

SYNTAXONOMIC CONSPECTUS OF THE VEGETATION OF THE DOBRUȘA LANDSCAPE RESERVE

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This study presents a synthesis of plant community diversity within the Dobrușa Landscape Reserve based on phytosociological investigations conducted between 2022 and 2026. The research is based on phytosociological relevés recorded according to the Braun-Blanquet approach and interpreted using contemporary principles of syntaxonomic classification in accordance with the provisions of the International Code of Phytosociological Nomenclature. Plant communities were arranged hierarchically into classes, orders, alliances, suballiances, associations, subassociations, and facies based on their floristic composition, structural characteristics, and ecological particularities. The syntaxonomic classification of the vegetation identified within the Dobrușa Landscape Reserve is presented below.

CI. QUERCO-FAGETEA SYLVATICAE Br.-Bl. et Vlieger in Vlieger 1937

Ord. *Alnio-Fraxinetalia excelsioris* Passarge 1968

Al. *Fraxino-Quercion roboris* Passarge 1968

1. As. *Sambuco nigrae-Quercetum roboris* (Ger.Hofm. 1965) H.Passarge et Ger. Hofm. 1968

- *equisetosum telmateiae* facies nov.

2. As. *Euonymo nanae-Quercetum roboris* Pînzaru, Sfeclă et Cantemir 2025

- *facies carpinosum betuli* Pînzaru, Sfeclă et Cantemir 2025

Ord. *Fagetalia sylvaticae* Luquet 1926

Al. *Carpinion betuli* Issler 1931

3. As. *Carici pilosae-Carpinetum betuli* Neuhäuslova et Nehäuslova-Novotná 1964

4. As. *Dentario quinquefoliae-Carpinetum* (Dobrescu et Kovács 1973) Täuber 1992

5. As. *Stellario holostee-Carpinetum betuli* Oberd.1957

- *subass. typicum* Oberd. 1957
- *allietosum ursini* subass. nova
- *fraxinetosum excelsioris* subass. nova

Ord. *Quercetalia pubescenti-petraeae* Klika 1933

Al. *Quercion petraeae* Issler

Suball. *Quercenion petraeae*

6. As. *Melico uniflorae-Quercetum petraeae* Gergely 1962

7. As. *Poo nemoralis-Quercetum petraeae* Morariu et al. 1970

Suball. *Tilio tomentosae-Quercenion petraeae* (Pînzaru et Cantemir 2023) Pînzaru, Sfeclă et Cantemir 2025

8. As. *Tilio tomentosae-Quercetum petraeae* Sârbu 1979 corr. Pînzaru, Sfeclă et Cantemir 2025

- *typicum* Sârbu 1979
- *cornetosum maris* (Sârbu 1979) Pînzaru, Sfeclă et Cantemir 2025

Cl. MOLINIO-ARRHENATHERETEA Tx. 1937

Ord. *Molinietalia caeruleae* Koch 1926

Al. *Filipendulion ulmariae* Segal ex Westhoff et Den Held 1969

9. As. ***Geranio pratensi-Cirsietum cani*** Pînzaru, Ionița & Jardan 2019

The syntaxonomic diversity of the Dobrușa Landscape Reserve is represented by two vegetation classes, four orders, four alliances, two suballiances, and nine associations. This conspectus provides the first comprehensive syntaxonomic classification of the reserve's vegetation and establishes a scientific basis for its documentation, conservation, and future phytosociological and ecological research.

Keywords: *phytosociology; syntaxonomy; vegetation diversity; Dobrușa Landscape Reserve; Republic of Moldova.*