

# Fragile Bangladesh Coast Required Mitigation



**Dr. Mohammad Zafar**

**Professor**

**Institute of Marine Sciences and Fisheries**

**University of Chittagong**

**Chittagong-4331, Bangladesh**

**Email: zafarims @yahoo.com**

**Website: www.imscu.ac.bd**

# Coastal Belt

- The Bangladesh basin is one of the largest geosynclines in the world
- The entire coast is about 710 km. long.

# Coastal Geomorphology

- The Bay of Bengal in Bangladesh portion is related with a numbers of rivers
- Low coastal land and bottom topography exist in Bangladesh

# Process Acting in Bangladesh Coast

- **Sediment erosion and Accretion**
- **Afforestation and Deforestation**
- **Siltation**
- **Large no. of fresh water discharge during monsoon**
- **Continental shelf interacting with open Ocean (C.S.A. 64,440 Km<sup>2</sup>)**
- **High tidal and wind action influencing the largest compact Mangrove ecosystem**
- **Expansion of Aquaculture Industry**

# Coastal Environmental Issues

- Increased salinity during dry season
- High frequency cyclone disaster
- Erosion of char- land and offshore Islands
- Changes in sea level
- Flood severity
- Decline the fishery resources
- Green belt development for coastal protection

# Problems in Coastal Environmental

- **Over cutting of mangrove for shrimp culture**
- **Tourism activities in the beach area**
- **Pollution load from industrial and shipping activities**
- **Natural disaster (Cyclone , Flood, Earth quake, drought, sedimentation , erosion)**

# Requirements

- Proper implementation of environmental policies, law and regulation.
- Conservation of vulnerable aquatic species
- Development of eco-friendly industries in the coastal zone
- Tourism activities in selected area
- Coastal zoning and resources management
- Socioeconomic development of coastal peoples.
- National Oceanographic Research Institute should be developed.
- Awareness creation among coastal community

Thank You