Universitatea
Transilvania
din Brașov

ADMISSION TO DOCTORAL STUDIES   Session September 2023

Field of doctoral studies: Forestry
Doctoral supervisor: Prof. Dr. Stelian Alexandru BORZ

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: *Developing and testing a framework to predict forest exposure to wind damage*
Contents: dynamics of wind damage in the world's forests, conventional echanisms and methods of prediction, factors of influence, non-conventional methods of prediction
Recommended bibliography: papers and books published on the topics.

TOPIC 2: *Developing and testing a framework to evaluate the sustainability of forest operations*
Contents: economic sustainability, environmental sustainability, social sustainability, data, tools and methods for sustainability assessment, forest operations
Recommended bibliography: articles and books published on the topics.

TOPIC 3: *Developing learning curves for beginner and experienced operators of completely mechanized harvesting systems*
Contents: work science, human-machine interaction, assessment methods, data, methods of developing learning curves
Recommended bibliography: articles and books published on the topics.

Doctoral supervisor,   Coordinator of the field of doctoral studies,

Prof. Dr. Stelian Alexandru Borz   Ovidiu IONESCU, PhD, Eng.

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