

## Editorial

Gabor A. Somorjai<sup>1</sup> · Hans-Joachim Freund<sup>2</sup>

Published online: 21 January 2017  
© Springer Science+Business Media New York 2017

Catalysis Science is undergoing major changes in broadening its molecular roots in the field of heterogeneous, homogeneous and enzyme catalysis. Moreover, there are signs of integration of those three fields. *Catalysis Letters* aims to help and to accelerate these changes, which promise to be directions in the future. In addition, electrocatalysis and photocatalysis, as they are aiding environmental science, water desalination, air and soil chemistry, are increasingly being utilized, and development of their the science base and its dissemination using *Catalysis Letters* and *Topics in Catalysis* is likely to accelerate. We would like to see papers in *Catalysis Letters* submitted that deal with specific photocatalytic and electrocatalytic problems evolving from the request to provide solutions to chemical energy conversion and have issues published in *Topics in Catalysis* by Guest Editors covering emerging fields in catalysis. Hydrogen storage for fuel cell applications and the science of lithium batteries bring energy storage towards molecular understanding for societal benefits. *Catalysis Letters* is publishing in-situ synthesis, molecular and atomic characterization of catalysts, that produce new molecules with various applications in health sciences and in chemical technologies. We as Editors encourage the broadening of the molecular science of catalysis in all its complexity or simplicity, which would foster its development by strengthening the scientific foundations of the discipline. We hope that catalysis science will be strengthened by publications

of papers at the frontier of the catalysis discipline and aim to accelerate the dissemination of frontier papers in the field of catalysis as we define it broadly to embrace all fields of heterogeneous, homogeneous, and enzyme catalysis. We would also encourage authors, when invited, to propose perspective views of emerging fields and aspects in the science of catalysis. Those will be published in *Catalysis Letters* prominently.

---

✉ Gabor A. Somorjai  
somorjai@berkeley.edu

<sup>1</sup> Department of Chemistry, University of California, Berkeley, USA

<sup>2</sup> Department of Chemical Physics, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany