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Diazo Chemistry

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Message from the Guest Editors

As an organic moiety consisting of two linked nitrogen atoms azo at the terminal position, diazo compounds were first produced by Peter Griess, who discovered a versatile new chemical reaction. The early application of diazonium compounds in multi-component reactions (MCRs) can be traced back to 1,3-dipolar cycloaddition reactions via metal carbene, which has been widely used and applied in the synthesis of various oxygen/nitrogen heterocyclic compounds. Today, the involvement of diazo in multicomponent reactions captured by active intermediates has been gradually recognized by chemists. For a century, progress has been made generally in asymmetric catalysis of such reactions. This is also one of the fields of diazo chemistry that is still worthy of continuous exploration.

This Special Issue welcomes the submission of unpublished manuscripts (original research papers or review articles) on all aspects of diazo chemistry and any organic synthesis that diazonium compounds involved.



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Special Issue



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Message from the Editor-in-Chief

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