



Lecturer and researcher in Aquatic Ecology at the Federal University of São Carlos (1971-1992).

Her research is focused on Brazilian reservoirs, especially contributing to the knowledge of zooplankton species distribution.

Editor-in-Chief of Brazilian Journal of Biology.

She co-wrote a reference book in Brazilian Limnology (“Limnologia”)

# TAKAKO MATSUMURA-TUNDISI

BRAZIL

## HERSTORY

Takako left academia, but she is still doing research as a director of a consultant organizations. She is also linked to the post-graduate program at Federal University of São Carlos, supervising master and PhD students.

# EUTROPHICATION & COPEPODS IN RESERVOIRS

## LONG-TERM CHANGES in Barra Bonita reservoir (Brazil)

1. Accelerated eutrophication process caused by watershed use and discharge of sewage in 23 years

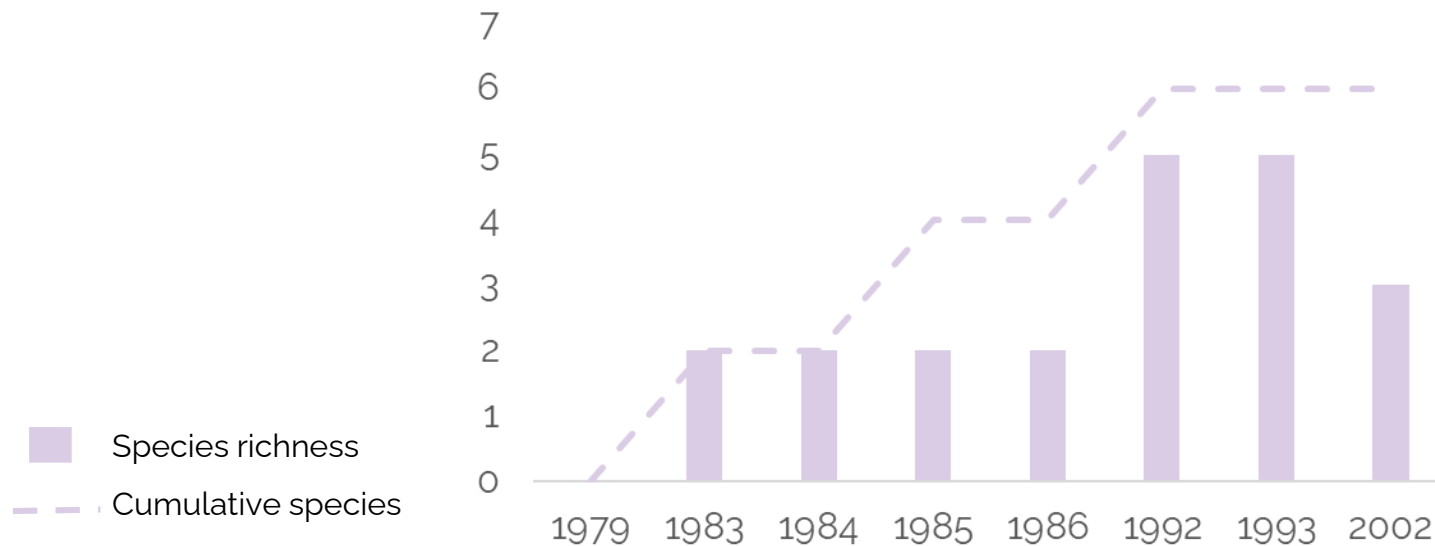
	1979	2002
Conductivity ( $\mu\text{S cm}^{-1}$ )	103.3	370
Phosphorus ( $\mu\text{g P L}^{-1}$ )	15.0	40.1
Nitrate ( $\mu\text{g N L}^{-1}$ )	200.0	3479.6
Ammonium ( $\mu\text{g N L}^{-1}$ )	16.8 (1984)	232.0



# EUTROPHICATION & COPEPODS IN RESERVOIRS

## LONG-TERM CHANGES in Barra Bonita reservoir (Brazil)

1. Accelerated eutrophication process caused by watershed use and discharge of sewage in 23 years
2. Variations in the composition of calanoid species as response to eutrophication enhance cumulative diversity, but also the disappearance of 3 species.



# RELEVANT CONTRIBUTIONS

Dussart, B. H., Fernando, C. H., **Matsumura-Tundisi, T.**, Shiel, R. J. (1984). A review of systematics, distribution and ecology of tropical freshwater zooplankton. *Hydrobiologia* 113, 77-91.

**Matsumura-Tundisi, T.** (1986). Latitudinal distribution of Calanoida copepods in freshwater aquatic systems of Brazil. *Revista Brasileira de Biologia* 46, 527-553.

**Matsumura-Tundisi, T.**, Tundisi, J. G. (2003). Calanoida (Copepoda) species composition changes in the reservoirs of São Paulo State (Brazil) in the last twenty years. *Hydrobiologia* 504, 215-222.

Tundisi, J. G., **Matsumura-Tundisi, T.** (2008). *Limnologia*. Oficina de textos

Jorgensen, S., Tundisi, J. G., **Matsumura-Tundisi, T.** (2013). *Handbook of inland aquatic ecosystem management*. CRC Press, Taylor & Francis Group.

LOOKING  
FOR MORE?

You can find more information about her story and research at:

<https://scholar.google.com.br/citations?user=3cOyzRoAAAAJ&hl=pt-BR>

<http://lattes.cnpq.br/7789295211200946>