

Author: Assoc. Prof. Dr. Eng. Gheorghe Marian TUDORAN

Title of the habilitation thesis: Forest dynamics – structure, production, growth – under the influence of environmental conditions, adapting forest planning and management

Domain: Silviculture

## PUBLICATIONS LIST

### RELEVANT PAPERS

1. Tudoran G.M., Cicșa A., Dobre A.C., Cicșa M., Pascu I.C., Leca Ș., 2023. Health and growth of black pine outside its natural distribution range in the Romanian Carpathians, *Forests* 14 (5), 884.  
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<https://drive.unitbv.ro/s/sqcgNj66Arf2dgE>
3. Tudoran G.M., Cicșa A., Cicșa M., Dobre A.C., 2022. Management of recreational forests in the Romanian Carpathians, *Forests* 13 (9), 1369.  
<https://drive.unitbv.ro/s/M2KgYBHGmQAsfog>
4. Tudoran G.M., Cicșa A., Dobre A.C., Pascu I.S., 2021. Development of Mathematical Models for the Estimation of Dendrometric Variables Based on Unmanned Aerial Vehicle Optical Data: A Romanian Case Study, *Forests* 12 (2), 200.  
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8. Tudoran G.M., Zotta M., 2020. Adapting the planning and management of Norway spruce forests in mountain areas of Romania to environmental conditions including climate change. *Science of The Total Environment* 698, 133761

### **PhD THESIS**

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### **BOOKS / BOOK CHAPTERS**

1. Tudoran G.M., 2023. Forest ecosystem restoration management. Principles and practice. Editura Universității Transilvania, Brașov, 110 p.
2. Carcea F., Tudoran G.M, Florescu I. I., Doniță N., Iorgu O., Hulea D., 2012. New aspects concerning the planning and management of the forests included in protected natural areas. Editura Universității "Transilvania", Brașov, 48 p.
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7. Tudoran G.M, 2001. Forest management planning in the Republic of Moldova. Editura "Pentru Viață", Brașov, 258 p.
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  9. Tudoran G.M, 2000. Forest management bases in the Republic of Moldova. Editura Universității "Transilvania", Brașov, 48 p.
  10. Tudoran G.M, 2000. Functional zoning of forests in the Republic of Moldova. Editura Universității "Transilvania", Brașov, 38 p.
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4. Tudoran G.M.\*, Cicșa A., Dobre A.C., Pascu I.S., 2021. Development of Mathematical Models for the Estimation of Dendrometric Variables Based on Unmanned Aerial Vehicle Optical Data: A Romanian Case Study, *Forests* 12 (2), 200. WOS:000622501600001, IF: 2.634; IF\_2022: 2,9.

5. Tudoran G.\*, Cicșa A., Ciceu A., Dobre A.C., 2021. Growth Relationships in Silver Fir Stands at Their Lower-Altitude Limit in Romania, *Forests* 12 (4), 439. WOS:000643023800001, IF: 2.634; IF\_2022: 2,9.
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7. Cicșa A., **Tudoran G.M.\***, Boroeanu M., Dobre A.C., Spârchez G., 2021. Estimation of the Productivity Potential of Mountain Sites (Mixed Beech-Coniferous Stands) in the Romanian Carpathians, *Forests* 12 (5), 549. WOS:000653940800001, IF: 2.634; IF\_2022: 2,9.
8. Dobre A.C., Pascu I.S., Leca S., Juan G.D., Dobrota C.E., **Tudoran G.M.**, Badea O., 2021. Applications of TLS and ALS in Evaluating Forest Ecosystem Services: A Southern Carpathians Case Study, *Forests* 12 (9), 1269. WOS:000699640200001, IF: 2.634; IF\_2022: 2,9.
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2. Leca Ș., Dobre A.C., Pascu I.C., **Tudoran G.M.**, Pitar D., Chivulescu Ș., Moldovanu D.Ș., Constantin A., Miriță M.G., Badea O., 2022. Methods assessing ecosystem services – case study of RPLP Kronstadt. *Revista de Silvicultură și Cinegetică* 50.
3. Pascu I.S., Dobre A.C., Becherescu V., Leca Ș., **Tudoran G.M.**, Maloș C., Badea O., 2022. Integration of known reflectance panels in forest monitoring activities by means of terrestrial laser scanning, *Revista de silvicultură și Cinegetică* 50.
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5. Cicșa A., Tudoran **G.M.\***, Boroeanu M., Dobre A.C., Spârchez, 2021. Productivity indicators for mixed beech-coniferous stands. Revista Pădurilor 136 (3), 25-40.
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  8. Cicșa A., **Tudoran G.M.\***, Boroeanu M., Dobre A.C., Spârchez, 2021. Influence of soil genesis factors on Gurghiu mountain forest soils'physical and chemical properties, Bulletin of the Transilvania University of Brașov, Vol. 14(63) No 2.
  9. Tudoran G.M., 2016. Implications for forest management planning of some provisions of the recently amended Forestry Code. Revista pădurilor nr. 1-2.
  10. Tudoran G.M., 2013. Regulations regarding the management of forests included in natural protected areas. Bulletin of the Transilvania University of Brașov. Series II: Forestry. Wood.Industry. Agricultural Foed Engineering. Vol. 6 (55) No 1.
  11. Florescu I.I., **Tudoran G.M.**, 2013. Considerations on the issue of special conservation measures. Revista de Silvicultură și Cinegetică. Vol.18 No.32 pp.17-20 ref.16.
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1. Indreica A., Gurean D.M., Tudoran G.M., Stăncioiu T., Candrea-Bozga B., Gaboş A., 2017. Plant species and habitat types of Harghita-Mădăraş Natura 2000 site. Proceedings of the international symposium Forest and sustainable development oct. 2016, Braşov, 55-60.
2. Mihai, R.G.; Mihăilă, V.V.; Cicşa, A.; Dobre, A.C.; **Tudoran, G.M.\***, 2017. Features of the structure of sessile-oak stands located at the superior range border. In Proceedings of the Biennial International Symposium, Forest and Sustainable Development oct. 2016, 79-86.

#### **OTHER PAPERS / RELEVANT ACHIEVEMENTS:**

\*\*\* Published papers in non-indexed journals:

1. Tudoran GM., 2000. A new way of setting prescribed yield based on indicator growth. Revista de Silvicultură nr. 1-2(11-12), Societatea “Progresul Silvic”, Braşov, pp. 80-81.
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- Means and the 2nd National Conference on Ecosanogenesis, 26 - 27 May 2000. Universitatea Transilvania din Braşov, pp. 374-378.
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Tudoran Gheorghe Marian

