

Special Issue

The Role of Black Hole Growth in Galaxy Formation and Evolution

Message from the Guest Editors

This Special Issue on “**The Role of Black Hole Growth in Galaxy Formation and Evolution**” aims to explore the intricate relationship between supermassive black holes (SMBHs) and the formation and evolution of galaxies. We invite therefore research articles, reviews, and theoretical studies that address various related topics, including the mechanisms of SMBH formation and growth, and direct collapse, mergers, and accretion processes related to SMBHs. Additionally, we seek to investigate the impact of black hole growth on star formation rates, gas dynamics, and the overall morphological evolution of galaxies. Another key focus is on the feedback mechanisms by which energy and momentum from black holes influence galaxy evolution, including quasar feedback and active galactic nucleus (AGN) activity. We also encourage contributions that provide insights from cosmological simulations that incorporate black hole physics into galaxy formation models.

Guest Editors

Dr. Mojtaba Raouf

Leiden Observatory, Leiden University, P.O. Box 9513, 2300 RA Leiden, The Netherlands

Dr. Violette Impellizzeri

Sterrewacht Leiden, 2311 GP Leiden, The Netherlands

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Universe
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
universe@mdpi.com

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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

Prof. Dr. Lorenzo Iorio
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,
Italy

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