



Universitatea
Transilvania
din Braşov

Interdisciplinary Doctoral School

ADMISSION TO DOCTORAL STUDIES

Session September 2023

Field of doctoral studies: Forestry

Doctoral supervisor: prof. dr. eng. Florin Dinulică

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: *Seasonal dynamics in cambial activity and the formation of xylem in Fagus sylvatica and Picea abies*

Main aspects to be considered: *Formation of secondary xylem; Anatomy of annual rings; Controlling the tree growth by environmental factors; Statistical sampling in tree populations; Mathematical processing of time series in dendroanatomy*

Recommended bibliography: *Articles and books in the field of dendrochronology and wood anatomy*

Prerequisites / Remarks: *not the case*

Doctoral supervisor,

Prof. Dr. Eng. Florin Dinulică

Signature

Coordinator of the field of doctoral studies,

Prof. Dr. Eng. Ovidiu Ionescu

Signature