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## Silicon Carbide: Material Growth, Device Processing and Applications

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Deadline for manuscript submissions:

**closed (20 April 2024)**

### Message from the Guest Editors

Owing to its superior performance and higher energy efficiency with respect to silicon, silicon carbide (SiC) plays a pivotal role in modern power electronics, where it can be used in energy conversion systems, electric vehicles, transportation, etc.

Although commercial SiC (the 4H-SiC polytype) material quality and device technology are already mature and a large variety of devices are already on the market, considerable efforts are still being dedicated to further improving device performance across several application areas. For this purpose, a deeper understanding of the material properties, processing issues and device physics is required, which can also pave the way for the applications in other fields, such as quantum technologies, sensing and detecting.

This Special Issue is aimed at collecting papers on silicon carbide, covering relevant aspects from material growth through to device processing and applications. For more information, please click into the special issue website at: [https://www.mdpi.com/journal/materials/special\\_issues/Silicon\\_Carbide\\_Mater\\_Growth\\_Device\\_Process\\_Appl](https://www.mdpi.com/journal/materials/special_issues/Silicon_Carbide_Mater_Growth_Device_Process_Appl)

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Dr. Mike Jennings  
*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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