Stock assessment of Pleuronectiformes in the Oman Sea (Coastal waters of Sistan-O-Baluchistan Province)

Hamidreza Jamalzadeh[1*]
Mohamad Taghi Azhir[2]
Ana Mansoor Kiani[3]

1, 3. Department of Biology, Tonekabon Branch, Islamic Azad University, Tonekabon, Iran
2. Coldwater Fishes Research Center, Tonekabon, Iran

***Corresponding author:**
hamidreza_jamalzadeh@yahoo.com

Received date: 2015/07/25
Reception date: 2015/10/15

Abstract
pleuronectiformes is one of the most important fishes in the Persian Gulf and Oman sea. It has been studied in the project of "stock assessment of demersal resources by swept-area method. A research cruise were conducted by R/V Ferdows-1 in the Oman Sea (Coastal waters of Sistan-O-Baluchistan Province) by swept area method in 2013. The area chosen for the study was from Meidani (58° 55' E) to Gwatre Bay (61° 30' E) having depths of 10 to 100m.The studied area was divided into 5 subregions (A,B,C,D&E). Each region was divided into 4-depth stratum: 10-20, 20-30, 30-50, and 50-100 meters. After hauling the samples were identified, weighted and also some biological measurements were done. The flat fish biomass and catch per unit area (CPUA) to separate the 5 regions (the study area) in the region B Maximum value of 15.2 tons and the region E minimum value of 9/0 tons respectively. The maximum biomass for the stratum of 10-20 m and 22.9 tons and while the minimum was found in the depth of 30-50 of 0.2 tons respectively. Significant deference about mutual effect and stratum-depth was seen among studied pleuronectiformes.

Keywords: CPUA, Pleuronectiformes, Sistan-O-Baluchistan, Oman Sea, Distribution.