

Dr. Gianni Tartari

Chair, CEOP-HE

Research Director at Water Research Institute of the Italian National Research Council, Italy

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Field of Expertise: Environmental chemistry (nutrients and micropollutants), physical and chemical limnology, eutrophication processes, study of climatic change effects on ecological quality of lakes

Educational background:

1980, Doctoral degree in Chemistry, University of Milan

Professional experience:

Director of research at the Water Research Institute (IRSA), National Research Council (CNR), where he is Responsible of the Section of Brugherio, Milan.

Member of the Ev-K2-CNR Committee and of the Bilateral Technical Committee between CNR and Nepal Academy of Science.

Member of Ev-K2-CNR Scientific Council.

As expert consultant for Italian Ministry of Environment, of Territory Protection and Sea for the acknowledged the Water Framework Directive (WFD), he has participated at several EU activities (Bureau Communautaire of Reference, Working Group 2.3-REFCOND, etc.).

Involved in the VI Framework Programme in REBECCA and CIRCE Projects, in EU-Twinning Projects with Bulgaria and Egypt and in others several national and international researches activities (HKKH Italy-China; CEOP-Himalayas, JAMEX etc.).

National representative for the CNR in the Euro-limpacs Integrated Project.

Chair of the CEOP-High Elevation Working Group.

Main research activities:

The basic research activities are in the field of environmental chemistry. His principal interest is in physical and chemical limnology, with emphasis on eutrophication processes and the effects of climatic change on ecological quality of lakes. He also develops a relevant activity in high altitude remote areas using an interdisciplinary approach to link the physical and chemical pressure to study the ecological state of aquatic ecosystems.

Selected list of relevant publications:

Ueno, K., K. Toyotsu, L. Bertolani & G. Tartari. 2008. Stepwise Onset Of Monsoon Weather Observed In The Nepal Himalayas. *Mon. Wea. Rev.* 2057-2522.

Rizzio E., Giaveri G., Bergamaschi L., Profumo A., Tartari G. & Gallorini M. 2007. Elemental Characterization Of Himalayan Airborne Particulate Matter Collected At 5100 M A.S.L. In: Baudo R., Tartari G., Vuillermoz E. *Mountains: Witnesses Of Global Changes. Research In The Himalaya And Karakoram: Share-Asia Project. Developments In Earth Surface Processes Series*, 10, Elsevier, Amsterdam. 171-183.

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- Karakoram: Share-Asia Project. *Developments In Earth Surface Processes Series*, 10, Elsevier, Amsterdam. 51-58.
- Lami A., Tartari G.A., Musazzi S., Guilizzoni P., Marchetto A., Manca M., Boggero A., Nocentini A.M., Morabito G., Tartari G., Guzzella L., Bertoni R. & Callieri C. 2007. High Altitude Lakes: Limnology And Paleolimnology. In: Baudo R., Tartari G., Vuillermoz E. *Mountains: Witnesses Of Global Changes. Research In The Himalaya And Karakoram: Share-Asia Project. Developments In Earth Surface Processes Series*, 10, Elsevier, Amsterdam. 155-170.
- Margaritora F. G., E. Cherubini, D. Copetti, E. Legnani, M. Seminara, G. Tartari & D. Vagaggini. 2006. Recent Trophic Evolution Of Lake Pusiano (Northern Italy) With Particular Reference To Zooplanktonic Communities. *Chemistry In Ecology*, 22: 37-47.
- Mihalcea, C., C. Mayer, G. Diolaiuti, A. Lambrecht, C. Smiraglia & G. Tartari. 2006. Ice Ablation And Meteorological Conditions On The Debris-Covered Area Of Baltoro Glacier, Karakoram, Pakistan. *Annals Of Glaciology* 43: 292-300.
- Copetti, D., G. Tartari, G. Morabito, A. Oggioni, E. Legnani & J. Imberger. 2006. A Biogeochemical Model Of The Lake Pusiano (North Italy) And Its Use In The Predictability Of Phytoplankton Blooms: First Preliminary Results. *J. Limnol.*, 65: 59-64.
- Buraschi, E., F. Salerno, C. Monguzzi, G. Barbiero & G. Tartari. 2005. Characterization Of The Italian Lake-Types And Identification Of Their Reference Sites Using Anthropogenic Pressure Factors. *J. Limnol.*, 64 (1): 75-84.
- Giaveri G., L. Bergamaschi, R. Rizzio, G. Verza, G. Zambelli, A. Brandone, A. Profumo, R. Baudo, G. Tartari & M. Gallorini. 2005. Inaa At The Top Of The World: Elemental Characterization And Analysis Of Airborne Particulate Matter Collection In Himalayas At 5,100 M High. *J. Radioanal. Nucl. Chem.*, 263(3): 725-732.
- Legnani, E., D. Copetti, A. Oggioni, G. Tartari, M. T. Palumbo & G. Morabito. 2005. Planktothrix Rubescens' Seasonal And Spatial Distribution In Lake Pusiano (North Italy). *J. Limnol.*, 64(1): 61-73.
- Viganò L., A. Arillo, A. Buffagni, M. Camusso, R. Ciannarella, G. Crosa, C. Falugi, S. Galassi, L. Guzzella, A. Lopez, M. Mingazzini, R. Pagnotta, L. Patrolecco, G. Tartari & S. Valsecchi. 2003. Quality Assessment Of Bed Sediments Of The Po River (Italy). *Water Research*, 37: 501-518.
- Balestrini, R., L. Galli & G. Tartari. 2000. Wet And Dry Atmospheric Deposition At Prealpine And Alpine Sites In Northern Italy. *Atmospheric Environment*, 34: 1455-1470
- Bertolani, L., M. Bollasina & G. Tartari. 2000. Recent Biennial Variability Of Meteorological Features In Eastern Highland Himalayas. *Geophysical Research Letters*, 27: 2185-2188.
- Valsecchi, S., C. Smiraglia & G. Tartari. 1999. Chemical Composition Of Monsoon Depositions In The Everest Region. *Sci. Total Environ.*, 226: 187-199.
- Tartari, G., G.P. Verza & L. Bertolami. 1998. Meteorological Data At The Pyramid Observatory Laboratory (Khumbu Valley, Sagarmatha National Park, Nepal). In: Lami A. & G. Giussani (Ed.) *Limnology Of High Altitude Lakes In The Mt. Everest Region (Himalayas, Nepal)*. *Mem. Ist. Ital. Idrobiol.*, 57: 23-40.