

عنوان مقاله:

Seasonal variations in primary productivity and biomass of phytoplankton in the waters of the southern part of the general estuary / Dhi Qar/Iraq

محل انتشار: مجله علوم زیستی خاورمیانه, دوره 20, شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 8

نویسندگان: Huda Natiq Faris - Department of biology, College of Sciences, University of Thi Qar, Iraq

Shaimaa Talib Abedali - Department of biology, College of Education For Grils, University of Thi Qar, Iraq Shaimaa.tailb@utq.edu.iq

Murooj Abbas Buhlool AL-Ghizzi - Academy of Biology and Biotechnology, Southern Federal University, Rostov-on-Don, Russia

خلاصه مقاله:

The Current study estimated the primary productivity and identified the biological characteristics associated with it by measuring chlorophyll-a and phytovitin-a in the southern part of the general estuary in Dhi Qar Province, Iraq on a seasonal basis for the period from autumn $Y \cdot Y \cdot$ to summer $Y \cdot Y \cdot$. three stations were selected: The first station (St. 1) was located beside the Al-Hollandi bridge, the second (St. 7) was $Y \cdot$ km far from the south of St. 1, adjacent to the siphon pump, and the third (St. 7) was $Y \cdot$ km from the south of St. 7, close to the sub-channel that feeds the marshes. The biological characteristics indices showed an obvious variation in the different stations and seasons. The productivity values in the general estuary, south of Nasiriyah City ranged between $Y \wedge Y + i = Y - i = Y + i = 1$. These values showed two peaks during the fall and spring. The chlorophyll-a and phytovitin-a concentrations ranged between $Y - F \cdot Y + \mu g L - i$ and $f - F - Y \cdot Y + \mu g L - i$, respectively. The highest concentration of phaeophylin-a ($Y \cdot Y + m g L - i$) during autumn at St. 1, while the highest concentration of phaeophylin-a ($f \cdot F + m g L - i$) was marked by the highest concentration of chlorophyll-a ($f \cdot F + m g L - i$) was marked by the highest concentration of chlorophyll-a ($f \cdot F + m g L - i$) was marked by the highest concentration of chlorophyll-a ($f \cdot F + m g L - i$) was marked by the highest concentration of chlorophyll a, while the winter and summer by the highest phaeophytin

كلمات كليدى:

Primary productivity, Biomass, Chlorophyll -a, Phaeophytin - a, General estuary

لینک ثابت مقاله در پایگاه سیویلیکا:



