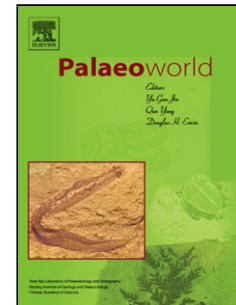


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Authors: Qiu-Lai Wang, Tamara I. Nemyrovska, Dieter Korn



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**Correlation of conodont and ammonoid successions across the Viséan–  
Serpukhovian boundary — a review of occurrences in the South Urals,  
Cantabrian Mountains, western Ireland and the Rhenish Mountains**

Qiu-Lai Wang<sup>a, b, c \*</sup>, Tamara I. Nemyrovska<sup>d</sup>, Dieter Korn<sup>c</sup>

<sup>a</sup> CAS Key Laboratory of Economic Stratigraphy and Palaeogeography, Nanjing  
Institute of Geology and Palaeontology, Chinese Academy of Sciences, 39 East  
Beijing Road, Nanjing 210008, China

<sup>b</sup> University of Chinese Academy of Sciences, 19A Yuquan Road, Shijingshan  
District, Beijing 100049, China

<sup>c</sup> Museum für Naturkunde, Leibniz-Institut für Evolutions- und  
Biodiversitätsforschung, Invalidenstraße 43, 10115 Berlin, Germany

<sup>d</sup> Institute of Geological Sciences, National Academy of Sciences of Ukraine, O.  
Gonchar Str. 55-b, 01601 Kiev, Ukraine

\* Corresponding author at: Nanjing Institute of Geology and Palaeontology, Chinese  
Academy of Sciences, Nanjing 210008, China. Tel.: +86 25 83282218.

*E-mail addresses:* qlwang@nigpas.ac.cn (Q.L. Wang),  
tamaranemyrovska@gmail.com (T.I. Nemyrovska), dieter.korn@mfn-berlin.de (D.  
Korn)

**Abstract**

*Lochriea zieglerei* is the conodont species that bears the highest potential to be the  
index for the base of Serpukhovian. Proposed phylogenetic lineages within the genus  
*Lochriea*, particularly the lineage *L. nodosa*–*L. zieglerei*, can be confirmed by the  
latest studies of the succession of the respective species in sections of north-western  
Ireland and the Rhenish Mountains of Germany; in these regions the first occurrence  
datum (FOD) of *L. zieglerei* is in the P2a zone or the comparable *Neoglyphioceras*  
*auerlandense* ammonoid zone. In the Cantabrian Mountains and the South Urals, the  
FODs of *L. zieglerei* are possibly located within ammonoid zones characterized by the

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