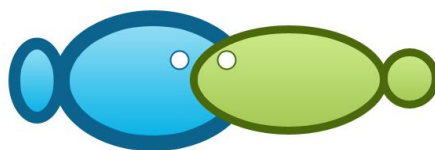


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- Nita V., Diaconescu S., Zaharia T., Maximov V., Nicolae C., Micu D., 2011 The characterization of the main habitat types populated by the Black Sea Turbot in its different stages of development. *AACL Bioflux* **4(5)**:552-570.
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- Muchlisin Z. A., Fadli N., Rudi E., Mendo T., Siti-Azizah M. N., 2011 Estimation of production trend of the depik, *Rasbora tawarensis* (Teleostei, Cyprinidae), in Lake Laut Tawar, Indonesia. *AACL Bioflux* **4(5)**:590-597.
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- Moumita D., Hussain M. A., Alam M. M., Mazlan A. G., Simon K. D., 2011 Impact of Sariakandi fish pass on fisheries diversity of Bangali river, Bogra, Bangladesh. *AACL Bioflux* **4(5)**:621-626.
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- Carton R. J., Caipang C. M., Notoya M., Fujita D., 2011 Physiological responses of two seaweed biofilter candidates, *Gracilariopsis balliniae* Zhang et Xia and *Hydropuntia edulis* (S Gmelin), to nutrient source and environmental factors. *AACL Bioflux* **4(5)**:635-643.
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- Fadhil R., Endan J., Taip F. S., Bin Hj. Ja'afar M. S., 2011 Biological performance of Asian catfish (*Clarias batrachus*) (Teleostei, Clariidae) cultured in recirculating aquaculture system. *AACL Bioflux* **4(5)**:684-690.
- Al-Qutob M. A., Al-Hirsch I., Nashashibi T. S., 2011 The effects of COX2-inhibitors (etoricoxib and etodolac) on growth rate and mortality in Nile tilapia (*Oreochromis niloticus*). *AACL Bioflux* **4(5)**:691-703.
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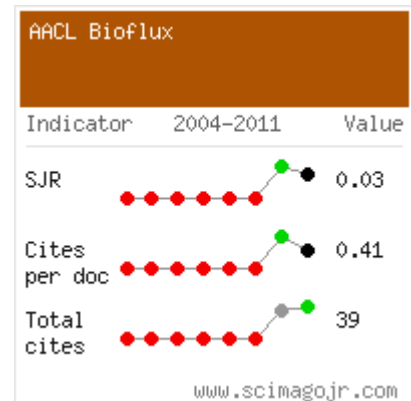
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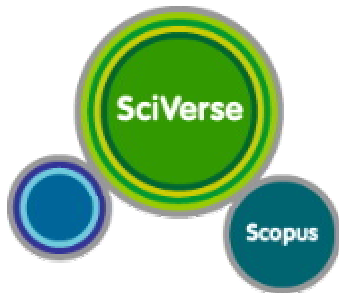
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