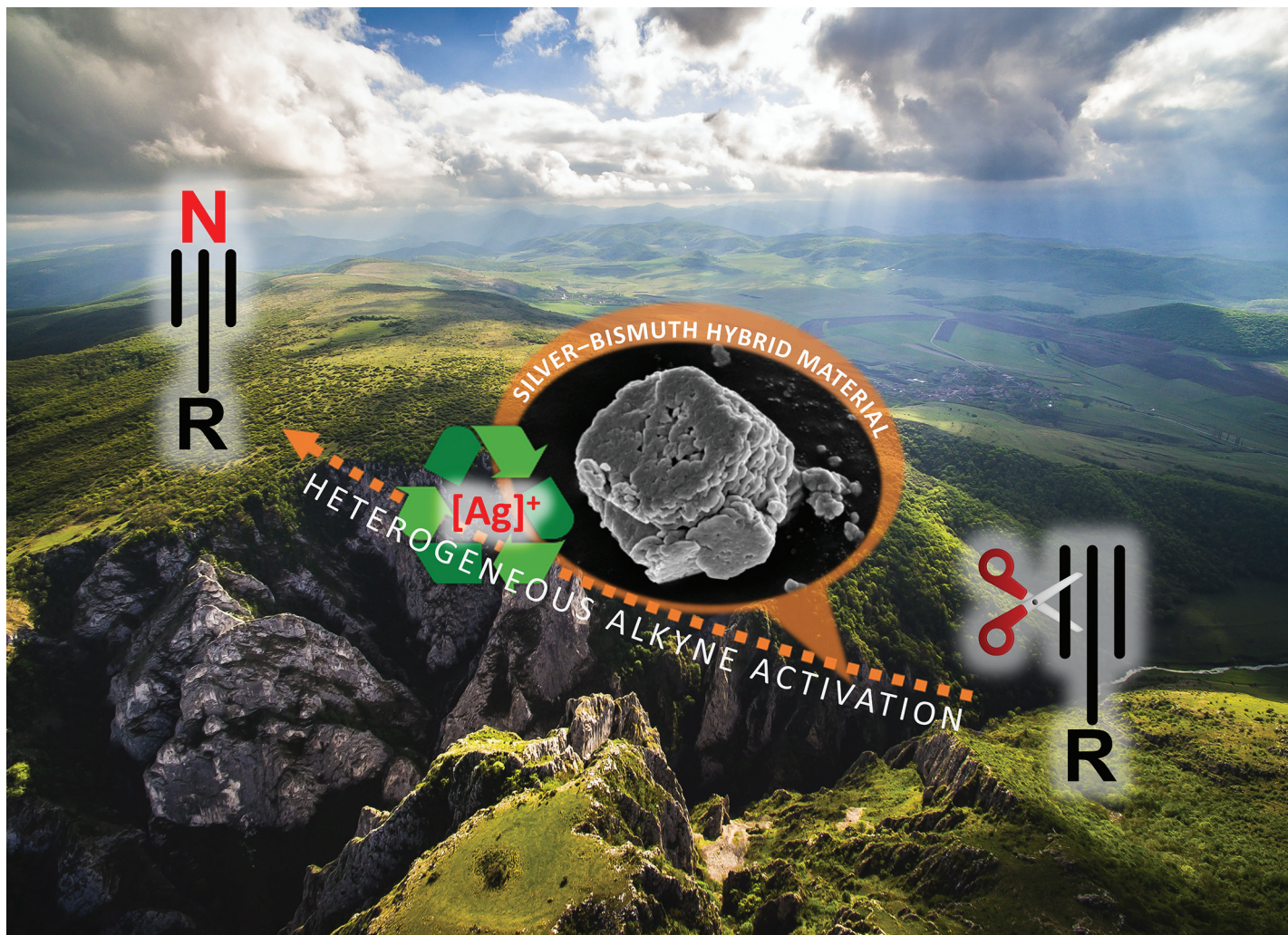




An article presented by Dr. Sándor B. Ötvös, Profs. István Pálinkó and Ferenc Fülöp *et al.* of the University of Szeged, Hungary.

A mineralogically-inspired silver–bismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes

A solid material with structurally-bound silver catalytic centers was designed. It showed remarkable activity in silver-catalyzed C≡C bond activation to yield organic nitriles directly from terminal alkynes with less environmental concerns than the classical methods. The heterogeneous nature of the reaction was demonstrated and the solid catalyst could be recycled numerous times without loss of activity and degradation of structure.

As featured in:



See Sándor B. Ötvös, István Pálinkó, Ferenc Fülöp *et al.*, *Green Chem.*, 2018, 20, 1007.



rsc.li/greenchem

Registered charity number: 207890