

## Special Issue

# Advances in Carbon Fiber Reinforced Polymers (CFRPs)

### Message from the Guest Editors

Carbon fiber-reinforced polymers (CFRPs) have become advanced composite materials due to their exceptional strength-to-weight ratio, corrosion resistance, and outstanding mechanical performance. In this context, recent advances focus on optimizing manufacturing processes, such as automated fiber placement, and improving matrix materials to enhance their thermal and structural properties. Additionally, innovations in recycling technologies address the environmental impact of CFRPs, fostering sustainability and improving their lifecycle. Although the most common applications today are in the aerospace, automotive, and renewable energy sectors, where their versatility and growing demand have been demonstrated, there are other sectors in which CFRP can be used in many different ways, such as in medical technology, robotics, automation technology, measurement technology, and optics, as well as in the sports and leisure sector. This Special Issue aims to highlight the main advances in material development, processing techniques, manufacturing processes and applications, providing a comprehensive overview of CFRP innovation and future prospects.

### Guest Editors

Prof. Dr. Miguel Álvarez Alcón  
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Prof. Dr. Pedro Francisco Mayuet Ares

### Deadline for manuscript submissions

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### Editor-in-Chief

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