

**PERSONAL DATA**

Name: Akinori Takasuka

Date of birth: July 9, 1975

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**RESEARCH INTERESTS**

*Personal perspective:* I have had an interest in fish since early childhood. Since I decided to be a marine biologist, my interests have been directed to the mechanisms of pelagic fish population dynamics. Special emphasis has been on biological and ecological perspectives. Main topics are biological mechanisms of species alternations, growth-related survival mechanisms during early life stages, and spatial and temporal dynamics in biological parameters.

*Research fields and specialities:* marine biology, marine ecology, fisheries biology, fisheries oceanography, small pelagic fish, population dynamics, recruitment mechanism, growth and survival during early life stage

*Current topic:* Currently, I am trying to compare mechanisms of species alternations among different ecosystems from a viewpoint of biology and oceanography in collaboration with the members of oceanography laboratory of Sam McClatchie at SWFSC.

**EDUCATION AND PROFESSIONAL EXPERIENCE**

- 1998            BSc. The University of Tokyo (Agricultural Science)
- 2000            MSc. The University of Tokyo (Agricultural Science)
- 2003            PhD. The University of Tokyo (Agricultural Science)
- 2004–Present   Research Scientist, National Research Institute of Fisheries Science,  
Fisheries Research Agency
- 2008–Present   Visiting Scientist, Southwest Fisheries Science Center, National  
Marine Fisheries Service, National Oceanic and Atmospheric  
Administration
- 2008–Present   Japan Society for the Promotion of Science (JSPS) Fellow for  
Research Abroad

**AWARDS RECEIVED**

1. Best Presentation Award at PICES XI, October 2002, Qingdao, China.
2. Best Presentation Award at PICES XIII, October 2004, Honolulu, U.S.A.
3. The 10th Best Paper Award of the Japanese Society of Fisheries Oceanography, March, 2008 (Takasuka & Aoki 2006 in *Fisheries Oceanography*).

**PUBLICATIONS SELECTED**

1. Takasuka, A., Aoki, I., Mitani, I. (2003) Evidence of growth-selective predation on larval Japanese anchovy *Engraulis japonicus* in Sagami Bay. *Marine Ecology Progress Series*, 252: 223–238.
2. Takasuka, A., Aoki, I., Mitani, I. (2004) Three synergistic growth-related mechanisms in the short-term survival of larval Japanese anchovy *Engraulis japonicus* in Sagami Bay. *Marine Ecology Progress Series*, 270: 217–228.
3. Takasuka, A., Oozeki, Y., Kimura, R., Kubota, H., Aoki, I. (2004) Growth-selective predation hypothesis revisited for larval anchovy in offshore waters: cannibalism by juveniles versus predation by skipjack tunas. *Marine Ecology Progress Series*, 278: 297–302.
4. Takasuka, A., Oozeki, Y., Kubota, H., Tsuruta, Y., Funamoto, T. (2005) Temperature impacts on reproductive parameters for Japanese anchovy: Comparison between inshore and offshore waters. *Fisheries Research*, 76: 475–482.
5. Takasuka, A., Aoki, I. (2006) Environmental determinants of growth rates for larval Japanese anchovy *Engraulis japonicus* in different waters. *Fisheries Oceanography*, 15: 139–149.
6. Takasuka, A., Oozeki, Y., Aoki, I. (2007) Optimal growth temperature hypothesis:

- Why do anchovy flourish and sardine collapse or vice versa under the same ocean regime? *Canadian Journal of Fisheries and Aquatic Sciences*, 64: 768–776.
7. Takasuka, A., Aoki, I., Oozeki, Y. (2007) Predator-specific growth-selective predation on larval Japanese anchovy *Engraulis japonicus*. *Marine Ecology Progress Series*, 350: 99–107.
  8. Oozeki, Y., Takasuka, A., Kubota, H., Barange, M. (2007) Characterizing spawning habitats of Japanese sardine (*Sardinops melanostictus*), Japanese anchovy (*Engraulis japonicus*), and Pacific round herring (*Etrumeus teres*) in the northwestern Pacific. *California Cooperative Oceanic Fisheries Investigations Reports*, 48: 191–203.
  9. Tanaka, H., Takasuka, A., Aoki, I., Ohshimo, S. (2008) Geographical variations in the trophic ecology of Japanese anchovy, *Engraulis japonicus*, inferred from carbon and nitrogen stable isotope ratios. *Marine Biology*, 154: 557–568.
  10. Takasuka, A., Oozeki, Y., Aoki, I., Kimura, R., Kubota, H., Sugisaki, H., Akamine, T. (2008) Growth effect on the otolith and somatic size relationship in Japanese anchovy and sardine larvae. *Fisheries Science*, 74: 308–313.
  11. Takasuka, A., Oozeki, Y., Kubota, H., Lluch-Cota, S. E. (2008) Contrasting spawning temperature optima: Why are anchovy and sardine regime shifts synchronous across the North Pacific? *Progress in Oceanography*, 77: 225–232.
  12. Takasuka, A., Oozeki, Y., Kubota, H. (2008) Multi-species regime shifts reflected in spawning temperature optima of small pelagic fish in the western North Pacific. *Marine Ecology Progress Series*, 360: 211–217.
  13. Takasuka, A., Kubota, H., and Oozeki, Y. (2008) Spawning overlap of anchovy and sardine in the western North Pacific. *Marine Ecology Progress Series*, 366: 231–244.
  14. Yasue, N., Takasuka, A. (submitted) Seasonal variability in growth of larval Japanese anchovy *Engraulis japonicus* in the Kii Channel, Japan.
  15. Oozeki, Y., Takasuka, A., Kubota, H., Kimura, R., Okamura, H. (submitted) Patchiness structure and mortality of Pacific saury *Cololabis saira* larvae in the northwestern Pacific.
  16. Barange, M., Coetzee, J., Takasuka, A., Hill, K., Gutierrez, M., Oozeki, Y., van der Lingen, C., Agostini, V. (submitted) Habitat expansion and contraction in anchovy and sardine populations.
  17. Drinkwater, K. F., Beaugrand, G., Kaeriyama, M., Kim, S., Ottersen, G., Perry, I., Pörtner, H. O., Polovina, J., Takasuka, A. (submitted) On the mechanisms linking climate to ecosystem changes.