

**TITLE OF PAPER
IN "FCAA" JOURNAL**

Virginia Kiryakova¹, Second Author²

Abstract

Text of the abstract. Text of the abstract. Text of the abstract. Text of the abstract. Text of the abstract. Text of the abstract. Text of the abstract. Text of the abstract. It should give a comprehensive idea about the paper's subject and the author's results. The Abstract will be available free on SpringerLink.

MSC 2010: Primary 26A33; Secondary 33E12, 34A08, 34K37, 35R11, 60G22

Key Words and Phrases: fractional calculus, Mittag-Leffler type functions, fractional ordinary and partial differential equations, ...

1. First section of the paper

Text ... (for details, see [1], [4], [2], [3])...

THEOREM 1.1. *Text of Theorem 1.1*

P r o o f. Give here the proof of Theorem 1.1. Example for equation:

$$ax^2 + bx + c = 0. \quad (1.1)$$

As seen by equation (1.1), it is ... The proof follows from Ref. [3]. \square

COROLLARY 1.1. *Text of Corollary 1.1.*

P r o o f. Here comes the proof of Corollary 1.1. \square

DEFINITION 1.1. *Text of Definition 1.1.*

2. Second section of the paper

Text ... As seen in Section 1, the equation (1.1) has the solutions

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}. \quad (2.1)$$

EXAMPLE 2.1. Let us take in (2.1) ... Then, by Theorem 1.1, ...

EXAMPLE 2.2. Under same conditions as in Example 2.1, we consider

...



Fig. 2.1: The logos of the co-publishers of the journal

Acknowledgements

The author thanks his institution for the support, under Grant No ...

References

- [1] G. Gasper, M. Rahman, *Basic Hypergeometric Series*. Cambridge University Press, Cambridge (1990).
- [2] V. Kiryakova, A brief story about the operators of generalized fractional calculus. *Fract. Calc. Appl. Anal.* **11**, No 2 (2008), 201-218.
- [3] D.S. Moak, The q -analogue of the Laguerre polynomials. *J. Math. Anal. Appl.* **81**, No 1 (1981), 20-47.
- [4] M. Rosenblum, Generalized Hermite polynomials and the Bose-like oscillator calculus. In: *Operator Theory: Advances and Applications*, Birkhäuser, Basel (1994), 369-396.

¹ *Institute of Mathematics and Informatics
Bulgarian Academy of Sciences
"Acad. G. Bontchev" Str., Block 8
Sofia – 1113, BULGARIA*

e-mail: virginia@diogenes.bg

Received: November 28, 2010

² *Dept. of Physics, University of Bologna
Bologna, Via ..., ITALY*

e-mail: