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The 18th National Congress on Catalysis of China (18th NCC) was held October 16–20, 2017 in Tianjin, China. The 18th NCC was organized by the Catalysis Society of China, co-hosted by Tianjin University, Hebei University of Technology, and China National Offshore oil Corporation's Tianjin Research and Design Institute of Chemical Industry, and supported by SINOPEC Catalyst Company. The conference consisted of nine topics in the following parallel sessions: 1) Catalytic materials; 2) Characterization of catalysts; 3) New catalytic reactions; 4) Theoretical catalysis; 5) Catalysis in energy; 6) Catalytic conversion of biomass; 7) Environmental catalysis; 8) Catalytic synthesis of fine chemicals; and 9) Industrial catalysis.

This special issue entitled "New Insight of Environmental Catalysis" contains articles from selected presentations relevant to environmental catalysis at the 18th NCC that were professionally reviewed by a peer review process. The contributions cover a number of catalytic topics, including catalysts performance for degradation of pollutants in water, toluene oxidation, SCR and photocatalytic hydrogen evolution. We hope this special issue will provide valuable insights into environmental catalysis and will generate interests for the corresponding research in

both academia and industry.

The guest editors would like to thank all the catalyst scientists who contributed to this special issue and the reviewers for their effective advice for the improvement of submissions and would also like to express the sincere gratitude to Associate Editor of Catalysis Today Prof. Yongdan Li and the Elsevier team for supporting the publication of this special issue.

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