

APENDYKS

LISTA OZNACZONYCH PALINOMORF LIST OF DETERMINED PALYNOMORPHS

SPORY / SPORES

- Anapiculatisporites spiniger* (Leschik) Reinhardt¹
Anapiculatisporites telephorus (Pautsch) Klaus (fig. 36/2; fig. 38/6)
Anapiculatisporites sp. (fig. 38/25)
Apiculatisporis cf. *firmus* (Leschik) Orłowska-Zwolińska (fig. 34/7)
Apiculatisporis parvispinosus (Leschik) Schulz
Apiculatisporis sp.
aff. *Apiculatisporis* sp. (fig. 34/21)
Apiculatisporites cf. *latigranifer* (Loose) Imgrund
Apiculatisporites sp.
aff. *Apiculatisporites* sp. (fig. 38/24)
Aratrisporites coryliseminis Klaus (fig. 37/28)
Aratrisporites crassitectatus Reinhardt
Aratrisporites fimbriatus (Klaus) Playford et Dettmann (fig. 37/29)
Aratrisporites flexibilis Playford et Dettmann (fig. 40/6)
Aratrisporites granulatus (Klaus) Playford et Dettmann (fig. 37/30)
Aratrisporites minimus Schulz
Aratrisporites palettae (Klaus) Playford et Dettmann
Aratrisporites paraspinosus Klaus
Aratrisporites scabratus Klaus
Aratrisporites sp. (fig. 38/28; fig. 39/29)
Baculatisporites verus Orłowska-Zwolińska
Baculatisporites sp. (fig. 34/8; fig. 37/24; fig. 39/3; fig. 39/24, 25; fig. 40/8)
Calamospora pedata Kosanke
Calamospora cf. *pedata* Kosanke
Calamospora tener (Leschik) de Jersey (fig. 38/3)
Calamospora sp. (fig. X3, 11; fig. 39/1; fig. 40/1, 16)
aff. *Calamospora* sp.
Carnisporites mesozoicus (Klaus) Mädlar
Carnisporites sp.
aff. *Carnisporites* sp. (fig. 37/26)
Chaetosporites pollensimilis (Horst) Butterworth et Williams
Cingulizonates bialatus (Waltz) Smith et Butterworth
Cingulizonates sp.
Conbaculatisporites mesozoicus Klaus (fig. 34/23; fig. 37/25)
Conbaculatisporites sp.
Coniopteris sp.
Corrugatisporites scanicus Nilsson (fig. 34/12; fig. 37/17)
Cyclotriletes granulatus Mädlar
Cyclotriletes microgranifer Mädlar
Cyclotriletes oligoanifer Mädlar
Cyclotriletes sp. (fig. 38/5; fig. 39/23; fig. 40/3)
Cycloverrutriletes presselensis Schulz (fig. 40/7)
Deltoidospora australis Couper (fig. 34/1)
Deltoidospora minor Couper (fig. 34/2)
Deltoidospora toralis (Leschik) Lund (fig. 34/3)
Deltoidospora sp.
Densoisporites holospongia Foster (fig. 40/4)
Densoisporites nejburgii (Schulz) Balme (fig. 38/27; fig. 40/9)
Densoisporites playfordii (Balme) Dettmann (fig. 40/5)
Densoisporites sp. (fig. 39/26)
Densosporites cf. *faunus* Ibrahim
Densosporites sp.
Diatomozonotriletes sp.
Dictyophyllidites mortoni (de Jersey) Playford et Dettmann
Dictyophyllidites sp.
Echinitosporites ilioides Schulz et Krutzsch (fig. 36/29; fig. 37/7)
Equisetumsporites sp. (fig. 34/6)
Eucommiidites microgranulatus (fig. 36/170)
Eucommiidites sp. (fig. 36/18)
Gleicheniidites senonicus (Ross) Skarby
Gleicheniidites sp.
Gordonispora fossulata (Balme) Van der Eem (fig. 38/26)
Granulatisporites sp.
aff. *Granulatisporites* sp.
Guttatisporites sp.

¹ Niekompletna dokumentacja fotograficzna poszczególnych taksonów palinomorf wynika z faktu częściowego lub całkowitego wyschnięcia preparatów palinologicznych.

- Heliosporites altmarkensis* Schulz (fig. 34/13)
Kraeuselisporites cf. *apiculatus* Jansonius (fig. 39/28)
Kraeuselisporites sp. (fig. 37/27; fig. 39/4; fig. 40/11)
Laevigatisporites sp. (fig. 40/17)
Lapposisporites sp.
 aff. *Leiotriletes* sp.
Leschikisporis aduncus (Leschik) Potonié
Lundbladispota willmotti Balme
Lundbladispota sp. (fig. 39/27)
Lycopodiumsporites carolinianum Linnaeus
Lycopodiumsporites semimuris Danzé-Corsin et Laveine (fig. 34/10)
Lycopodiumsporites sp.
Lycospora pusilla (Ibrahim) Potonié
Lycospora uber (Hoffmeister) Staplin
Lycospora sp.
Marattisporites scabratus Couper (fig. 34/11)
Microreticulatisporites opacus (Leschik) Klaus
Murospora intorta (Waltz) Playford
Murospora cf. *intorta* (Waltz) Playford
Murospora cf. *sublobata* (Waltz) Playford
Nevesisporites limatulus Playford
Porcellispora longdonensis (Clarke) Scheuring (fig. 34/24; fig. 36/3, 4, 21, 28)
Porcellispora sp. (fig. 37/6)
Pseudoanulatisporites polonicus Karczewska
Punctatisporites glaber (Naumova) Playford
Punctatisporites triassicus Schulz (fig. 40/2)
Punctatisporites sp. (fig. 38/4, 22)
 aff. *Punctatisporites* sp. (fig. 39/22)
Reticulatisporites sp.
Retitriletes sp.
 aff. *Retusotriletes* sp. (fig. 38/23)
Schulzospora sp.
Sphagnumsporites sp. (fig. 34/5)
Todisporites cinctus (Maliavkina) OrłowskaZwolińska (fig. 34/3; fig. 37/22)
Todisporites cf. *fissus* Bharadway et Singh
Todisporites minor Couper (fig. 36/1; fig. 37/12, 16)
Todisporites cf. *minor* Couper
Todisporites sp.
Trachysporites cf. *fuscus* Nilsson Nilsson
Trachysporites sp.
Tripartites cf. *incisotrilobus* (Naumova) Potonié et Kremp
Tripartites vetustus Schemel
Tripartites sp.
Triquitriteles trivalvis (Waltz) Potonié et Kremp
Verrucosisporites cf. *contactus* Clarke
Verrucosisporites marginatus (Mädler) Orłowska-Zwolińska
Verrucosisporites cf. *redactus* OrłowskaZwolińska
Verrucosisporites sp. (fig. 37/23; fig. 39/2)
 aff. *Verrucosisporites* sp. (fig. 34/17; 36/27)
Waltzispora cf. *polita* (Hoffmeister, Staplin et Malloy) Smith et Butterworth
Waltzispora sp.

ZIARNA PYŁKU / POLLEN GRAINS

- Accinctisporites ligatus* Leschik (fig. 37/31)
Aculeisporites sp. (fig. 39/5)
 aff. *Agathis* sp.
Alisporites toralis (Leschik) Clarke
Alisporites sp. (fig. 37/15; fig. 38/13; fig. 39/11)
Angustisulcites gorpil Visscher (fig. 39/16)
Angustisulcites grandis (Freudenthal) Visscher (fig. 37/32)
Angustisulcites klausii Freudenthal (fig. 38/19; fig. 39/17)
Angustisulcites sp.
Brachysaccus neomundanus (Leschik) Mädler (fig. 34/32; fig. 38/14)
Brachysaccus sp. (fig. 36/34)
Callialasporites dampieri (Balme) Dev (fig. 34/25)
Callialasporites segmentatus (Balme) Srivastava (fig. 34/26)
Callialasporites trilobatus (Balme) Brugman (fig. 34/27)
Callialasporites sp.
Cedripites microreticulatus OrłowskaZwolińska
Cedripites parvisaccata Sauer
Cedripites sp.
Cedrus libani Lavson
Chasmatosporites apertus (Rogalska) Nilsson
Chordasporites sp.
Classopollis meyeriana (Klaus) de Jersey
Classopollis simplex (DanzéCorsin et Laveine) Reiser et Williams
Classopollis torosus Reissinger
Classopollis sp.
Cordaitina donetziana Inossova
Cordaitina cf. *donetziana* Inossova (fig. 40/18)
Cordaitina uralensis (Luber) Dübner
Cordaitina sp.
Cupressaccites sp.
Cycadopites coxii Visscher (fig. 38/34; fig. 40/15)
Cycadopites follicularis Wilson et Webster
Cycadopites sp. (fig. 34/18)
Duplicisporites granulatus (Leschik) Klaus
Duplicisporites sp.
Echinitosporites iliacoides Schulz et Krutzsch
Ephedripites sp. (fig. 38/20)
Ellipsovelatisporites sp.
Enzonelasporites sp.
Eucommiidites major Schulz
Eucommiidites microgranulatus Scheuring (fig. 36/17)
Eucommiidites troedsonii Erdtmann
Eucommiidites sp. (fig. 36/18; fig. 37/4)
Falcisporites zapfei (Potonié et Klaus) Leschik
Falcisporites sp. (fig. 38/15)
 aff. *Falcisporites* sp. (fig. 34/33)
Gardenasporites leonardii Klaus
Gardenasporites sp.
Gibeosporites hirsutus (Leschik) Leschik
Gingkosporites sp.
Gnetacaeipollenites sp.
Hamiapollenites sp.

- Heliosaccus dimorphus* Mädlar (fig. 37/18; fig. 38/7)
Illinites chitonoides Klaus (fig. 38/18)
Illinites unicus Kosanke
Illinites sp.
Infernopollenites sulcatus (Pautsch) Scheuring (fig. 36/22; fig. 37/8)
 aff. *Infernopollenites sulcatus* (Pautsch) Scheuring (fig. 39/6)
Jugasporites delasaucei (Potonié et Klaus) Leschik (fig. 40/33)
Jugasporites paradelasaucei Klaus (fig. 40/34)
Jugasporites parvus (Klaus) Foster
Jugasporites purus (Leschik) Tiwari et Singh
Jugasporites sp.
Klausipollenites decipiens Jansonius
Klausipollenites cf. *minimus* Góczán (fig. 40/30)
Klausipollenites schaubergeri (Potonié et Klaus) Jansonius (fig. 40/31)
Klausipollenites staplinii Jansonius (fig. 39/12)
Klausipollenites sp. (fig. 37/33)
Labiisporites triassicus Orłowska-Zwolińska
Limitisporites moersensis (Grebe) Klaus (fig. 40/32)
Limitisporites rectus Leschik
Limitisporites sp.
Lueckisporites virkkiae Potonié et Klaus, norma Aa (NAa) wg Vis-schera, 1971 (fig. 40/24)
Lueckisporites virkkiae Potonié et Klaus Nab (fig. 40/25)
Lueckisporites virkkiae Potonié et Klaus NAc (fig. 40/26)
Lueckisporites virkkiae Potonié et Klaus NBa (fig. 40/27)
Lueckisporites virkkiae Potonié et Klaus NBb (fig. 40/28)
Lueckisporites virkkiae Potonié et Klaus NE (fig. 40/29)
Lunatisporites acutus (Leschik) Scheuring
Lunatisporites cf. *alatus* (Klaus) Scheuring
Lunatisporites cf. *albertae* (Jansonius) Fijałkowska
Lunatisporites gracilis (Jansonius) Fijałkowska (fig. 40/20)
Lunatisporites microsaccatus (Jansonius) Fijałkowska
Lunatisporites labdacus (Klaus) Fijałkowska (fig. 40/21)
Lunatisporites multiplex (Visscher) Scheuring
Lunatisporites noviaulensis (Leschik) Scheuring (fig. 39/32; fig. 40/22)
Lunatisporites cf. *noviaulensis* (Leschik) Scheuring
Lunatisporites rhaeticus (Schulz) Fijałkowska
Lunatisporites sp. (fig. 34/28; fig. 38/10; fig. 40/12)
 aff. *Lunatisporites* sp. (fig. 34/29)
Microcahyridites doubingeri Klaus (fig. 39/34)
Microcahyridites cf. *doubingeri* Klaus (fig. 39/13)
Microcahyridites fastidiosus (Jansonius) Klaus
Microcahyridites sittleri Klaus
Microcahyridites sp.
 aff. *Microcahyridites* sp. (fig. 38/16)
Minutosaccus gracilis (Scheuring) Orłowska-Zwolińska (fig. 36/11, 26; fig. 37/9)
Minutosaccus potonie Mädlar (fig. 36/12, 35)
Minutosaccus schizeatus Mädlar
Minutosaccus sp. (fig. 38/17)
Monosulcites minimus Cookson (fig. 34/19)
Monosulcites perforatus Mädlar (fig. 36/19)
Monosulcites punctatus Orłowska-Zwolińska (fig. 36/20)
Monosulcites sp. (fig. 34/20; fig. 37/5; fig. 38/34)
Nuskoisporites dulhuntyi Potonié et Klaus
Nuskoisporites klaus Grebe
Nuskoisporites sp.
Ovalipollis breviformis Krutzsch
Ovalipollis grebeae Klaus
Ovalipollis longiformis Krutzsch (fig. 36/5)
Ovalipollis lunsensis Klaus (fig. 36/30)
Ovalipollis minimus Scheuring (fig. 36/6)
Ovalipollis molestus Scheuring (fig. 34/30)
Ovalipollis cf. *notabilis* Scheuring
Ovalipollis ovalis Krutzsch (fig. 34/31; fig. 36/7, 8, 24, 31)
Ovalipollis rarus Klaus
Ovalipollis sp.
Paraillinites callosus Scheuring
Paraillinites vanus Scheuring
Paraillinites sp. (fig. 36/25; fig. 37/1, 10)
Partitisporites maljavkinae (Klaus) Van der Eem
Partitisporites tenebrosus (Scheuring) Van der Eem
Partitisporites sp. (fig. 36/16)
Piceapollenites sp. (fig. 34/34, 35)
Perinopollenites elatoides Couper (fig. 34/14)
Perisaccus granulatus Klaus
Perisaccus sp. (fig. 40/19)
Pinuspollenites minimus (Couper) Kemp (fig. 34/15)
Pinuspollenites sp.
Platysaccus leschiki Hart
Platysaccus niger Mädlar (fig. 39/19)
Platysaccus papilionis Potonié et Klaus (fig. 37/2; fig. 39/18)
Platysaccus sp.
Playfordiispora sp. (fig. 39/30)
Podocarpites sp. (fig. 34/16)
Podosporites amicus Scheuring
Potonieisporites sp.
Praecirculina sp.
Protohaploxyypinus latissimus (Luber et waltz) Samoilovich (fig. 40/23)
Protohaploxyypinus pennatulus (Andrejewa) Hart (fig. 39/7)
Protohaploxyypinus jacobii (Jansonius) Hart (fig. 39/33)
Protohaploxyypinus puntii Visscher (fig. 40/13)
Protohaploxyypinus samoilovichii (Jansonius) Hart
Protohaploxyypinus cf. *samoilovichii* (Jansonius) Hart (fig. 36/32)
Protohaploxyypinus sp. (fig. 36/33; fig. 37/14; fig. 38/11; fig. 39/8)
Pseudopodocarpites sp.
Spheripollenites sp.
Stelapollenites thiergartii (Mädlar) Clement-Westerhof
Striatoabietites aytugii Visscher (fig. 38/12)
Striatoabietites cf. *aytugii* Visscher (fig. 36/23)
Striatoabietites balmei Klaus (fig. 36/9; fig. 39/9)
Striatoabietites sp. (fig. 36/10; fig. 37/19)
Striatopodocarpites sp. (fig. 39/10)
Strimonosaccites sp.
Strotersporites richteri (Klaus) Wilson
Strotersporites wilsoni Klaus
Strotersporites sp.
Triadispora bôlchii Scheuring
Triadispora crassa Klaus (fig. 40/35)
Triadispora delicata Orłowska-Zwolińska

Triadispora keuperiana Orłowska-Zwolińska

Triadispora plicata Klaus (fig. 36/13; fig. 37/3; fig. 39/20)

Triadispora stabilis Scheuring

Triadispora suspecta Scheuring

Triadispora verrucata (Schulz) Scheuring (fig. 36/14, 15)

Triadispora visscheri (Visscher) Fijałkowska

Triadispora sp. (fig. 39/210)

aff. *Tsugaepollenites* sp. (fig. 38/9)

Vitreisporites pallidus Reissinger (fig. 40/14)

Vitreisporites sp.

Voltziaceasporites heteromorphus Klaus (fig. 39/14; 15)

Voltziaceasporites sp. (fig. 38/32)

AKRITARCHY / *ACRITARCHS*

Baltisphaeridium sp. (fig. 38/21)

Michrhystridium sp. (fig. 37/34)

Multiplicisphaeridium sp. (fig. 38/35)

Veryhachium hyalodermum (Cookson) Schaarschmidt (fig. 38/1)

Veryhachium reductum (Deunff) Jekhowsky

Veryhachium trispinosum Eisenack

Veryhachium sp. (fig. 37/20; fig. 38/2)