

**TITLE OF PAPER  
IN “FCAA” JOURNAL**

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**Abstract**

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*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]) ...

**DEFINITION 1.1.** Text of Definition 1.1.

**1.1. Preliminary results**

**THEOREM 1.1.** *Text of Theorem 1.1 ....*

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

$$ax^2 + bx + c = 0. \tag{1.1}$$

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

**COROLLARY 1.1.** *Text of Corollary 1.1.*

**P r o o f.** Here comes the proof of Corollary 1.1. □

## 2. Second section of the paper

Text ... As seen in Section 1, the equation (1.1),  $a \neq 0$ , 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

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## 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.

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