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Iranella , Paralecina

:

Introducing of the New Genera and Species of Fusulinacea in the Permian Rocks, Shirgesht Area

A. Taheri* and H. Vaziri Moghadam**

Abstract

Fusulinacea are numerous and diverse in the Permian rocks of Iran. In Shirgesht area (Baghe-Vang section), the lower part of the Jamal Formation is composed of shale, marl and intercalation of biogenic limestones. The limestone beds contain numerous Schwagerinids, including the Bolorian species. In the upper part, with increasing water depth, the abundance of fusulinids decrease and only small fusulinids (family Ozawainellidae) are present. The textural rocks and accompany of sponge spicules and radiolaria indicate a relatively deeper marine environment for deposition of the sediments. Detailed study of schwagerinid of the basal section has led to the introduction of new genus of Iranella and Paraleeina. This genus is similar to Paraschwagerina, except the fact that Paraschwagerina lack cuniculi and are not found in sediments younger than Sakmarian.

Key words: Permian, Fusulinid, Iranella, Shirgesht area

(Ross,

.1985)

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(Braisner,

.(Ross, 1995)

.1995a)

.(Ozawa, 1987)

.(Ross, 1967; Loeblich and Tappan, 1988)

.(Ross, 1995)

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(Ruttner et al., 1968)

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(Geinitzina)

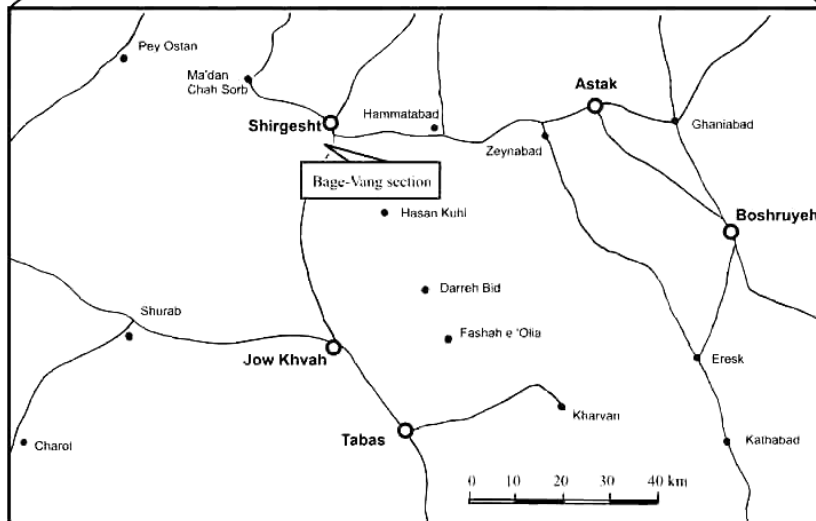
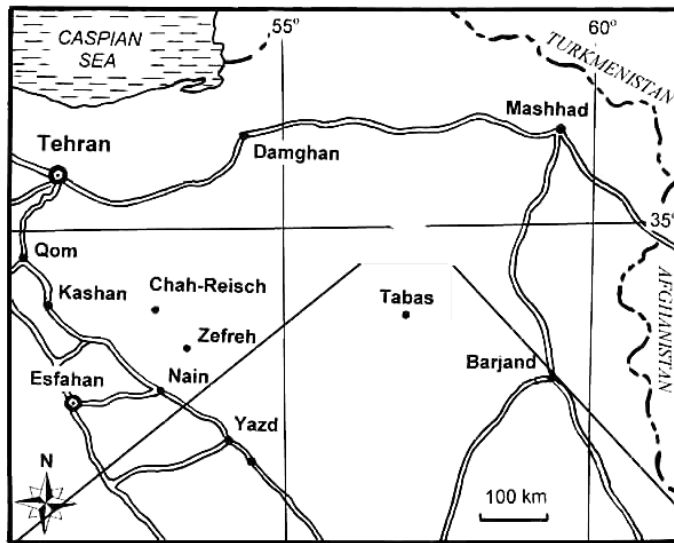
..... (Paleotextularia)

(Tetrataxis)

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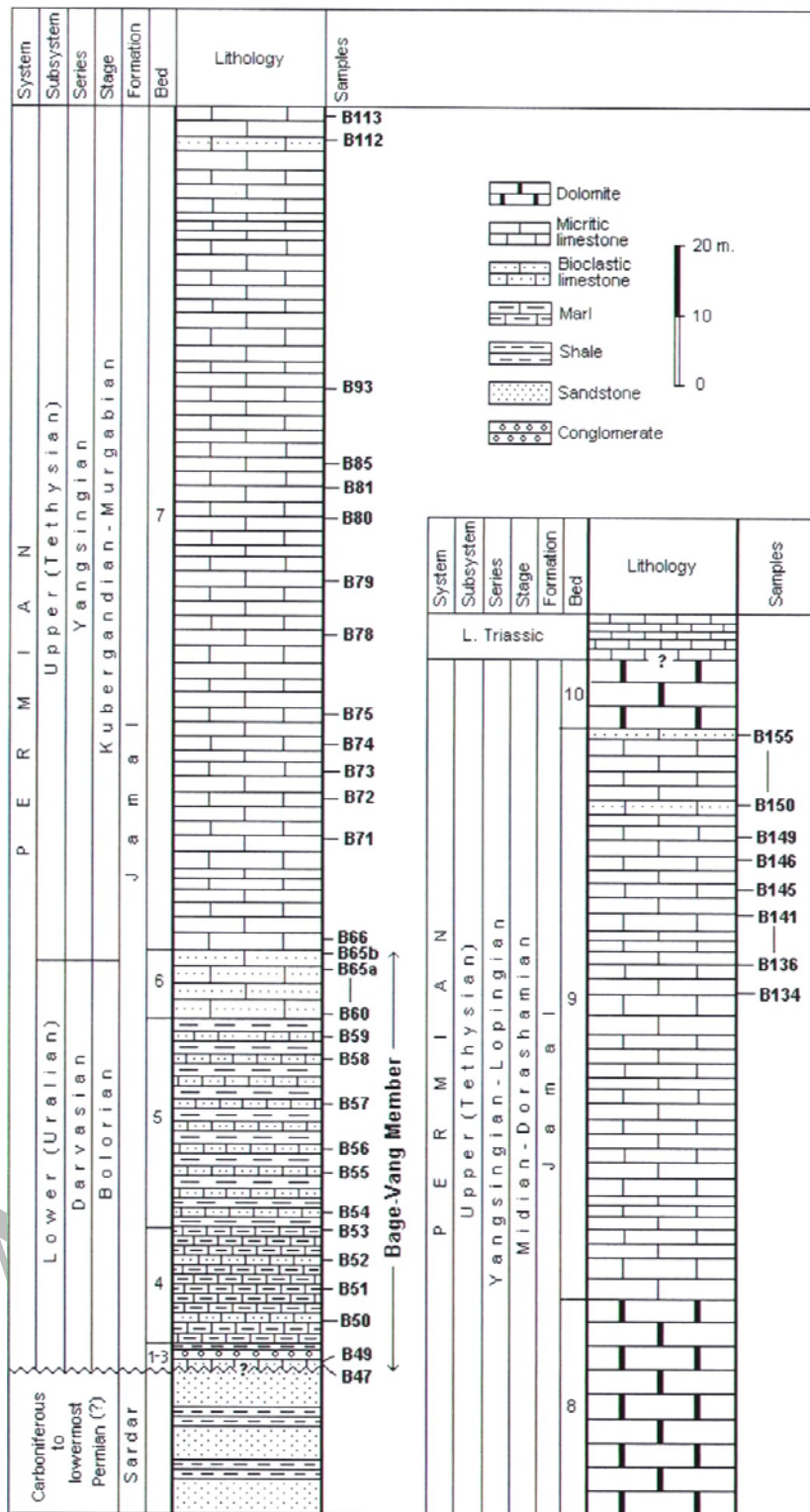
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Chalaroschwagerina vulgariformis

Chalaroschwagerina

vulgariformis,

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Paraschwagerina shuleri

Williams, 1963

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Iranella bella

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Iranella longa

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Schwagerina hyperborea

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(B47-B65)

(Salter)

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Iranella orbiculata

Iranella pauca

Rauser-Chernousova

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Iranella bella n. sp.
(Plate 1:Fig.6-7)

Order Schwagerinidae Solovieva, 1985
Genus Iranella
Type- species: Iranella bella n. sp.

)Etymology. Bellus (lat.)- beautiful.

Material.2 axial sections.

Paraschwagerina

() shuleri Williams

Iranella bella

Iranella longa
(Plate 2:Fig.1-3)

Iranella pauca
(Plate 1:Fig.3-5)

1974 Schwagerina hyperborea (Salter) sensu Kahler, p. 95-96, pl.1, fig.10.

Etymology. Longus (lat.)-long

Material.5 axial sections.

Etymology. Paucus (lat.)-little, few
Material. 7 axial section.

Order Schwagerinidae Solovieva, 1985

Genus Paraleeina

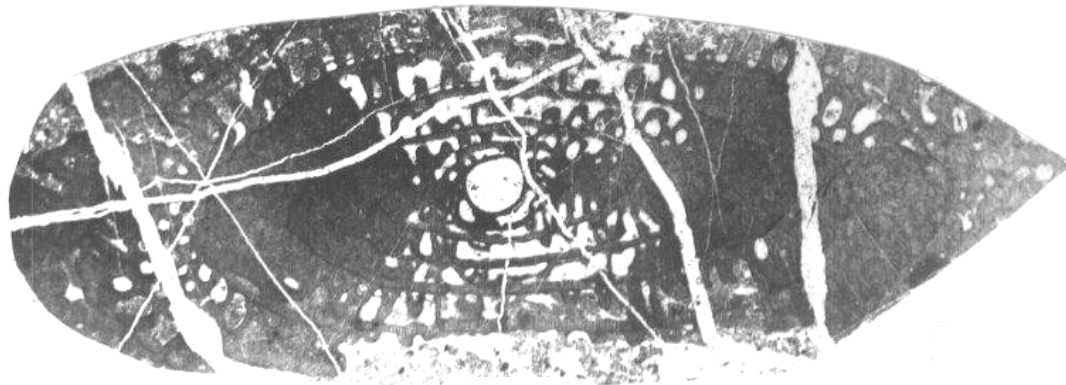
(A, B)

Type-species: *Leeina postkrafftii* (Leven,1967).

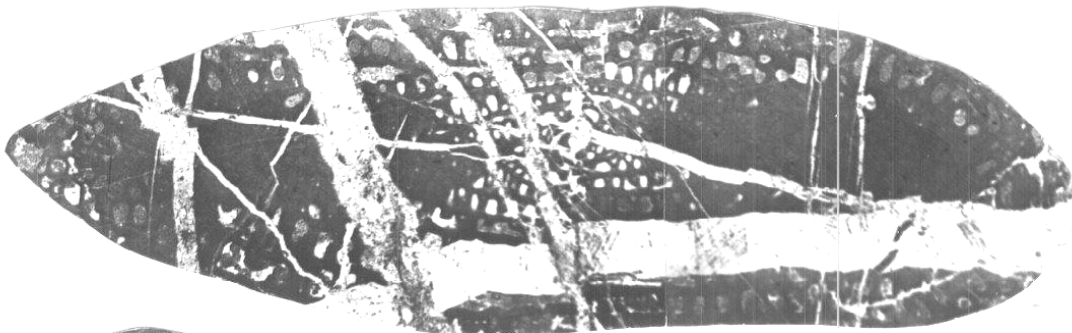
Iranella orbiculata
(Plate 1:Fig.1-2)

Etymology. Orbicularis (lat.)-rounded.

Material. 3 axial sections.



A



B

A, B *Paraleeina edoensis* (Ozawa).X10

(Parafusulina)

(Skinnerella)

(Leeina)

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Genus Genus Iranella n.gen.

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Paraleeina n.gen.

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