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Transition-Metal-Catalyzed C–N Formation and Its Application

Guest Editors:

Dr. Seoungtae Kim

Department of Chemistry,
Massachusetts Institute of
Technology, Cambridge, MA
02139, USA

Dr. Han-jun Ai

Department of Chemistry,
Massachusetts Institute of
Technology, Cambridge, MA
02139, USA

Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editors

Transition metal catalysis has enabled a wide range of organic transformations in an efficient and selective manner. The impact and importance of this approach have been demonstrated by the three Nobel Prizes awarded for developing new synthetic methods employing transition metals. Among the various bond-forming reactions that have been improved by utilizing transition metals, the C–N forming reactions are significant due to their prevalence in natural products, agrochemicals, pharmaceuticals, and organic materials. In particular, approximately 85% of commercially available pharmaceuticals contain amine functionality and are widely found in π -conjugated materials. Continued research on this method will further enrich the organic synthesis toolkit that can be utilized by researchers in various fields. We invite scientists to contribute research papers, reviews, and communications to the Special Issue entitled “Transition-Metal-Catalyzed C–N Formation and Its Application”. We believe that this Special Issue will attract widespread interest and inspire researchers to advance the field.



mdpi.com/si/193431

Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, Italy

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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