

ARTICLES 2009

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1. **A. Bărbulescu**, E. Băutu, *Mathematical models of climate evolution in Dobrudja*, Theoretical and Applied Meteorology, vol.100, nos.1 – 2/March, 2010, pp. 29 – 44, DOI 10.1007/s00704 – 009 – 0160 – 7, ISSN 0177 – 798X (Print) 1434 – 4483 (Online),

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2. **A. Bărbulescu**, E. Băutu, *Alternative Models in Precipitation Analysis*, Analele Științifice ale Universității Ovidius Constanța, Seria Matematică, nr.3, 2009, pp. 45 - 68 (ISSN1224 -1784 (Print), 1844 - 0835 (Online)), <http://www.anstuocmath.ro/volume-xvii-2009-fascicola-3>

3. **A. Bărbulescu**, E. Băutu, *Meteorological Time Series Modelling Based on Gene Expression Programming*, Recent Advances in Evolutionary Computing, WSEAS Press, 2009, pp. 17-23, (ISBN 978 – 960 – 474 – 067 – 3, ISSN 1790 – 5109)

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4. **A. Bărbulescu**, E. Băutu, *ARIMA Models versus Gene Expression Programming In Precipitation Modeling*, Recent Advances in Evolutionary Computing, WSEAS Press, 2009, pp.112-117 (ISBN 978 – 960 – 474 – 067 – 3, ISSN 1790 – 5109)

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1. **A. Bărbulescu**, E. Băutu, *ARIMA and GEP models for climate variation*, International Journal of Mathematics and Computation, June 2009, Volume 3, No J09, ISSN 0974 – 5718, pp. 1-7, <http://www.ceser.res.in/ceserp/index.php/ijmc/issue/archive>

2. **A. Bărbulescu**, E. Băutu, *Time Series Modeling Using an Adaptive Gene Expression Programming*, International Journal of Mathematical Models and Methods in Applied Sciences, Issue 2, Volume 3, 2009, pp. 85–93, ISSN 1998 – 0140, <http://www.naun.org/journals/m3as/>

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1. **C. Maftai**, **A. Bărbulescu**, *Frequential models for the precipitation evolution in Romania*, Analele Științifice ale Universității Ovidius, Seria Inginerie Civilă, Volume 1, Special Issue 11, Proceedings of the 5-th International Conference “Dynamical Systems and Applications”, iunie 2009, pp. 73-80 (ISSN-1584 – 5990), http://constructii.univ-ovidius.ro/ct/publicatii/anale_ing_2009.html

2. **C. D. Teodorescu**, *The Evolution of the Physical and Chemical Parameters of the Lakes in the Romanian Black Sea Littoral Area Which are Influenced by the Human Factors*, Analele Științifice ale Universității Ovidius, Seria Inginerie Civilă, Volume 1, Special Issue 11, Proceedings of the 5-th International Conference “Dynamical Systems and Applications”, June 2009, pp. 103 – 112 (ISSN 1584 – 5990), http://constructii.univ-ovidius.ro/ct/publicatii/anale_ing_2009.html

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1. **E. Pelican**, **A. Bărbulescu**, *Prediction of Dobroudja Precipitation Using Wavelets Analysis*, EGU General Assembly 2009, Viena, Geophysical Research Abstracts, Vol.11, EGU2009 – 9778, 2009, eISSN: 1607-7962

2. **E. Pelican, A. Bărbulescu**, *Cross Approximation Techniques Used for Solving First Kind Integral Equations*, ICDSA, 25-18.06.2009, Constanța,

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3. A.A. Cârsteanu, **A. Bărbulescu**, A. Ionescu, *scale behaviour of dry spells*, EGU General Assembly 2009, Viena, Geophysical Research Abstracts, Vol.11, EGU2009 – 13946, 2009, eISSN: 1607-7962

4. A.A. Carsteanu, **A. Barbulescu**, K. M. Ba, J.J. Castro, C. Diaz-Delgado, L.G. Escandon – Alcazar, *Detecting climate-scale patterns in rainfall and runoff variability*, Workshop on Geocomplexity, 28-29.05.2009, York University,

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Invited editors: **Alina Bărbulescu și Elena Pelican**

2. Analele Științifice ale Universității Ovidius Constanța, Seria Inginerie Civilă, Volume 1, Special Issue 11, Proceedings of the 5-th International Conference “Dynamical Systems and Applications” (ISSN1584 – 5990), http://constructii.univ-ovidius.ro/ct/publicatii/anale_ing_2009.html, Invited editors: **Alina Bărbulescu, Carmen Elena Maftei, Elena Pelican**