

## Evolutionary events in the Mesozoic and Paleozoic oceans on the radiation of teleosts

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It would be beneficial to both geoscience and bioscience to investigate the relationships between biological evolution and earth surface evolution. We estimated the divergence times among teleosts by molecular phylogenetic methods and found the possibility that the corresponding divergence times based on fossil records are considerably underestimated. We will discuss the possible differences between what can be derived from molecular and fossil data with respect to the divergence dates among taxa.