



fire



an Open Access Journal by MDPI

Advances in Fire Suppression

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Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Fire suppression has always been an important research area in fire science. In recent years, new issues have emerged with the development of clean and efficient fire suppression technology. For example, new halon alternatives have appeared in aircraft fire suppression research, but the related suppression mechanisms and system design methods still have problems. In the suppression of new energy fires, many widely used agents cannot effectively suppress the thermal runaway, and fires of energy storage equipment have attracted a great deal of attention. Compressed air foam fire-extinguishing technology has experienced rapid development. It is considered a very efficient fire-extinguishing method, but there are still problems in foam delivery and extinguishing performance evaluation. Ultrafine dry powder fire-extinguishing agents have shown the advantages of high fire suppression efficiency and suppression of reignition, but further research is needed regarding fire extinguishing concentration and effect. This Special Issue covers various research topics currently being investigated to provide this needed insight into fire suppression.



mdpi.com/si/125446

Special Issue