

## Special Issue

# State-of-the-Art Photocatalytical Technology in Asia

### Message from the Guest Editors

Photocatalysts can clearly demonstrate artificial photosynthesis for water splitting and conversion of carbon dioxide into useful fuel, as well as complete decomposition of volatile organic compounds (VOCs) and bacteria into mineralization. This Special Issue is going to be focused on “State-of-the-Art Photocatalytical Technology in Asia”. Fundamental exploration of the syntheses, characterizations, and applications in technological- and industrial-scale development of photocatalysts are of prime importance to this Special Issue. We welcome both review and original research articles on all aspects of heterogeneous and homogeneous photocatalysis. Topics include but are not limited to the following:

- Artificial photosynthesis for water splitting and reduction of carbon dioxide;
- Water and air treatment for decomposition of organic compounds and anti-bacteria;
- Titanium dioxide transparent film photocatalyst (self-cleaning, anti-fogging effects) and their related photofunctional materials;
- Visible light-responsive photocatalyst and new materials;
- Photoassisted fine organic synthesis.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2020)



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