



The Palestinian Excellence Center for Marine Sciences and Coastal Management PEC-MAS had established in 2014 at Islamic University of Gaza- IUG and approved by Palestinian Ministry of Higher Education. PEC-MAS will contribute towards sustainable development of marine and coastal resources. PEC-MAS will contribute also in strengthening of national and international cooperation. The center activities will offers an example of an active collaboration between Palestinian and international institutions.

**Vision:** The center aspires to reach by the scientific research in the marine science and costal development to highest levels locally, regionally and globally.



*Palestinian Excellence  
Center for Marine Sciences  
and Coastal Management  
PEC-MAS*

*Hosted by  
Islamic University of Gaza-  
IUG*

The coastal area of Palestine on the Mediterranean area are the only major source of recreation and has **Social Welfare Potential** for around 2 million inhabitants of Gaza's people. Its potential use connected with improvement of public transportation, public service and safety of beach and water quality.

**Mission:** The advancement of scientific research to increase knowledge of coastal and marine issues, improve the local community awareness, preserve the marine environment and develop fishing sector.



## Contact Us

PEC-MAS

Islamic University of Gaza

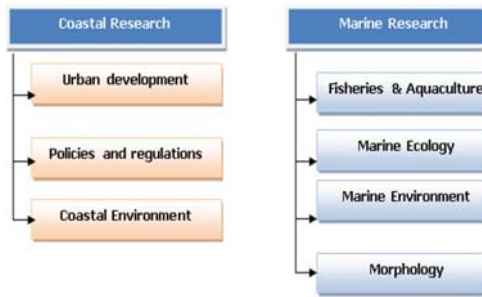
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### Research areas and interests

The potential research areas and interventions that can be made to address the defined themes should be based on an integrated approach. These interventions can be cross-sectorial and may relate to structural measures as well as non-structural measures.

#### 1- Coastal Research Issues

- Urban Development and Planning for the coastal area.
- Policies and Regulations
- Coastal Environment

#### 2- Marine Research Issues

- Fisheries and aquaculture
- Marine Ecology
- Marine Environment
- Sea Morphology

It is proposed that Palestinian Excellence Center for Marine Sciences and Coastal Management (PEC-MAS) sign an agreement in the form of memorandum of understanding with Port Authority, Environment Quality Authority and Ministry of Agriculture which is designed to coordinate the activities of the PNA toward integrated and cooperative management of the marine and coastal issues. The following table summarized the main activities in the three years operation phase.



PEC-MAS is looking for cooperation with international centers in the fields of coastal and Marine environment research.



### Challenges of Palestinian Marine and Coastal Ecosystem

There are different types of the pressures on the marine ecosystem of Gaza strip, which have serious impacts on marine life. The following points summarizes the pressures and the associated impacts of the marine ecosystem:

- Overfishing lead to deterioration of fish population and non-sustainable fish population growth
- Discharge of untreated or partially treated sewage to the seawater Solid waste dumping in the coastal area.
- Illegal methods for fishing and using pesticide in fishing
- Seasonal flooding of Wadi Gaza discharge large quantities of pollutants which effects marine water and destruction of marine habitat