

ABSTRACT

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The paper, entitled *Contribution to the prominence of the hydrocarbon deposits in the southern Romanian Black Sea Shelf (Histria Depression)*, brings a modest contribution to the knowledge of the formation's condition of the hydrocarbon deposits and, in it, one can find the statistical processing of petrophysical data in order to evidence the new oil deposits in the southern part of the Romanian shelf of the Black Sea (Histria Depression)

The doctoral paper is divided in two fundamental parts:

- The first one (Chapters 1, 2 and 3) is a general presentation of:
 - o Region's geology (stratigraphy and tectonic);
 - o Conditions of formation for the hydrocarbon deposits (source rocks, protective rocks, reservoir rocks, traps, migration processes);
 - o Presentation of the main oil structures in the Histria hollow (East Lebada, West Lebada, Pescarus and Sinoe oil fields);
- The second part (chapters 4 and 5) includes the study itself, the geostatistical processing of the data obtained from cores and geophysical interpretation and the approach to seismic sections to highlight the direct hydrocarbon indicators.

The conclusions drawn as a follow-up of this research, as well as the author's contribution are presented at the end of the doctoral paper.