

عنوان مقاله:

Measurement of the lead in edible tissues of *Litopenaeus vannamei* shrimp in Bushehr farms using atomic absorption

محل انتشار:

هشتمین همایش بین المللی پژوهش های کاربردی در علوم کشاورزی، منابع طبیعی و محیط زیست (سال: 1402)

تعداد صفحات اصل مقاله: 11

نویسندگان:

Reza Sadeghi Limanjoob - Azad University, Kazeroun Branch, Faculty of Veterinary medicine, Department of aquatic animals health & disease

Maryam Sharifi - Azad University, Kazeroun Branch, Faculty of Veterinary medicine, Department of aquatic animals health & disease

خلاصه مقاله:

In recent decades, Developments in industrial and agricultural sectors and the promotion of human life have made the use of heavy metals unavoidable in different fields. Organic and inorganic pollutants, such as heavy metals, after entering the ecosystem accumulate in the body of aquatic organisms and through biological cycles are transported to higher food levels and eventually to humans. Heavy metals are particularly important because of the toxic effects and bioavailability of various aquatic species and entering into food chains. The presence of heavy metals in the environment, more than the defined standards, causes environmental problems for the habitants of the place and the ecosystem. In this study, for determination of the amount of lead accumulation in the oral tissues of the vannamei shrimp of the family Penaeidae in the cultivated fields of Bushehr, 70 shrimp samples were collected during four stages of hunting in the months of July, August, September and October, for two consecutive years. The measurement of lead was done using atomic absorption device. The results showed that the concentration of lead in the edible tissue of these shrimps was between 0 and 1.55 mg / kg wet weight while the standard concentration for lead is 0.5 mg / kg wet weight. Generally, the concentration of lead in the edible tissues of the sampled shrimps was much higher than the WHO standard concentration.

کلمات کلیدی:

Vannamei shrimp, heavy metals, lead

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1996490>

