

Myxomycetes of Mezit Stream Valley of Turkey

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Abstract—The myxomycete diversity of the Mezit valley and vicinity was assessed from 1999 to 2002 in the Southern Marmara region of the Bursa and Eskişehir provinces of Turkey. Of the 36 species and 12 genera listed, 22 represent new records for the valley and surroundings. The ecology of the valley is briefly discussed.

Key words—Slime moulds, taxonomy, Mediterranean

Checklist of Mezit Stream Valley

Order CERATIOMYXALES

Famintzinia fruticulosa (O.F.Müll.) Lado

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 28.06.2002, on decaying moist stem of *Platanus orientalis*, C.E. 311.

Order LICEALES

Cribraria argillacea (Pers. ex J.F.Gmel.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 09.VII.1999, on decaying log, C.E. 185.

Cribraria aurantiaca Schrad.

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 11.VI.1999, on standing stem of *Platanus orientalis*, C.E. 182 & 09.VII.1999, on soggy wood of *Fagus orientalis*, C.E. 185.

Cribraria cancellata (Batsch.) Nann.-Brem.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.VII.1999, on decaying log from bank of the stream, C.E. 184.

Cribraria tenella Schrad.

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, on fallen twigs of *Fagus orientalis* from bank of the stream, C.E. 189.

Lycogala epidendrum (L.) Fries

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, on dead trunk of *Fagus orientalis*, C.E. 180; 11.VI.1999, on decaying wood, C.E. 182; between Mezit 3–Mezit 4 bridges, alt. 410, 11.VI.1999, on decaying wood, C.E. 183; Mezit 7–Mezit 8 bridges, alt. 650m, 25.VIII.2000, on dead trunk of *Fagus orientalis*, C.E. 198.

Lycogala flavofuscum (Ehrenb.) Rostaf.

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 28.06.2002, from hollow stem of *Platanus orientalis*, C.E. 311

Order PHYSARALES

Craterium minutum (Leers) Fr.

Bursa-Eskişehir road, Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 09.IX.1999, on fallen leaves of *Fagus* on forest floor, C.E. 190.

Physarum album (Bull.) Chevall.

Bursa-Eskişehir road, Mezit valley; Between Mezit 4–Mezit 5 bridges, alt. 440m, 09.VII.1999, on decaying soggy log (unidentified) from bank of the stream, C.E. 184; between Mezit 7–Mezit 8 bridges, alt. 650m, 09.VII.1999, on decayed twig of *Fagus* on forest floor, C.E. 185.

Physarum flavicomum Berk.

Bursa-Eskişehir road, Mezit valley, between Mezit 3– Mezit 4 bridges, alt. 410m, 09.IX.1999, on litter and twigs from *Fagus* on forest floor, C.E. 188.

Physarum viride (Bull.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 3–Mezit 4 bridges, alt. 440m, 09.IX.1999, on the decayed twigs of *Fagus* on wet forest floor, C.E. 189.

Order STEMONITALES

Stemonitis axifera (Bull.) T. Macbr.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.VII.1999, on driftwood near the stream bank, C.E. 184; between Mezit 7–Mezit 8 bridges, alt. 650m, 25.VIII.2000, on decaying soggy wood from bank of the stream, C.E. 198 & 01.IX.2000, on decaying soggy log (unidentified) from bank of the stream, C.E. 200.

Stemonitis flavogenita E.Jahn

Bursa-Eskişehir, Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 01.IX.2000, on decaying soggy wood, near bank of the stream, C.E. 200.

Stemonitis fusca Roth

Bursa-Eskişehir, Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, on soggy log (unidentified) near bank of the stream, C.E. 180.

Stemonitis herbatica Peck

Bursa-Eskişehir road, Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 01.IX.2000, on driftwood from bank of the stream, C.E. 200.

Stemonitis pallida Wingate in Macbride

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 410m, 11.VI.1999, on soggy wood from bank of the stream, C.E. 181.

Stemonitis smithii T. Macbr.

Bursa-Eskişehir road, Mezit valley, between Mezit 3–Mezit 4 bridges, alt. 410m, 09.IX.1999, on soggy wood from bank of the stream, C.E. 188.

Stemonitis splendens Rostaf.

Bursa-Eskişehir road, Mezit valley, between Mezit 3–Mezit 4 bridges, alt. 410m, 09.IX.1999, on soggy wood from bank of the stream, C.E. 188.

Stemonitis virginiensis Rex

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.VII.1999, on fallen trunk of *Fagus orientalis*, from sloping section of stream valley, C.E. 184; between Mezit 7–Mezit 8 bridges, alt. 650m, 01.IX.2000, on decaying wood from slopes of the valley, C.E. 200.

Stemonitopsis typhina (F.H. Wigg.) Nann.-Bremek.

Bursa-Eskişehir, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, on driftwood from bank of the stream, C.E. 189; between Mezit 7–Mezit 8 bridges alt. 650m, 09.IX.1999, on moist log (unidentified) near bank of the stream, C.E. 190, between Mezit 3–Mezit 4 bridges, alt. 410m, 01.IX.2000, on fallen trunk (unidentified), from bank of the stream, C.E. 199.

Order TRICHIALES

Arcyria affinis Rostaf.

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, on bark of *Fagus orientalis* from bank of the stream, C.E. 180 & 25.VIII.2000, decaying wood from bank of the stream, C.E. 198.

Arcyria cinerea (Bull.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 11.VI.1999, on decaying log, C.E. 181 & 09.VII.1999, on fallen twigs, C.E. 184; between Mezit 7–Mezit 8 bridges, alt. 650m, 09.VII.1999, on decaying log from bank of the stream, C.E. 185; between Mezit 4–Mezit 5 bridges, alt. 410m, 09.IX.1999, on bark of *Platanus orientalis*, C.E. 188; between Mezit 4–Mezit 5 bridges, alt. 410m, 01.IX.2000, on bark of decaying *Platanus orientalis* log, C.E. 199.

Arcyria denudata (L.) Wettst.

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 09.VII.1999, on decaying log of *Fagus orientalis* from bank of the stream, C.E. 185; between Mezit bridges 3–4, alt. 410m, 01.IX.2000, on bark of *Platanus orientalis* from bank of the stream, C.E. 199.

Arcyria incarnata (Pers. ex J.F. Gmel.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 21.V.1999, on decaying log of *Fagus orientalis* from bank of the stream, C.E. 179; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, fallen stem of *Platanus orientalis* from bank of the stream, C.E. 189.

Arcyria insignis Kalchbr. & Cooke in Kalchbr.

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, on decaying twigs from forest floor, C.E. 189.

Arcyria obvelata (Oeder) Onsberg

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 09.VII.1999, on decaying soggy wood from bank of the stream, C.E. 184; between Mezit 3–Mezit 4 bridges, alt. 410m, 01.IX.1999, on decaying wood from bank of the stream, C.E. 199.

Arcyria pomiformis (Leers) Rostaf.

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, on log of *Fagus orientalis*, C.E. 189.

Arcyria stipata (Schwein.) Lister

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 09.IX.1999, on decaying wood of *Platanus orientalis* from bank of the stream, C.E. 189.

Fuligo septica (L.) F.H.

Bursa-Eskişehir road, Mezit valley, between Mezit 3–Mezit 4 bridges, alt. 410m, 01.IX.2000, on fallen trunks of *Fagus orientalis*, C.E. 198. Bursa-Eskişehir road,

Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 01.IX.2000, on decaying wood of *Fagus orientalis*, C.E. 200.

Hyporhamma calyculata (Speg.) Lado

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 440m, 28.06.2002, on hollow stem of living *Platanus orientalis*, from bank of the stream, C.E. 311.

Metatrichia vesparia (Batsch.) Nann.-Bremek ex G.W. Martin & Alexop.

Bursa-Eskişehir road, Mezit valley, between Mezit 4–Mezit 5 bridges, alt. 410m, 01.IX.1999, on decaying moist wood of *Platanus orientalis*, from bank of the stream, C.E. 199.

Trichia affinis de Bary in Fuckel

Bursa-Eskişehir road, Mezit valley; between Mezit 7–Mezit 8 bridges, alt. 650m, 09.IX.1999, on decaying moist wood from bank of the stream, CE190 & 25.VIII.2000, on decaying moist wood of *Fagus orientalis* from slopes of valley, C.E. 198 & 01.IX.2000, on dead moist trunk of *Fagus orientalis* near bank of the stream, C.E. 200.

Trichia botrytis (J. F. Gmel.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 21.V.1999, moist forest floor litter and twigs from bank of the stream, C.E. 179; between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, on dead standing trunk of *Fagus orientalis* from bank of the stream, C.E. 180 & 11.VI.1999, on decaying moist wood from *Fagus* forest, C.E. 182 & 09.VII.1999, on decaying moist wood and debris from bank of the stream, C.E. 185.

Trichia decipiens (Pers.) T. Macbr.

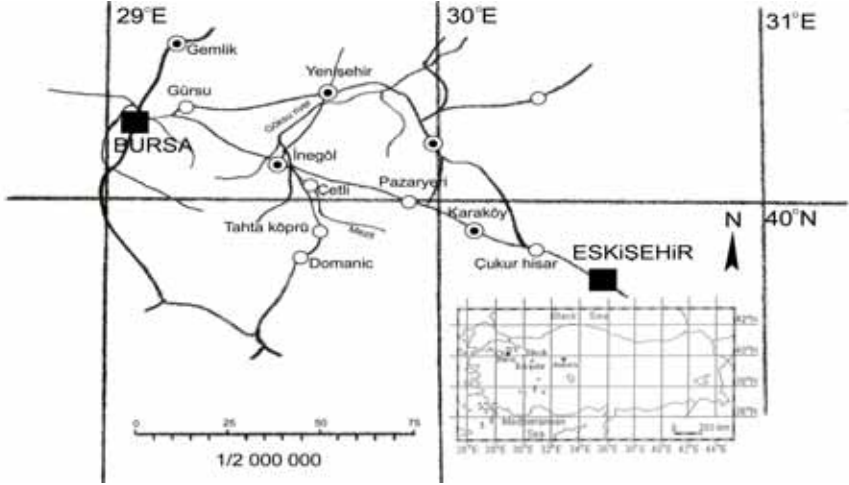
Bursa-Eskişehir road, Mezit valley, between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, rotten moist forest floor debris from sloping section of stream valley, C.E. 180.

Trichia favoginea (Batsch.) Pers.

Bursa-Eskişehir road, Mezit valley, between Mezit 3–Mezit 4 bridges, alt. 410m, 01.IX.2000, on decaying moist log and debris, from sloping section of stream valley, C.E. 199.

Trichia varia (Pers. ex J.F. Gmel.) Pers.

Bursa-Eskişehir road, Mezit valley; between Mezit 4–Mezit 5 bridges, alt. 440m, 21.V.1999, decaying moist wood of *Fagus orientalis*, from bank of the stream, C.E. 179; between Mezit 7–Mezit 8 bridges, alt. 650m, 21.V.1999, on moist forest floor litter and twigs, C.E. 180; between Mezit 3–Mezit 4 bridges, alt. 410m, 11.VI.1999, moist forest floor litter and debris sloping section of stream valley, C.E. 183.



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