DESCRIPTION

Sequence stratigraphy is a powerful tool for the prediction of depositional porosity and permeability, but does not account for the impact of diagenesis on these reservoir parameters. Therefore, integrating diagenesis and sequence stratigraphy can provide a better way of predicting reservoir quality.

This special publication consists of 19 papers (reviews and case studies) exploring different aspects of the integration of diagenesis and sequence stratigraphy in carbonate, siliciclastic, and mixed carbonate-siliciclastic successions from various geological settings. This book will be of interest to sedimentary petrologists aiming to understand the distribution of diagenesis in siliciclastic and carbonate successions, to sequence stratigraphers who can use diagenetic features to recognize and verify interpreted key stratigraphic surfaces, and to petroleum geologists who wish to develop more realistic conceptual models for the spatial and temporal distribution of reservoir quality.

This book is part of the International Association of Sedimentologists (IAS) Special Publications.

The Special Publications from the IAS are a set of thematic volumes edited by specialists on subjects of central interest to sedimentologists. Papers are reviewed and printed to the same high standards as those published in the journal Sedimentology and several of these volumes have become standard works of reference.
**ABOUT THE AUTHOR**

Dr. Sadoon Morad is the ADOC Chaired Professor at the Petroleum Institute in Abu Dhabi.

Dr. Morad has given courses and performed consultant work and research collaboration with numerous oil companies around the world. His previous achievements include the development of conceptual models to predict the impact of diagenetic alterations on distribution of reservoir quality within sequence stratigraphy. He has published about 70 papers in international journals, currently serves as Associate Editor for Journal of Sedimentary Research and has edited three Special Publications in total.

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