Density of *Streblospio gynobranchiata* (polychaeta) in the sediments of south Caspian Sea coasts (Mazandaran province)

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Abstract
The distribution of *Streblospio gynobranchiata* was studied. Sediment samples were collected with grab 0/1m^2 in spring, summer, fall and winter 2012 from 12 stations (ranging from 5, 10, 20 and 50 meters in depth) in the southern Caspian Sea from Behshahr to Ramsar (Mazandaran-Iran) coasts. Results indicated that the highest density was observed in summer in depth of 10 m (64.24 ind /0.1m^2). Maximum and minimum of density was measured respectively in summer (27.22 ind /0.1m^2) and winter (16.99 ind /0.1m^2). A significant correlation was not observed between this species with total organic matter and silt and clay (P>0.05). For comparing the different seasons the One Way Anova was used. The results indicated no significant differences among seasons (P>0.05).

Keywords: Polychatea, *Streblospio gynobranchiata*, Caspian Sea, Mazandaran.