

Dr. Chrysi Laspidou is an Associate Professor at the Civil Engineering Department, University of Thessaly. She has a B.Sc. in Mechanical Engineering and an M.Sc. degree in Environmental Engineering from the University of Texas at Austin, USA and a Ph.D. from Northwestern University, USA in Civil and Environmental Engineering. Her interests include mathematical modeling and simulation of physical---chemical and biological processes that take place in natural aquatic systems and other ecosystems, as well as urban water issues, resource depletion and sustainability, virtual water and water---carbon---ecological footprint. She has published over 50 articles in scientific journals and conference proceedings and is actively involved in Greek and European projects.

Dr. Laspidou has a diverse background and is active in various research areas. She has developed the UMCCA model, a unified multi---component cellular automata sophisticated simulation model for the development of biofilm structures. She has conducted research in many different aspects of water, from performing mathematical modeling of aquatic system processes to computational biology relevant to ecosystem function, to the socio---economic aspects of water use and water resources management. She has also conducted work on several facets of the ecological footprint and on water use and sustainable development. She collaborates with the networking and communications group at CERTH and is involved in ICT projects that are mainly on innovative multisensors and/or biosensors, smart urban water management, smart cities and ICT for improving ecosystem function and quality.

For a current list of publications, visit the following sites:

[https://www.researchgate.net/profile/Chrysi\\_Laspidou?ev=hdr\\_xprf](https://www.researchgate.net/profile/Chrysi_Laspidou?ev=hdr_xprf)

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For a current list of projects, visit my LinkedIn profile:

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