

Editorial

10th Anniversary of *Catalysts*: Molecular Catalysis

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Citation: Nomura, K.; Mancuso, R.; Ohkuma, T.; Ragaini, F.; Kotorá, M.; Grassi, A.; Redshaw, C.; Pombeiro, A.; Fujita, K.-i.; Capacchione, C.; et al. 10th Anniversary of *Catalysts*: Molecular Catalysis. *Catalysts* **2022**, *12*, 1584. <https://doi.org/10.3390/catal12121584>

Received: 30 November 2022

Accepted: 2 December 2022

Published: 6 December 2022

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On the occasion of this Special Issue, I would like to present an editorial message on this good occasion. While planning to organize this Special Issue among 12 editorial board members of *Catalysts*, in the Organic and Polymer Chemistry Section, we discussed how to organize it to improve in this special anniversary issue. We announced the Special Issue and accepted manuscripts related to molecular catalysis, including metal-catalyzed organic transformations (efficient organic synthesis), polymerization, mechanistic studies, and synthesis of functional polymers. This Special Issue consists of two review articles entitled “Oxidative Degradation of Pharmaceuticals: The Role of Tetrapyrrole-Based Catalysts [1]”, “Catalytic Hydrofunctionalization Reactions of 1,3-Diynes [2]”, and a perspective article, entitled “ α -Diimine Ni-Catalyzed Ethylene Polymerizations: On the Role of Nickel(I) Intermediates [3]”. As expected from the beginning, the scope in this section is broad, from homogeneous to heterogeneous catalysts.

For example, the Special Issue summarizes efforts in the area of homogeneous catalysts concerning iridium catalysts containing NHC ligands applied to the asymmetric transfer hydrogenation of ketones [4], synthesis of quinoxalines from glycerol and diamines [5], cross coupling for natural product synthesis [6], and palladium-catalyzed reductive carbonylation of nitro-styrene [7]. This Special Issue also introduces efforts entitled “Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-scorpionate onto magnetic nanoparticles [8]” and “5-(2-Pyridyl)tetrazolate complex of molybdenum(VI)” as precursors for reusable molybdenum oxide-based hybrid heterogeneous catalyst [9]. Moreover, this Special Issue introduces efforts concerning ring opening polymerization using Al and Zn complex catalysts [10], isospecific propylene polymerization by zirconium catalysts [11], and analysis of catalyst solution for ethylene copolymerization using XAS spectroscopy in solution [12].

On behalf of the Special Issue members, I would like to express our sincere thanks to those who submitted articles with good quality. I hope you can enjoy this Special Issue on this good occasion.

Funding: This research received no external funding.

Conflicts of Interest: The authors declare no conflict of interest.

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