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Chemistry for sustainability study

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Chemistry provides a foundation for understanding various basic and applied scientific disciplines at a fundamental level. It appears that industry has been making the best use of chemistry science as it converts raw materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products, which are central to the modern world economy. However, for the sake of sustainability, we should pursue for not just chemical production but more importantly, environmental chemistry that is the study of chemical processes occurring in the environment which are impacted by mankind's

activities and the impacts may be felt through the presence of pollutants or toxic substances from various sources.

This talk presents several case studies of environmental degradation including water pollution and soil contamination. These cases require the profound knowledge of chemistry science for better solutions. Therefore, this presentation will serve as a call for further deep collaboration between environment conservation, chemistry science and business world.

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