

## A Passion for Nitrogen – Amine Functionalization, Sustainable Chemistry, and Bioactive Natural Products

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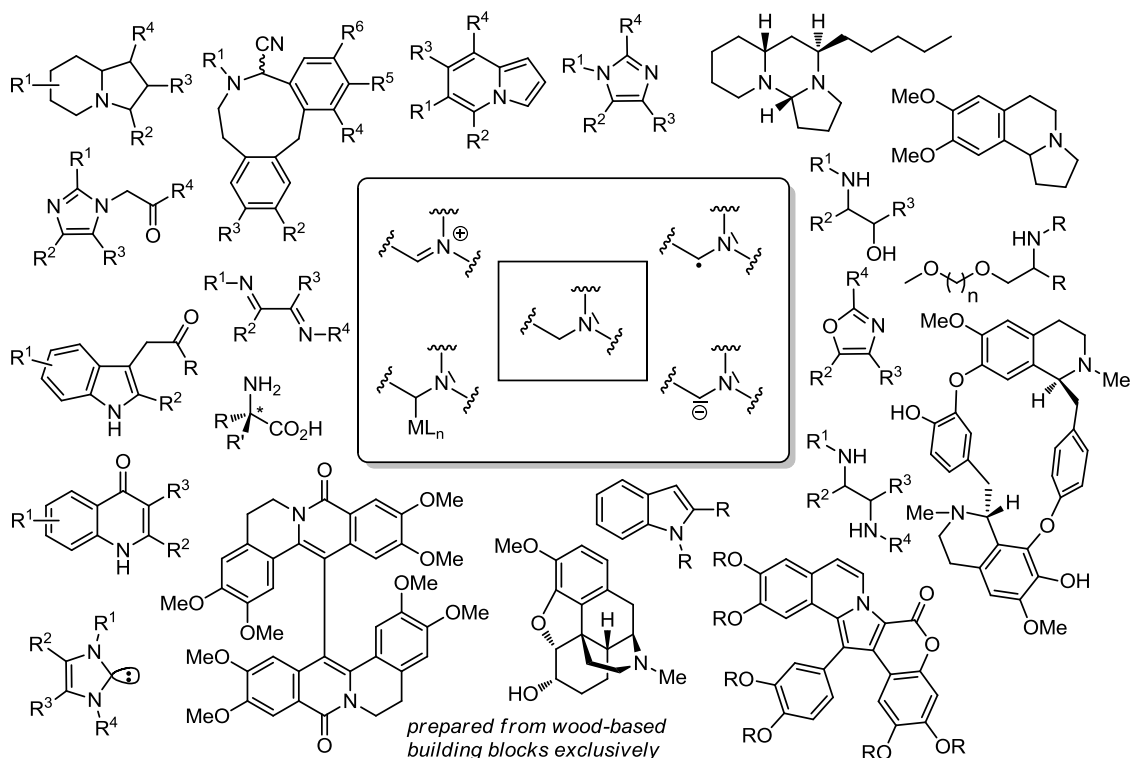
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### ABSTRACT

Basic nitrogen influences the reactivity of organic compounds in a characteristic fashion and stabilizes adjacent positive charges and unpaired electrons. It facilitates the insertion of metals into neighboring C–H bonds and even permits the formation of stabilized  $\alpha$ -aminocarbanions.<sup>[1]</sup> The application of these reactivity modes for synthesis and functionalization of heterocycles will be demonstrated.<sup>[2]</sup> Moreover, sustainable approaches towards natural products and other chemicals based on the same principles will be presented.<sup>[3]</sup>

### GRAPHICAL ABSTRACT



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