

Fusulinid Biostratigraphy of the Late Paleozoic Strata in the Danyang, Jeongseon, and Yeongweol Coalfields, Korea

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A total number of 104 species belonging to 21 genera of fusulinids are described and identified from the Carboniferous–Permian strata of the Danyang, Jeongseon, and Yeongweol coalfields, Korea, and five fusulinid biostratigraphic zones are established, viz, the *Eostaffella*–*Pseudostaffella*, *Profusulinella*, *Beedeina*, *Hanostaffella*–*Fusulina*, and *Pseudoschwagerina*–*Pseudofusulina* Zones in ascending order. These fusulinid zones are arranged from the two fusulinid zones in the Danyang coalfield, two fusulinid zones in the Jeongseon coalfield, and five fusulinid zones in the Yeongweol coalfield. Especially the Bamchi equivalent formation is found from the Hoedongri area of the Jeongseon coalfield.

The five fusulinid zones in the study area are correlated with those of Russia, China, Japan, and North America and with the chronostratigraphic units of the standard Eurasian stratotype as follows, viz, the *Eostaffella*–*Pseudostaffella* Zone is correlated with the Bashkirian Series, the *Profusulinella* and *Beedeina* Zones with the early Moscovian Series, *Hanostaffella*–*Fusulina* Zone with the late Moscovian Series, and the *Pseudoschwagerina*–*Pseudofusulina* Zone with the Sakmarian Series. *Triticites*, Upper Carboniferous index fusulinid, has never been found so far in the study areas. It is suggested to have been a considerable time break representing as paraconformity between the *Hanostaffella*–*Fusulina* Zone and the *Pseudoschwagerina*–*Pseudofusulina* Zone.