Special Issue

Regeneration of Adsorbent by Catalytic Process

Message from the Guest Editors

Nowadays adsorption have become an interesting approach for the removal, in aqueous and gaseous streams, of pollutants and micropollutans of different nature. The process has several advantages such as its easy handle and the efficiency. However, a huge amount of spent adsorbents is generated and these solids become an environmental problem by their self. At the present time, the typical treatments for these hazardous solids, e.g., incineration, avoid their reuse. This fact increases the cost of the process and it is not environmental friendly. Consequently, the synthesis of effective adsorbents than can be regenerated and the regeneration of the adsorbents by efficient process become a solution for this environmental concern. This special issue is focused on the presentation of the different approaches related with this issue, centring the attention of the catalytic processes used for regeneration of the adsorbents.

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