INSTITUTE FOR CHEMICAL AND METALLURGICAL PROCESS DEVELOPMENT

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The structure, properties, and performance of materials are influenced by the processes used during synthesis and fabrication. Development of the theoretical and practical requirements of these chemical and metallurgical processes are the focus of the institute. Drawing upon traditional hydro, pyro, and electrometallurgical processing operations, the institute investigates a wide range of materials that are of technological importance. Emphasis areas include, but are not limited to, electrochemical processing, corrosion, environmentally benign materials and processes, thin films and coatings, and surface modification technologies. Characterization and analysis of materials and processes using advanced experimental and computational techniques and state of the art equipment are emphasized.