

## Special Issue

# Organic Matter in the Solar System: Pathways from Interstellar Matter to Insurgence of Life

### Message from the Guest Editors

The current Issue focuses on the organic matter in the Solar System, its origin, composition, evolutionary processes, and pathways to the insurgence of life. We are aiming to correlate results coming from very different targets and techniques, including those from the recent planetary missions to icy moons (Cassini, New Horizon), asteroids (Dawn), comets (Rosetta), with meteorites and interplanetary dust laboratory data, and spectral and microwave observations of exoplanets and ISM (Spitzer, ALMA). With the approaching sample returns from nearby asteroids (OSIRIS-Rex, Hayabusa2) and Mars, this is the right time to organize and correlate results derived from different investigation techniques: isotopic composition, anhydrous or aqueous alteration processes, and aliphatic (C-H) to aromatic (C-C) phase ratio are among the primary observables useful for determining if organic matter currently found in primitive bodies predates solar formation or if it was indeed processed more recently within the solar system.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2021)



## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
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