Westphalian-Stephanian macrofloras of the Southern Pennines Basin, UK

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Abstract
The southern part of the Pennines Basin (Warwickshire, South Staffordshire and Wyre Forest coalfields) has a condensed succession of middle Langsettian to upper Asturian or lower Cantabrian strata. The Langsettian-\nDuckmantian part of the succession is in a grey coal-bearing facies, in which many coal seams have become vertically accreted, and in which macrofloras of the Laveineopteris loshii Subzone, Lonchopteris rugosa Zone and Neuropteris semireticulata Subzone can be recognised. Species composition and Total Species Richness diversity curves compare well with those from the Central Pennines Basin to the north, suggesting that they represent an essentially unified area of vegetation. Red beds of the Etruria Formation appear in the lower Bolsovian Substage (stratigraphically lower in the marginal southernmost part of the basin). The Etruria Formation macrofloras are not a…

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