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Recent Progress in Photocatalytic Water Splitting

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Message from the Guest Editors

Lignin valorization became last years an attractive area for producing aromatics, fuels and bio-based materials. Produced by paper industries, where it is used as energy, lignin upgrading to high added-value chemicals stays in its infancy. Developing efficient processes to produce aromatics, with the aim of enhancing the economical balance of biorefineries, remains a major challenge.

Thus, the development of catalysts, mainly heterogeneous, represent a very attractive area. When associated to processes, it represent therefore key investigations for developing further biorefineries by defining breakthrough technologies for the chemical industries.

It is a pleasure to invite you to contribute to this special issue of *Catalysts*. This special issue covers development of catalyst (heterogeneous and homogenous systems), processes through design and use of reactor including engineering aspects, industrial applications from demonstration plants to production implementations. While focused on heterogeneous catalysis, researches devoted to discovery of efficient homogenous systems are also strongly encouraged. Original research papers and review articles are welcome.