

## ADMISSION TO DOCTORAL STUDIES

Session September 2024

Field of doctoral studies: **Silviculture**

Doctoral supervisor: **Assoc.prof. Dr. Adrian INDREICA**

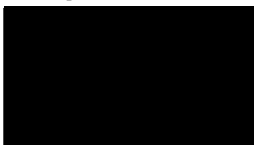
### TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

<b>TOPIC 1: Vegetation processes in woodland-grassland landscapes</b>
<b>Main aspects to be considered</b> Analysis of vegetation succession processes in woodland-grassland ecotone Description of structure, taxonomic and functional diversity of vegetation types Evaluation of nature conservation value and its interaction with other ecosystem services Predicting vegetation dynamics by statistical modelling Conducting experiments for the control of trees & shrubs invasion in grasslands
<b>Recommended bibliography:</b> Elith J., Leathwick J.R., 2009. <i>Species Distribution Models: Ecological Explanation and Prediction Across Space and Time</i> . Annu. Rev. Ecol. Evol. Syst. 40: 677-697. Gergel S., Turner M., 2017. <i>Learning landscape ecology. A practical guide to concepts and techniques</i> . Springer. Kent M., 2012. <i>Vegetation description and data analysis</i> . Wiley-Blackwell.
<b>Prerequisites:</b> Basic knowledge of plant species
<input checked="" type="checkbox"/> <b>Scientific Doctorate (full-time only)</b> <input type="checkbox"/> <b>Professional Doctorate – in the fields of Music and Science of sport and physical education (full-time or part-time)</b>
<input checked="" type="checkbox"/> <b>without tuition fee (state budget funded)</b> <input type="checkbox"/> <b>with tuition fee or with funding from other sources than the state budget</b>

Doctoral supervisor,

Asoc.prof. Dr. Adrian INDREICA

Signature



Coordinator of the field of doctoral studies,

Prof. Dr. Ovidiu IONESCU

Signature