

Пълен списък на научните трудове

на д-р Емилия Григорова Бажлекова
ИМИ-БАН

1. Дисертация за доктор

[B1] **E. Bajlekova** (2001), *Fractional Evolution Equations in Banach Spaces*, PhD thesis, Eindhoven University of Technology, Eindhoven, The Netherlands.
<http://alexandria.tue.nl/extra2/200113270.pdf>

2. Публикации в научни списания:

[B2] **E. Bazhlekova**, I. Dimovski (2013), Exact solution for the fractional cable equation with nonlocal boundary conditions, *Central European Journal of Physics*, in press, doi: 10.2478/s11534-013-0213-5, ISSN: 1895-1082, **IF(2012)=0.905**

[B3] **E. Bazhlekova**, I. Dimovski (2013), Exact solution of two-term time-fractional Thornley's problem by operational method, *Integral Transforms and Special Functions*, in press, doi: 10.1080/10652469.2013.815184, ISSN: 1065-2469, **IF(2012)=0.73**

[B4] **E. Bazhlekova** (2013), On a nonlocal boundary value problem for the two-term time-fractional diffusion-wave equation, *American Institute of Physics - Conference Proceedings*, # 1561, in press, ISSN: 0094-243X, **SJR(2012)= 0.161**

[B5] **E. Bazhlekova** (2013), Series solution of a nonlocal problem for a time-fractional diffusion-wave equation with damping, *C. R. Acad. Bulg. Sci.* 66 (8) pp. 1091-1096, ISSN 1310-1331, **IF(2012)=0.211**

[B6] **E. Bazhlekova**, I. Dimovski (2013), Time-fractional Thornley's problem, *Journal of Inequalities and Special Functions*, 4 (1) pp. 21-35, ISSN: 2217-4303.

[B7] **E. Bazhlekova**, I. Dimovski (2012), Computational approach to Thornley's problem by bivariate operational calculus, *American Institute of Physics - Conference Proceedings*, # 1487, pp. 176-184, ISSN: 0094-243X, **SJR(2012)=0.161**

[B8] **E. Bazhlekova**, I. Dimovski (2012), Explicit solution for a wave equation with nonlocal condition, *American Institute of Physics - Conference Proceedings*, # 1497, pp. 221-232, ISSN: 0094-243X, **SJR(2012)=0.161**

[B9] **E. Bazhlekova**, I. Dimovski (2012), Explicit solution of Thornley's problem, *C. R. Acad. Bulg. Sci.* 65 (9) pp. 1175-1184, ISSN 1310-1331, **IF (2012)=0.211**

[B10] **E. Bazhlekova** (2012), Existence and uniqueness results for a fractional evolution equation in Hilbert space, *Fractional Calculus & Applied Analysis*, 15 (2) pp. 232-243, ISSN: 1311-0454, **SCIE and Scopus indexed**

[B11] **E. Bazhlekova** (2012), Strict L^p solutions for nonautonomous fractional evolution equations, *Math. Balkanica (N.S.)* 26 Fasc.1-2, pp. 25-34

[B12] **E. Bazhlekova**, P. Clément (2003), Global smooth solutions for a quasilinear fractional evolution equation, *Journal of Evolution Equations*, 3 (2), pp. 237-246, ISSN: 1424-3199, **IF(2004)= 0.684**

[B13] **E. Bazhlekova**, I. Bazhlevkov (2003), Contour-integral representation of single and double layer potentials for axisymmetric problems, *Lecture Notes in Computer Science*, 2542, pp. 387-394, ISSN: 0302-9743, **IF(2004)=0.513**

[B14] **E. Bazhlekova** (2002), Strict L^p solutions for fractional evolution equations, *Fractional Calculus & Applied Analysis*, 5 (4) pp. 427–436, ISSN: 1311-0454.

[B15] **E. Bazhlekova** (2000), Subordination principle for fractional evolution equations, *Fractional Calculus & Applied Analysis*, 3 (3) pp. 213–230, ISSN: 1311-0454.

[B16] **E. Bazhlekova** (1999), Perturbation properties for abstract evolution equations of fractional order, *Fractional Calculus & Applied Analysis*, 2 (4), pp. 359-366, ISSN: 1311-0454.

[B17] **E. Bazhlekova** (1998), The abstract Cauchy problem for the fractional evolution equation, *Fractional Calculus & Applied Analysis*, 1 (3), pp. 255–270, ISSN: 1311-0454.

3. Публикации в реферирани сборници на международни конференции:

[B18] **E. Bazhlekova** (2013), Properties of the fundamental and the impulse-response solutions of multi-term fractional differential equations, *Complex Analysis and Applications '13*, Proc. of International Conference, Sofia, 31 Oct.-2 Nov. 2013, in press, ISBN 978-954-8986-37-3

[B19] **E. Bazhlekova** (1998), Duhamel-type representation of the solutions of nonlocal boundary value problems for the fractional diffusion-wave equation, *Proc. 2nd Int. Workshop "Transform Methods and Special Functions '1996"*, BAS, Sofia, pp. 32-40.

4. Публикации в сборници с абстракти на международни конференции:

[B20] **E. Bazhlekova** (2012), Fractional differential equations: abstract theory and some nonlocal boundary-value problems, *Int. Conference „Contemporary Problems of Mechanics and Applied Mathematics“*, Novi Sad, September 3-6, 2012.
<http://tcm2012.pmf.uns.ac.rs/doc/mecham2012-bookofabstracts.pdf>

5. Препринти:

[B21] **E. Bajlekova** (2011), *Fractional evolution equations in Banach spaces*, preprint no.4, 2011, IMI-BAS.

[B22] **E. Bazhlekova** (2001), Maximal L_p regularity of fractional order equations, *RANA Report* 01-24, Technische Universiteit Eindhoven.

[B23] **E. Bazhlekova** (2000), Perturbation and approximation properties for abstract evolution equations of fractional order, *RANA Report* 00-05, Technische Universiteit Eindhoven.