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Responses To Hypoxia Of The Larval Greasyback Shrimp

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Indoor experiments were carried out to clarify the response to hypoxia of the larvae of greasyback shrimp and the juveniles of turban shell using oxygen and salinity gradient glass columns. Greasyback shrimp showed avoidance to hypoxia at 2.1-2.6 mgO2/L for mysis-stage larvae, 2.4-2.7 mgO2/L for early post-larval stage (P4), 1.2-1.7 mgO2/L for late post-larval stage (P15). This suggests that greasyback shrimp increases their tolerance to hypoxia in accompanied with growth from mysis-stage to post-larval stage when they change from planktonic life style to benthic one.