O19. EVOLUTION OF SANDY BEACH IN THE CITY OF VARNA

Veliko Zelev Dachev¹

¹Institute of Oceanology, BAS, Bulgaria
velikodachev@abv.bg

The article represents a retrospective review of long time research of genesis and development of the Central beach in the City of Varna which makes possible a forecast of its further development. Both natural and anthropogenic impact on the beach evolution is taken into consideration. It is ascertained that construction of coastal protection structures at the northern part of the beach in 80’s resulted in cessation of natural beach area growth. The strengthen of a breakwater in the main port and illegal building also contributed to considerable coast recession and beach volume reducing. Because of this a recreational potential of the Central beach is gradually decreasing. New method named “cross-shore sediment bypassing” is suggested to reduce the negative trend.