

**ATILIM UNIVERSITY**

**Faculty of Arts and Science**

**MATHEMATICS DEPARTMENT**

**Publication List**

**2003**

## Articles in 2003

### Published Articles

- In Science Citation Index

1. **Toma Albu**, *Corrigendum and Addendum to my paper on Kummer extensions with few roots of unity*, J. Number Theory, **99**, 222-224, (2003).
2. **Gusein Sh. Guseinov** (with M. Bohner), *Improper integrals on time scales*, Dynamic Systems and Applications, **12**, 45-66, (2003).
3. **Gusein Sh. Guseinov** (with B. Kaymakçalan), *Lyapunov inequalities for discrete linear Hamiltonian systems*, Computers Math. Appl., **45**, 1399-1416, (2003).
4. **Gusein Sh. Guseinov**, *Integration on time scales*, J. Math. Anal. Appl., **285**, 107-127, (2003).
5. **Sergei Khruschev**, *Turan Measures*, Journal of Approximation Theory, **122**, 112-120, (2003).
6. **Demir N. Küpeli** (with Fernandez-Lopez M and Garcia-Rio E), *A local analytic characterization of Schwarzschild metrics*, Journal of Geometry and Physics, **45**, 309-322, (2003)
7. **Sofiya Ostrovska**, *q-Bernstein polynomials and their iterates*, Journal of Approximation Theory **123**, 232-255, (2003).
8. **Bülent Ünal** (with Fazilet Erkekoğlu, Eduardo García-Río and Demir N. Kupeli) ,*Characterizing Specific Riemannian Manifolds by Differential Equations*, Acta Applicandae Mathematicae, **76** (2), 195-219, (2003).
9. **Bülent Ünal** (with Dean E. Allison), *Geodesic Structure of Standard Static Space-times* , Journal of Geometry and Physics, **46** (2), 193-200, (2003).
10. **Bülent Ünal** (with Eduardo García-Río and Demir N. Kupeli), *On a Differential Equation Characterizing Euclidean Spheres*, Journal of Differential Equations, **194** (2), 287-299, (2003).

- Not in Science Citation Index

1. **Gusein Sh. Guseinov** (with N. Aykut), *On positive solutions of boundary value problems for nonlinear second order difference equations*, Turkish Journal of Math., **27**, 481-507, (2003).
2. **Gusein Sh. Guseinov** (with S. Faydaoglu), *Eigenfunction expansion for a Sturm-Liouville boundary value problem with impulse*, International Journal of Pure and Applied Mathematics, **8**, 137-170, (2003).
3. **Sofiya Ostrovska** (with S. Gadetska), *Uncorrelation Sets for Jointly Normal Random Variables*, Journal of Statistical Research, **2**, 1-5, (2003).
4. **Sofiya Ostrovska** (with A. Il'inskii), *Convergence of Generalized Bernstein Polynomials Based on the  $q$ -Integers*, Constructive Theory of Functions, Varna2002, DARBA, Sofia, 309-313, (2003).