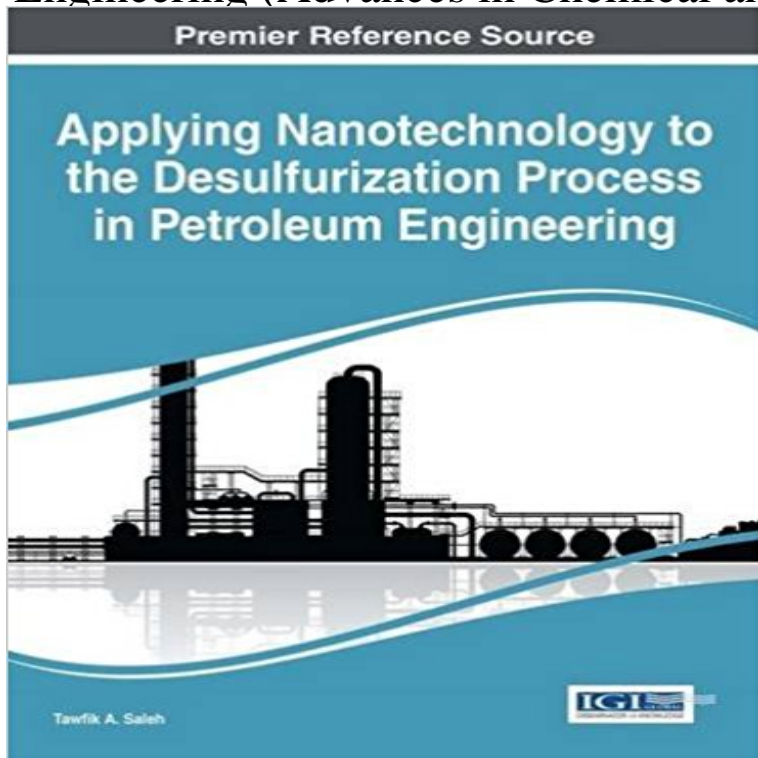


# Applying Nanotechnology to the Desulfurization Process in Petroleum Engineering (Advances in Chemical and Materials Engineering)



As regulations push the fossil fuel industry toward increasing standards of eco-friendliness and environmental sustainability, desulfurization (the removal of SO<sub>2</sub> from industrial waste byproducts) presents a new and unique challenge that current technology is not equipped to address. Advances in nanotechnology offer exciting new opportunities poised to revolutionize desulfurization processes. Applying Nanotechnology to the Desulfurization Process in Petroleum Engineering explores recent developments in the field, including the use of nanomaterials for biodesulfurization and hydrodesulfurization. The timely research presented in this volume targets an audience of engineers, researchers, educators as well as students at the undergraduate and post-graduate levels.

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