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The Neogen-Quaternary evolution of the fluvial relief at the Russian Plain: a potamological review

The potamological investigations of the ancient rivers at the Russian Plain were performed at the basement of huge coring programs for hydrotechnical and hydrogeological purposes in 1940s-70s and geological mapping in 1980s-90s. The main compilations by Goretskiy (1966-82), Obedientova (1975), Aseev (1959), Grishchenko (1976), Iosifova (1999), Popov (1987) allow to reconstruct the main traces of the fluvial relief evolution during the last 6 million years. This long-term river valley history is retraced in the context of the Climate changes, Caspian and Black seas level oscillation and the Quaternary continental glacier dynamics.