

Dr. Ioannis Pantelakis

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Studies: Degree in Environmental Science, Department of Environment, University of the Aegean. Postgraduate courses in Environmental Engineering, Department of Environment, University of the Aegean. PhD in Environmental Science in the fields of Environmental Engineering and Artificial Intelligence, Department of Environment and Department of Information and Communication Systems Engineering, University of the Aegean.

Professional activities: Ioannis Pantelakis, has participated in numerous research projects and studies on the management of the natural environment and applications of information systems (1992-present). He is a member of the Water and Air Quality Laboratory of the Environment Department of the University of the Aegean (1992-present). He has publications on control of environmental pollution through the application of artificial intelligence, in international scientific journals and international conferences. He has taught as a lecturer the Computer Science at the Sociology Department, University of the Aegean. Since 1995 working in University of the Aegean, for research, design, development, maintenance and management of the network infrastructure of the University buildings of Mitilini town, technical support centers in the computer laboratories of the Lesbos Island schools and Departments of the University, and education students and teachers in the Applied Computing. He is a member of the laboratory and teaching staff of informatics in the School of Environment, Department of Marine Sciences. At the same time, he works in the Department of Marine Sciences with the role of Network Administrator.

Research interests: The use of Artificial Intelligence with the application of Expert Systems and Neural Networks in the Management of Environmental Problems.

Publications:

2000. George Vouros, I. S. Pantelakis and Th. D. Lekkas. “Knowledge Representation in an activated sludge plant diagnosis system”. Expert Systems, Vol. 17, No. 5, pp. 226-240, 2000.

1999. P. A. Paraskevas, I. S. Pantelakis and T. D. Lekkas. “An Advanced Integrated Expert System for Activated Sludge Process Control”, Knowledge-Based Systems, Vol. 12, pp. 355-361, 1999

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1997. Ι. Σ. Παντελάκης, Π. Α. Παρασκευάς και Θ. Δ. Λέκκας. “Αρχές Σχεδίασης Έμπειρων Συστημάτων στη Διαδικασία Αυτομάτου Ελέγχου της Ενεργού Ιλύος”, Τεχνικά Χρονικά, ΤΕΕ, V, τεύχος 1-2, σελ. 9-15, 1997

1997. D. Haralambopoulos, I. Pantelakis, P. Paraskevas and Th. Lekkas, “Waste-Water Treatment and Renewable Energy Potential in the Aegean Islands”, Energy, Vol. 22, No. 7, pp. 725-733, 1997

1996. I. S. Pantelakis, P. A. Paraskevas and Th. D. Lekkas, “Developing a Diagnostic Expert System for Activated Sludge Process”, International Conference “Protection and Restoration of the Environment III” Chania, Greece, 1996, pp. 287-292

1993. Παρασκευάς Π., Κολοκυθάς Γ., Παντελάκης Ι., Λέκκας Θ. “Εκτίμηση της Απόδοσης Πρωτοβάθμιας Καθίζησης με χρήση Δυναμικών Μοντέλων”, 3ο Συνέδριο Περιβαλλοντικής Επιστήμης και Τεχνολογίας, Πανεπιστήμιο Αιγαίου, Τμήμα Περιβάλλοντος, Μόλυβος Λέσβου, 6-9 Σεπτεμβρίου 1993, τόμος Α', σελ. 85-95