



Quo Vadis Chemie

Sustainable Catalytic Transformation from Monofunctionalized Chemical Feedstocks



which will be delivered by

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on 23.10. at 15:00

the Lecture Hall CH2, the School of Chemistry Building, FoS CU, Hlavova 8, Praha 2

Abstract: Development of environmentally benign catalytic process for production of various fine chemicals from easily accessible chemical feedstock as starting materials.

High performance utilization of rare-metal resources as catalyst for achieving one-step, green, and energy-saving organic transformations of alkenes, alcohols, and amines by using low-valent Nb-, Ir-, and Pd-catalyzed transformations using simple will be reported. Synthesis of DMF-protected colloidal single-nano-sized metal nano-particles (Pd, Ir, Cu, Fe) and their use in highly active catalyst for cross-coupling reactions and transfer hydrogenation using methanol as C1 source will be mentioned as well.

