

1. Record Nr.	UNISALENTO991001732209707536
Autore	Settia, Aldo
Titolo	Castelli e villaggi nell'Italia padana : popolamento, potere e sicurezza fra IX e XIII secolo / Aldo A. Settia
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Titolo	Arabian Plate and Surroundings: Geology, Sedimentary Basins and Georesources // edited by Sami Khomsi, François M. Roure, Mansour Al Garni, Ammar Amin
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Nota di contenuto	Part I: Sedimentary basins, petroleum resources and reservoirs in the Arabian plate High-resolution stratigraphic architectures, facies anatomies of the Lower Cretaceous Biyadh and Shu'aiba formations, and their implications on platform evolution and global correlation -- The Lower Cretaceous Chouf Sandstone of Lebanon: a regional reservoir level in the Levant? -- Seismic tectono-stratigraphy and hydrocarbon implications of lowstand deep marine Oligo-Miocene siliciclastic reservoirs in the Northern Levant Basin -- Source-to-sink analysis of the Plio-Pleistocene deposits in the Suez rift (Egypt). Part II: Geophysics and structural styles The Southern Atlas front in Tunisia: Regional-scale geometry and structural evolution. U-Pb zircon geochronology and geochemistry of some plutonic rocks from the Afif terrane of Saudi Arabia, Arabian Shield: implications for crustal evolution -- Aeromagnetic data investigation of Al-Shamiyya area, north east of Makkah quadrangle, Saudi Arabia. Part III: Hydrology,

hydrogeology and water resources Groundwater contamination of Wadi Haliy area, Southwestern Arabian Shield, Saudi Arabia -- Analysis of rainfall, missing data, frequency and PMP in Al-Madinah area, Western Saudi Arabia -- Hydrochemical assessment of groundwater within the Lower Wadi Ranyah, Western Saudi Arabia using multivariate statistical technique.

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### Sommario/riassunto

This book focuses on the evolution of sedimentary basins of the Arabian Plate and its surroundings. Because these sedimentary basins developed in various tectonic settings, from extensional or transtensional to flexural, transpressional or compressional, their sedimentary sequences provide unique records of the regional geology. Georesources of the Arabian Plate are also described here, including petroleum potential, reservoirs, water resources, fresh water and deep saline aquifers, as well as materials and ore deposits. The book is made by a set of papers authored by geoscientists working in both academia and industry. Numerous chapters describe some regional important geologic features and selected sedimentary basins from the Middle East, North Africa and the Arabian Peninsula domains. Other chapters focus on georesources. A particular focus is given to the geology of Saudi Arabia. This book is an important contribution to the geology of the Arabian Peninsula and its surroundings. In view of the strategic and economic importance of the regional geology and georesources of the Arabian Plate and Surroundings, this volume will constitute an important reference for a wide range of geoscientists interested in the geology of this region, especially those active in petroleum geosciences and related industry. Ultimately, readers will discover important thematic maps in this book.

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