

## Nd abundance and isotopic variations of surface seawaters from the eastern Indian Ocean and its adjacent oceanic regions

# Hiroshi Amakawa [1], Dia Sotto Alibo [1], Yoshiyuki Nozaki [1]

[1] ORI, Univ. of Tokyo

We report Nd abundance and isotopic ratio of surface seawaters from the eastern Indian Ocean and its adjacent oceanic regions and discuss factors controlling such distributions.

The most interesting feature of the distribution of Nd isotopic ratio is the latitudinal variations found in the eastern Indian Ocean. The samples collected close to the equator and 40 degree south show the values lower than -10. On the other hand, the samples collected within 10 to 30 degree south show relatively high epsilon values (-7.5 to -3.9) with a systematic decrease toward south.