Gélua age (Latter Homerian: Silurian) is important interval of time during which occurred one of the major episodes of mass extinction, when many clades of marine organisms were affected. In this study we investigated stratigraphic series of gamma log in Viduklė-61 well. In order to test the possibility of presence of sedimentary cycles we applied Wavelet and other time series analysis techniques. As a result we revealed two cyclicities with different periods – one 16.7 and other 6.7 m long cycles. Based on our calculations, those cyclicities are best explained as caused by two Milankovitch eccentricity cycles (400 and 100 ka). If this interpretation is true, then it gives us a good tool, to understand tempo of *lundgreni* extinction event and subsequent biotic recovery.

**Keywords:** wavelet, gamma-log, Gélua Regional stage, Silurian, Lithuania.

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**A revised correlation of Lower Ordovician sedimentary rocks in the Central Iberian Zone (Portugal and Spain)**

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Widespread Lower Ordovician sandstones (Armorican Quartzite facies) initiated a passive margin sedimentation in the late Floian over a huge area of SW Europe. Their deposition ended during Dapingian to early Darriwilian times. Precursors of the Armorican Quartzite were deposited behind the border of a rift system, leading to the formation of conglomeratic fans associated to the fault planes of tilted blocks generated during the rifting on the Cadomian basement. ?Tremadocian deposits, coeval with volcanic events, were also recorded across this extensional basin. A general scarcity of sedimentological studies or other elements aiding the correlation and a more accurate reconstruction of the basin architecture is also emphasized.

**Keywords:** Lower Ordovician, Central Iberian Zone, Lithostratigraphic correlation, Armorican Quartzite, Toledanian Unconformity.

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**Progress of the Permian Timescale**

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The Permian Period ranged from 298.9 Ma to 252.2 Ma based on latest radiometric ages in southern Urals and south China and comprises three series and nine stages. Among the three undefined GSSPs, a vote for the Kungurian-base GSSP candidate is ongoing and proposals for the Sakmarian-base and Artinskian-base GSSPs are expected to be completed within one year. The Permian timescale has been greatly improved in resolution recently.

**Keywords:** Permian, GSSP, timescale, correlation, biostratigraphy, chemostratigraphy.