

# 魚類心理学序論

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## Abstract

Fish Psychology is a research field that deals with the behavior and ecology of fishes through an approach of experimental psychology. "How do fish maintain a school?" "How smart can fish be?" Research is often based on questions that arise from direct observation during diving census. Rearing experiments are then related to the function and mechanism of behavior with emphasis on their ontogeny. We aim to apply the achievement of fish psychology to human psychology as well as sustainable fishery management. In this review I presented the results of bi-monthly diving census conducted for three consecutive years, as well as that conducted in dawn, noon, dusk, and midnight. Then more experimental studies on the development of schooling behavior in Carangid fishes are introduced. Ontogenetic changes of learning capability in fishes are also demonstrated.