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Titolo	Anatomic Atlas of Aquatic and Wetland Plant Stems / / by Fritz H. Schweingruber, Andrea Kuerová, Lubomír Adamec, Jií Doležal
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ISBN	3-030-33420-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VII, 486 p. 937 illus., 932 illus. in color.)
Disciplina	581.4
Soggetti	Plant anatomy Plants - Development Plants Plant ecology Biodiversity Plant Anatomy/Development Plant Systematics/Taxonomy/Biogeography Plant Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Anatomicaldescriptionsof Pteridophytes -- Anatomical Descriptions of Dicotyledons -- Anatomical Descriptions of Monocotyledons -- Synthesis of anatomical, Ecologicaland Phylogenetical Data.
Sommario/riassunto	This book presents light microscopic anatomical images of aquatic and wetland plant stem. It features double-stained cross- and longitudinal sections of almost 400 species of vascular plants from the lowland to the alpine zone in Central Europe, including plants from lakes, ponds, rivers, bogs, fens, wet meadows, saline meadows, tall herb associations and alpine snow beds. The microscopic photographs at various magnifications are supplemented with detailed anatomical descriptions. For each species it provides a photo of the whole plant, a short morphological and ecological description as well as indications about its world- and Central European distribution. The book includes a hydrobotanical and an anatomical section. The hydrobotanical section

describes the ecological classification of aquatic and wetland plants and explains major ecophysiological processes e.g., photosynthesis, mineral nutrition, gas exchange, adaptations to soil anoxia, turion formation and ecology. The anatomical section highlights the variety of structures and anatomical features of vascular plants in all wet environments.