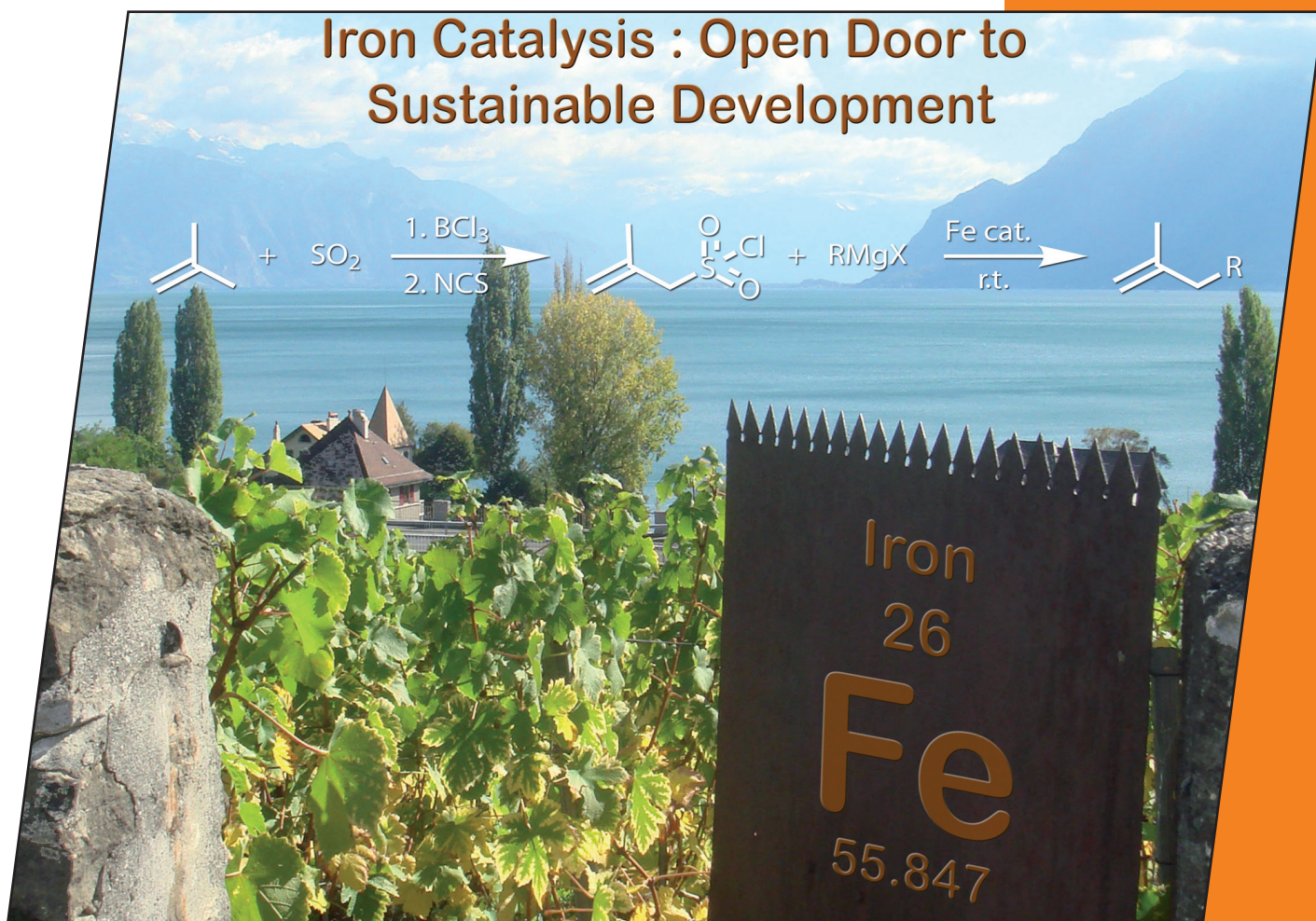
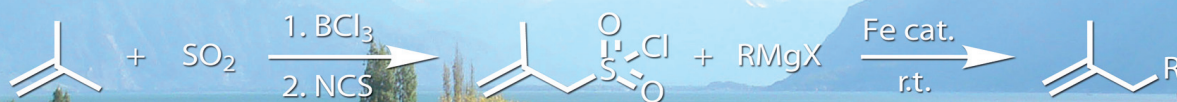




EurJOC

European Journal of
Organic Chemistry

Iron Catalysis : Open Door to Sustainable Development



Cover Picture

Pierre Vogel et al.

Ligandless Iron-Catalyzed Desulfinylative C–C Allylation Reactions

Microreview

Jan H. van Maarseveen et al.

Catalyzed Propargylic Substitution



A union formed by chemical societies in Europe (ChemPubSoc Europe) has taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the *European Journal of Inorganic Chemistry* and the *European Journal of Organic Chemistry*. Three further members of ChemPubSoc Europe (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows the iron door of the vineyard of Prof. Pierre Vogel in the Lavaux region, 12 km east of Lausanne along the Geneva Lake (Lac Léman) in Western Switzerland. This region is now part of the world heritage (UNESCO). The opened door symbolizes iron-catalyzed reactions and, in particular, a new allylation reaction of inexpensive Grignard reagents with alk-2-enesulfonyl chlorides obtained in a new way that is the endergonic H-ene reaction of sulfur dioxide with simple alkenes. The lake and the mountains in the background have been here for very long and will stay as such for much longer if civilization will concentrate on more sustainable development. Vineyards have existed in this area for more than 1200 years, and the grapes produced sometimes need a little sulfur dioxide to become a good wine (a practice that is ca. 8000 years old). The chemistry disclosed here uses sulfur dioxide for allylic C–H activation. The unstable alk-2-enesulfinic acids so obtained are oxidized with NCS to alk-2-enesulfonyl chlorides. The latter are then coupled with Grignard reagents under desulfonylation conditions and iron catalysis. Sulfur dioxide can be recovered. Details are discussed in the article by P. Vogel et al. on p. 6281ff.

