

**MIDDLE JURASSIC FLORA FROM THE HOJEDK FORMATION OF TABAS, CENTRAL-EAST IRAN: BIOSTRATIGRAPHY AND PALAEOCLIMATE IMPLICATIONS**

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**Supplementary information**

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Localities	Alborz														Binalud			Kerman Basin			Tabas area		
	Jafar Abad/ Mazin/Kouchekali	Babuzo	Hashooni mine	Dashite-Khak	Pabdana	Bazehowz	Shardiz	Gohmakan	Ferizi	Djam	NE Shahind	Rudbarak	Vasekgah	Balaadeh/Iva/Ahan	Hiv	Khatumbargah	Tiar	Apun Valley	Karmozd	Sangrud	Tazreh	Zirab	
Authors	1- Kilpper (1964), 2- Kilpper (1968), 3- Alavi & Barale (1970), 4- Kilpper (1971), 5- Barnard & Miller (1976), 6- Sadovnikov (1976), 7- Corsin & Stampfli (1977), 8-Fakhr (1977), 9- Sadovnikov (1984), 10- Sadovnikov (1991), 11- Schweitzer & Kirchner (1995), 12- Schweitzer & Kirchner (1996), 13- Schweitzer <i>et al.</i> (1997), 14- Schweitzer & Kirchner (1998), 15- Schweitzer <i>et al.</i> (2000), 16- Schweitzer & Kirchner (2003), 17- Vaez-Javadi & Pour-Latif (2004), 18- Vaez-Javadi & Mirzaci-Ataabadi (2006), 19- Vaez-Javadi (2008), 20- Schweitzer <i>et al.</i> (2009), 21- Saadatnejad <i>et al.</i> (2010), 22- Vaez-Javadi (2011), 23- Vaez-Javadi (2012), 24- Vaez-Javadi & Abbasi (2012), 25- Popa <i>et al.</i> (2012), 26- Vaez-Javadi (2014), 27- Vaez-Javadi & Allameh (2015), 28- Vaez-Javadi (2015)	26, 28	26	12, 15	18, 19	18, 19	11, 18, 19	27	21	17, 19	7, 11, 15, 20	22	5, 16	19, 24, 25	8, 12, 14, 15	5, 15, 16, 20	23	14, 20	1, 6, 20	11, 12, 14, 15, 16, 20	4, 6, 9, 10, 11, 14, 15	1, 2, 4, 6, 8, 11, 12, 13, 14, 15, 16, 20, 22, 23,	26
Species	Age	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
<i>Equisetites beanii</i>	early Middle Jurassic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
<i>Coniopteris hymenophylloides</i>	Middle Jurassic	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
<i>Coniopteris murrayana</i>	Uppermost Early- Middle Jurassic	*	*	*																		*	
<i>Klukia exilis</i>	Middle Jurassic	*		*		*		*														*	
<i>Sagenopteris nilssoniana</i>	Early- Middle Jurassic																					*	
<i>Ctenozamites cycadea</i>	Middle- Late Jurassic	*	*	*			*															*	
<i>Nilssonia bozorga</i>	Uppermost Early- Middle Jurassic			*			*															*	

Tab. 1a - Stratigraphic range and palaeogeographic distribution of the plant macrofossils in the Middle Jurassic throughout Iran.

Tab. 1b - Stratigraphic range and palaeogeographic distribution of the plant macrofossils in the Middle Jurassic throughout Iran.

<i>Nilssonia feriziensis</i>	Uppermost Early-Middle Jurassic						*	*	*	*	*		*	*
<i>Nilssonia rigida</i>	Early Jurassic	*							*				*	
<i>Nilssonia macrophylla</i>	Middle Jurassic							*					*	*
<i>Nilssonia tazarensis</i>	Late Rhaetian-Middle Jurassic	*							*	*			*	*
<i>Nilssonia undulata</i>	Rhaetian-Middle Jurassic	*	*	*				*	*	*	*		*	*
<i>Otozamites harrisianus</i>	middle Early-Middle Jurassic	*	*	*					*					
<i>Ptilophyllum harrisianum</i>	Uppermost Early-Middle Jurassic			*	*				*	*			*	*
<i>Ptilophyllum pecten</i>	Middle Jurassic	*	*							*				
<i>Ptilophyllum vasekgahense</i>	Middle Jurassic	*				*				*				
<i>Ginkgoites buttonii</i>	Late Early-middle Jurassic				*				*				*	
<i>Ginkgoites parasingularis</i>	Early-Middle Jurassic	*	*		*	*			*	*		*	*	*
<i>Sphenobaiera longifolia</i>	Early-Middle Jurassic			*					*					*
<i>Elatides thomasii</i>	Middle Jurassic	*	*		*							*	*	*
<i>Podozamites distans</i>	Rhaetian-Middle Jurassic	*		*	*	*			*	*	*	*	*	*

Tab. 2 - Stratigraphic range and palaeogeographic distribution of the studied taxa throughout the world.

Occurrence	Authors	Age	Species
Tallbrager (New South Wales)	Walkom (1921), White (1981)	Jurassic	
Kavitha Harbour, Cunio Bay (New	Edwards (1934), Arber (1917)	Jurassic	*
Montana, Oregon (U.S.A)	Ward (1900), Lapworth and Miller (1985)	M. Jurassic- E. Cretaceous	*
Höör, Pälsjö (Scania, Sweden)	Nathorst (1878, 1886), Halle (1908), Antevius (1919)	Rhaetian- E. Jurassic	*
Scroesby Sound (E Greenland)	Harris (1932)	E.-M. Jurassic	*
Yorkshire (England)	Bromhead (1829), Bumby (1851), Ziegler (1856), Phillips (1829, 1875), Seward (1898, 1900), Thomas (1912), Harris (1946, 1961, 1964, 1969, 1979), van Rachorbski (1890, 1894)	Middle Jurassic	*
Poland	Berger (1832), Pest (1838), Braun (1843)	M. Jurassic	*
Frankens (Germany)	Saporta (1872, 1891), Corsin (1950)	Rhaetian- M. Jurassic	*
Bassin de la Loire (France)	Duan (1987)	Rhaetian- E. Jurassic	*
Tuar-Kyr (Turkmenistan)	Dahman-i-Tor, Karkar, Ishimshita, Afghanistan	Middle Jurassic	*
Shukla (1955), Benda (1964)	Seward (1912), Sitholey (1940), Jacob & Brück (1957, 1953)	Middle Jurassic	*
Ferghana (E. Kazakhstan)	Prymada (1953), Delle (1967)	Mesozoic	*
Tkvarcheliian (Transcaucasia)	Sze (1933, 1949), Lee (1955), Wu et al. (1980)	Middle Jurassic	*
Kansu, Hupeh, Shensi, W. Hubei (China)	Thomas (1911), Prymada (1958), Vozenn-Serra & Franceschi (1999)	E.-M. Jurassic	*
Kamenka, Emba region	Sze (1952)	Jurassic	*
Mongolia	Kawasaki (1926)	Rhaetian	*
Quang-Nam, Hongay (Vietnam)	Vozenn-Serra & Franceschi (1999)	Jurassic	*
Tyosen (Korea)	Kawasaki (1926)	E. Cretaceous	*
Kuwashima (Japan)	Yokoyama (1890, 1906)	Jurassic	*
Isikawa (Daidō & Totori Series)	Kawasaki (1926), Ōishi (1940), Endo (1957)	M. Jurassic- E. Cretaceous	*
Japan			