

## ARTICLES 2008

### ISI

1. **C. Maftai, A. Bărbulescu**, *Statistical analysis of climate evolution in Dobrudja region*, Lecture Notes in Engineering and Computer sciences, WCE 2008, vol.II, IAENG, p.1082-1087, ISBN 978-988-98671-9-5, [http://www.iaeng.org/publication/WCE2008/WCE2008\\_pp1082-1087.pdf](http://www.iaeng.org/publication/WCE2008/WCE2008_pp1082-1087.pdf)
2. **A. Bărbulescu**, E. Pelican, *On the Sulina Precipitation Data Analysis Using the ARMA models and a Neural Network Technique*, Recent Advances in Mathematical and Computational Methods in Science and Engineering, Part II, WSEAS Press, 2008, p.508-511 (ISSN 1790-2769) <http://www.wseas.us/e-library/conferences/2008/bucharest2/macmese/macmese00.pdf>
3. **C. Gherghina**, Eliza Isbasoiu, "Gris Services and Satellite Image Processing for urban and river bed changes assessment", Proceedings of the 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC 2008, September 26-29, IEEE Computer Press, pp. 400 – 404. (ISBN 978-0-7695-3523-4) [http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=5204845](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5204845)

### BDI - CNCSIS B+

1. **C. Maftai**, C. Buta, G. Adam, S. Gelmambet, *Geographical Information System implementation in drought management*, Sci. Bul. of Politehnica Univ. of Timișoara, Transactions in Hydrotechnics, vol. 53(67), no. 2, 2008, pp.191-196, [http://www.hidro.upt.ro/bulet/abs+rez/2008/rez\\_08\\_2.pdf](http://www.hidro.upt.ro/bulet/abs+rez/2008/rez_08_2.pdf)
2. I. Omer, **C. Gherghina**, *A Software Implementation of Water Waves Propagation*, Annals of Oradea University, Fascicle of Management and Technological Engineering, Volume VII (XVII), 2008, pp. 485 – 490, (ISSN 1583 – 0691), <http://auo.fmte.rdsor.ro/>
3. M. Stănescu, C. Buta, **C. Maftai, D Teodorescu**, *Statistical analysis of the annual maximum flows*, Sci. Bul. of Politehnica Univ. of Timișoara, Transactions on Hydrotechnics, vol. 53(67), no. 2, 2008, pp. 197-202 (ISSN 1224-6042) [http://www.hidro.upt.ro/bulet/abs+rez/2008/rez\\_08\\_2.pdf](http://www.hidro.upt.ro/bulet/abs+rez/2008/rez_08_2.pdf)

### PROCEEDINGS

1. **C. Maftai, A. Bărbulescu**, *Computing the intensity - duration - frequency curves for a Romanian catchments*, Proceedings of ICM 2008, 3-6.03.2008, Al Ain, p.1178-1186
2. **E. Pelican**, *A Collocation-like Method for Solving a First Kind Volterra Integral Equation*, NumAn 2008 Book of Proceedings, Kalamata, Greece, September 1-5, 2008, pp.159 – 162.
3. **E. Pelican, A. Bărbulescu**, *Forecasting rainfalls in Dobroudgea Area Using Wavelets and Neural Networks Techniques*, Mathematical Modeling of Environmental and Life Sciences Problems Proceedings of 7<sup>th</sup> Workshop, September 2008, Constanța, Romania, Ed. Academiei, 2010, pp.211 – 219.

### UNPUBLISHED

1. **A. Bărbulescu**, *Modeling the seasonal evolution of precipitations in Dobrudja*, EGU, Viena, 14-18.04.2008, EGU2008-A-05498, Geophysical Research Abstracts, Vol.10, 2009, eISSN: 1607-7962
2. **A. Bărbulescu**, *Modeling the evolution of precipitation in a region of Romania*, 7-th World Congress of Probability and Statistics, 14-19.07.2008, Singapore <http://www.ims.nus.edu.sg/Programs/wc2008/index.htm>
3. **A. Bărbulescu**, *Mathematical Models for the prediction of the precipitations effects*, New statistical trend in hydrological modeling, Capri, 13-17.10.2008, [www.ihp2008capri.it](http://www.ihp2008capri.it)
4. **A. Bărbulescu**, D - C. Toncu, *The analysis of the rain influence on water quality*, The role of hydrology in water resources management, Capri, 13-17.10.2008, [www.ihp2008capri.it](http://www.ihp2008capri.it)