



## Extreme Ultraviolet Waves in Solar Corona

Guest Editor:

**Prof. Dr. Ruisheng Zheng**

School of Space Science and  
Physics, Shandong University at  
Weihai, Weihai 264209, China

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### Message from the Guest Editor

Dear Colleagues,

Extreme ultraviolet (EUV) waves are impressive coronal propagating disturbances that are best seen as intensity enhancements in EUV emission. EUV waves are also called “EIT waves”, “coronal bright fronts”, and “large-scale coronal propagating fronts”. EUV waves can provide potential diagnostics on coronal magnetic field strengths and coronal plasma parameters. Since the discovery of the first case, the EUV wave has been strongly debated in relation to the physical nature of a true wave or a pseudo wave. On the other hand, it is widely recognized that EUV waves are always associated with a variety of energetic eruptions, such as CMEs, flares, and filament eruptions. Benefiting from high resolution observations from the Solar Terrestrial Relations Observatory (STEREO) and the Solar Dynamics Observatory (SDO), an increasing number of EUV waves are being easily captured, including many small-scale cases that are associated with weak eruptions and present many new observational characteristics.





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*Galaxies* Editorial Office  
MDPI, St. Alban-Anlage 66  
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