Special Issue

Comets: Tracers of Solar System Formation and Evolution—Celebrating the 20th Anniversary of Rosetta Mission Launch

Message from the Guest Editor

The Rosetta findings have brought cometary science to a new level. This Special Issue aims to gather current advances in various aspects of cometary science together with planetary formation theories. The Issue will focus on reviewing state-of-the-art cometary on the nuclei formation paradigm based on the Rosetta results while also taking into account data accumulated through studies over the past 20 years from observation, laboratory investigations and modeling results. This unique and timely collection of papers on the role of comets in the Solar System's formation and evolution will be critical for identifying new scientific goals for the post-Rosetta era and future cometary space missions (e.g., Comet Interceptor). Furthermore, recent high-resolution ALMA observations of protoplanetary disks have raised interest in the study of solid bodies in disks at different scales, from sub-micrometric grains up to solid bodies hundreds of meters in size, for which dynamic evolution is governed by the interaction between the gas and dust in the disk. Such observations shed light on the formation and migration scenarios of comets in planetary systems.
https://www.mdpi.com/si/132261

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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.

Editor-in-Chief

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