

## Some open problems in fractional dynamics

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**Abstract:** Fractional calculus is an emerging and interesting branch of applied mathematics, which described the theory of derivatives and integrals of any arbitrary real or complex order [1, 2]. Fractional differential equations have gained much attention due to the fact that fractional order system response ultimately converges to the integer order system response. In this talk, we will discuss some open problems in the areas of discrete fractional calculus and fuzzy fractional differential equations.

**Keywords:** Fractional calculus; discrete fractional calculus; fuzzy fractional derivative.

**MSC 2010:** 26A33.

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### References

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