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Catalysis in Petroleum and Petrochemical Industries focuses on the use of catalysis in the Oil Refineries and in the Petrochemical Industries with particular reference to understanding the basic processes, development of appropriate catalysts, their characterization techniques, and laboratory scale studies on important chemical reactions having relevance to the Petroleum Industry. The 36 articles by prominent catalysis scientists as well as young researchers give attention to: · Catalysis for refining and fuel reformulation · Advances in natural gas conversion · Catalysis in petrochemical production · Catalysis for abatement of pollution in fuel combustion · Deactivation, recovery and reactivation of catalysts in refining and petrochemical production

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Photometric Detector in the Hydrodesulphurisation of Gas Oil and its Products/ Determination of Tin in Reforming Catalysts by WDXRF Technique/ Synthesis and characterization of Copper ethylenediamine complex in various zeolites/ Photopolymerization of Methyl Methacrylate using Semiconductor based Photocatalyst/ Adsorption and Catalytic Study of Montmorillonite/ Synthesis and characterization of some aluminophosphate molecular sieves/ Comparative evaluation of various Catalysts used for Removal of NO<sub>2</sub> from Air Streams/ Catalytic dewaxing over pentasil zeolite ZSM-5/ Study of acid sites of the zeolite ZSM-5/ Preparation and characterization of MCM-48 on stainless steel grids for possible industrial applications/ Catalytic Conversion of Cyclohexanol over modified binary Oxides of V and Mo/ Isopropylation of benzene over modified zeolites/ n-Hexane Hydroisomerization over Pt, Pd Loaded SAPO-5 and SAPO-11 Molecular Sieves/ Preparation, Characterization and Application of Aluminum Hydrogen Phosphate suitable for Developing ZSM-5 Additives/ Pd-Sulphonated Polysiloxane Catalyst for Etherification of FCC Light Gasoline/ Effect of Temperature, WHSV and Binder on the Selectivity of C<sub>2</sub>- C<sub>4</sub> Olefins from ethanol over Zeolite HZSM-5/ Oxidation of Ethyl benzene Catalyzed by soluble Cobalt (III) Complexes.