

AIMS AND SCOPE

The primary topics of FCAA are:

- Fractional Calculus
- Special Functions and Integral Transforms, related to Fractional Calculus
- Fractional Order Differential and Integral Equations and Systems
- Mathematical Models of Phenomena, described by the above topics

Secondary topics of FCAA as Related Areas of Applied Analysis:

- Algebraic Analysis, Operational and Convolutional Calculi
- Generalized Functions, Harmonic Analysis
- Series, Orthogonal Polynomials, Special Functions of Mathematical Physics
- Numerical and Approximation Methods, Computational Procedures and Algorithms, related to the Primary FCAA topics
- Fractional Stochastic Processes
- Fractal and Integral Geometry

Applications of these techniques to:

- Differential and Integral Equations
- Problems of Mathematical Physics
- Control Theory, Mechanics, Probability and Statistics, Finances, Engineering, Biomedicine, etc.

Other contributions:

- If revealing connections between Fractional Calculus and the above-mentioned topics to model problems of the real physical and social world

Suggested MSC 2010 entries:

- 26A33; 33E12, 34A08, 34K37, 35R11, 60G22 (primary)
- 30C45, 30E15, 31B15, 33C60, 33E30, 34A25, 42A45, 42C10, 44A20, 44A35, 44A40, 45E10, 93B60, 93D09, 05C72, etc.

Sections:

- Research Papers
- Invited Surveys
- Archives (renewal publication of old or hardly accessible of significant interest for the journal's audience)
- Reviews on Books, Proceedings, etc.
- Announcements for New Books, Recent and Forthcoming Meetings, Anniversaries and other events related to FCAA
- Short Letters, Discussion Table, Open Problems

Submissions:

All submissions and queries should be sent electronically to:
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