alfred Kalyanapu, posts on his Internet site, saying "the Padma River has eroded approximately 0.4 sq km near Naria Upzilla (Shariatpur) in [the] last few weeks. A quick analysis using satellite images shows at least three mosques, one health complex, one school, and one bank have been partially or totally engulfed by the Padma River. In the meantime, approximately 1.5 km of road and hundreds of houses and commercial infrastructure were lost although 2018 has not yet been a flood year in that area." Bhuyian's research uses geologic modeling techniques to assess flood risk. Read the entire article at https://globalvoices.org/2018/09/19/riverbank-erosion-disaster-in-bangladesh-leaves-thousands-homeless/.