

Special Issue

Multi-Step Syntheses in Biology & Chemistry

Message from the Guest Editor

Bio- and chemocatalysis are among today's key technologies that will shape not only the industrial landscape but also our daily lives in the future. A particular opportunity and, at the same time, a challenge is to combine various synthetic steps catalyzed by enzymes and/or man-made catalysts towards multi-step syntheses. The combination of individual steps for a compound synthesis can proceed in a sequential fashion with intermediate isolation of the product of interest or by merging these reactions within a one-pot cascade. Addressing these fascinating research areas, this Special Issue will focus on the fields of tailor-made bio-catalyst design and applications thereof, combination of biocatalysis and chemocatalysis, and synthetic biology towards multi-step syntheses from both an academic and an industrial perspective.

Guest Editor

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