

## VERA ISTVÁNOVICS

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### EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Year conferred</u>	<u>Discipline</u>
Eötvös Lóránd Univ.	diploma	1979	Biology
Eötvös Lóránd Univ.	Dr. rerum naturale	1982	Ecology
Hung. Board of Sci. Qual.	Ph.D.	1988	Biology
Hung. Acad. Sci.	DSc	2000	Limnology

### POSITIONS HELD SINCE COMPLETION OF BACCALAUREATE

<u>Position</u>	<u>Year</u>	<u>Principal responsibilities</u>
Senior Scientist Water Quality Management Group of the Hung. Acad. Sci.	1998-present	Research and teaching
Qualified Ph.D. supervisor University of Debrecen Faculty of Sciences	2000-present	Teaching
Senior Scientist Balaton Limnological Research Institute of the Hung. Acad. Sci.	1988-1998	Research
Guest researcher Institute of Limnology, Uppsala University, Sweden	summer 1988-1996	Research
Scientist Balaton Limnol. Res. Institute of the Hung. Acad. Sci.	1983-1988	Research
Junior scientist Balaton Limnol. Res. Institute of the Hung. Acad. Sci.	1979-1983	Research

### PROFESSIONAL SOCIETIES

- Hungarian Hydrological Society
- International Association of Theoretical and Applied Limnology (SIL)

### PROFESSIONAL SOCIETIES

- Member, Hydrobiological Committee of the Hungarian Academy of Sciences - 1999 to date

### HONORS AND SERVICES

- Co-ordinator of the program, "Ecology and Nature Protection in Sustainable Water Management" elaborated in the frame of the strategic research project of the Hungarian Academy of Sciences, "Water Management Strategy in Hungary at the turn of the millenium"
- Outstanding Researcher Award - Veszprém Branch, Hungarian Academy of Sciences, 1989
- Outstanding Young Researcher Award - Hungarian Academy of Sciences, 1987

### RESEARCH PROJECTS

- The influence of suction dredging on the phosphorus cycling in Basin 1 of Lake Balaton. - Ventral Transdanubian Water Authority, 1992.
- The role of sediments in shaping water quality of polluted Lágymányos branch of the Danube. - SENEX Ltd, 1993-1994.

- Sediments of the Keszthely Basin of Lake Balaton - VIZINTER Ltd, 1995.
- Supervision of the Lower Kis-Balaton Reservoir - VIZITERV Ltd, 1996-1997.
- Phosphorus cycling (phytoplankton/macrophytes/sediments) in the Kis-Balaton Reservoir - West Transdanubian Water Authority - 1993-2000.
- Growth and P uptake strategies of phytoplankton as a function of internal P load reduction in Lake Balaton - Balaton Project of the Office of the Prime Minister, 1996-1997.
- Phosphorus loads transported by small tributaries to Lake Balaton - Balaton Project of the Office of the Prime Minister, 1998.
- Long-term nutrient loads of Lake Balaton - Balaton Project of the Office of the Prime Minister, 1999.
- Evaluation of the results of water quality management in Lake Balaton - Balaton Project of the Office of the Prime Minister, 1999.
- The role of the internal loading and meteorological factors in phytoplankton dynamics - Balaton Project of the Office of the Prime Minister, 2000.
- Interactive regulation of phytoplankton succession by physical forcing and internal phosphorus loading: a comparative study in eutrophic freshwater lakes - European Community EVK1-CT-1999-00037, EC, 2000-2003.

#### **SELECTED LIST OF PUBLICATIONS (Over 55 journal articles)**

- Herodek, S. and V. Istvánovics. 1986. Mobility of phosphorus fractions in the sediments of Lake Balaton. *Hydrobiologia* 135: 149-154.
- Istvánovics, V., L. Vörös, S. Herodek, L. G.-Tóth, and I. Tátrai. 1986. Changes of phosphorus and nitrogen concentration and of phytoplankton in enriched enclosures. *Limnol. Oceanogr.* 31: 798-811.
- Pettersson, K. and V. Istvánovics. 1988. Sediment phosphorus in Lake Balaton - forms and mobility. *Arch. Hydrobiol. Suppl.* 30: 71-85.
- Istvánovics, V. 1988. Seasonal variation of phosphorus release from the sediments of shallow Lake Balaton (Hungary). *Water Research* 22: 1473-1481.
- Istvánovics, V., K. Pettersson, D. Pierson, and R. Bell. 1992. Evaluation of phosphorus deficiency indicators for summer phytoplankton in Lake Erken. *Limnol. Oceanogr.* 37: 890-900.
- Istvánovics, V., K. Peterson, M. Rodrigo, D. Pierson, J. Padisák, and W. Colom. 1993. *Gloeotrichia echinulata*, a colonial cyanobacterium with a unique phosphorus uptake and life strategy. *J. Plankton Res.* 15: 531-552.
- Istvánovics V., and S. Herodek. 1995. Estimation of net uptake and leakage rates of orthophosphate from <sup>32</sup>Puptake kinetics by a force-flow model. *Limnol. Oceanogr.* 40:17-32.
- Istvánovics, V., and L. Somlyódy 1999. Changes in the cycling of phosphorus in the Upper Kis-Balaton Reservoir following external load reduction. *Freshwater Biology* 41: 1-19.
- Istvánovics, V., H. M. Shafik, M. Présing, and Sz. Juhos 2000. Growth and phosphate uptake kinetics of the cyanobacterium, *Cylindrospermopsis raciborskii* (Cyanophyceae) in throughflow cultures. *Freshwater Biology* 43: 257-275.
- Istvánovics, V., and L. Somlyódy (in press): Factors influencing lake recovery from eutrophication – the case of Basin 1 of Lake Balaton. *Water Research*

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