

Effects of PAHs on Blood Thyroidal Hormones of *Liza klunzingeri* in the Northern Part of Hormuz Strait (Persian Gulf)

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Abstract : This study was conducted to determine the effects of polycyclic aromatic hydrocarbons (PAHs) on thyroidal hormones of *Liza klunzingeri* and to monitor marine pollution from northern part of Hormuz strait (Persian Gulf). Results showed the highest total PAHs levels (268.56 µg/kg) were in the fish samples and the lowest are obtained from water samples (3.12 µg/kg). Also, highest of PAHs levels in fish, sediment and water were found in St3. There was a positive correlation between T3 and T4, with PAHs results. T4 had a significant positive correlation ($P < 0.05$).

Keywords : PAHs, thyroidal hormones, *Liza klunzingeri*, Hormuz Strait, Persian Gulf

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