



# OLGA M. KOZHOVA

1931-2000, RUSSIA

Honored scientist of the Russian Federation, Honored Professor of the Institute of Biology, and Head of the Department of Invertebrate Zoology at Irkutsk State University (Russia).

Known for her research on the hydrology and ecology of Lake Baikal, as well as for her studies on the anthropogenic activities threatening this precious ecosystem.

She was the promoter of the Atlas of Lake Hubsugul.

## HERSTORY

She became a worthy successor of her father, the ecologist Mikhail Mikhailovich Kozhov, author of 900 works including 14 monographs and 2 textbooks.

# ANTHROPOGENIC IMPACTS IN LAKES

## Anthropogenic impacts in Lake Baikal:

- Hydropower stations (water level regulation and sediments)
- Commercial fisheries and sport fishing (wildlife manipulation)
- Chemical pollution from rivers, precipitation, coastline erosion, industry and transport.

## Main pollutants of Lake Baikal:

- Organic matter and nutrients - Eutrophication
- Oil products – Toxicity and mortality
- Heavy metals – Bioaccumulation.
- Sulfates from mines
- Toxic substances

Modified from: Olga M. Kozhova & Eugene A. Silov. (1998).  
Lakes and Reservoirs: Research and Management

Year	Oil products (mg/L)
1971	0.05 ± 0.02
1972	0.75 ± 0.39
1973	0.20 ± 0.10
1974	0.10 ± 0.10
1975	0.18 ± 0.23
1976	0.21 ± 0.07
1977	0.28 ± 0.02
1978	0.34 ± 0.11
1979	0.14 ± 0.09

# RELEVANT CONTRIBUTIONS

**Kozhova, O. M.** (1981). Hydrobiological monitoring of Baikal. Internationale Vereinigung für theoretische und angewandte Limnologie: Verhandlungen, 21, 518-522.

**Kozhova, O. M.** (1987). Phytoplankton of Lake Baikal: structural and functional characteristics. Archiv für Hydrobiologie. Beibefte, Ergebnisse der Limnologie, 25, 19-37.

Kozlov, U. P., Vorobiev, V. V., Batsuur, D., **Kozhova, O. M.**, et al. (1989). Atlas of Lake Hubsugul.

**Kozhova, O. M.**, Izmet'eva, L.R., Erbaeva, E.A. (1994). A review of the hydrobiology of Lake Khubsugul (Mongolia). Hydrobiologia, 291, 11-19.

**Kozhova, O. M.**, Silow, E. A. (1998). The current problems of Lake Baikal ecosystem conservation. Lakes and Reservoirs: Research and Management, 3, 19-33.

**Kozhova, O. M.**, Erbaeva, E. A., Safronov, G.P. (2000). The benthic invertebrates of Lake Khubsugul, Mongolia. Advances in Ecological Research, 31, 97-124.

LOOKING  
FOR MORE?

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

<https://limnology.org/book-reviews-31/>

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1440-1770.1998.tb00029.x>