fire

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Technical Forum for Fire Science Laboratory and Field Methods

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Message from the Collection Editors

Since the 1950s, significant advances in wildland fire science have arisen due to research at combustion laboratories and during scaling and validation experiments in planned landscape fires. Often, calibration experiments, technical descriptions of methods and equipment, and descriptions of data go unpublished or are relegated to supplemental material. However, this can make it difficult for standards to be identified or for mistakes to be avoided by subsequent researchers. Furthermore, available data on physical properties such as thermal conductivity, bulk density, specific gravity, and heat of combustion are often difficult to find. This Topical Collection provides a permanent forum for wildland fire combustion laboratory and associated field researchers to share advances associated with data, equipment, and analytical methods.

We welcome articles, technical notes, reviews, perspectives and viewpoints, and conference papers. Articles should seek to validate or cross-compare a method or model using laboratory or in situ measurements.