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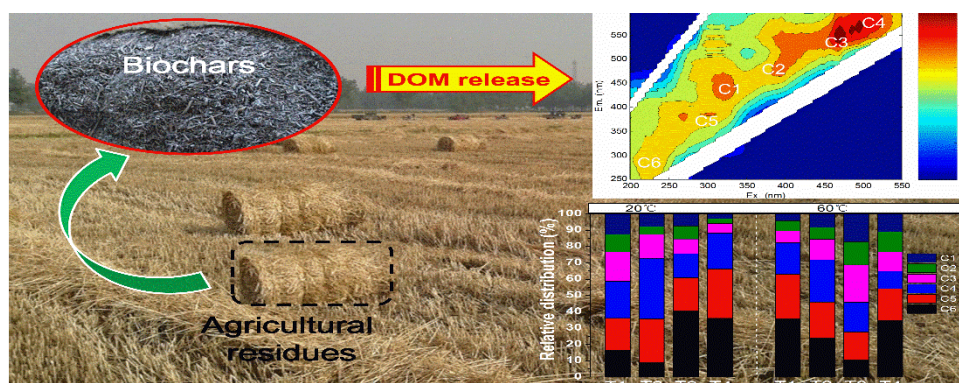
Predicting potential release of dissolved organic matter from biochars derived from agricultural residues using fluorescence and ultraviolet absorbance

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Graphical Abstract



Research Highlights

- EEM-PARAFAC and UV-Vis can be used to characterize DOM release by biochar.
- DOM release from biochar was significantly influenced by extracts and temperature.
- High DOM release would occur under the high temperature and alkaline conditions.
- DOM was mainly composed of humic acid-like and fulvic acid-like material.
- High temperature enhanced the high release of humic acid-like DOM from biochar.

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