

1. Structure of hydrodesulfurisation (HDS) catalysts.
2. Role of catalysis in the Green Chemistry.
3. Give examples of catalytic processes (catalysts and process conditions) used to produce environmentally friendly traffic fuel components including biocomponents.
4. What are the main differences between physisorption and chemisorption? How are these phenomena utilized in the characterization of various catalysts?
5. Potential catalysts in the conversion of carbon dioxide.