



## **Assoc. Prof. Dr. Emil Borissov Popov**

Forest Research Institute, Bulgarian Academy of Sciences  
132 "St. Kl. Ohridski" Blvd. 1756 Sofia, Bulgaria  
Phone: +359 885170296  
E-mail: [emilpopov99@hotmail.com](mailto:emilpopov99@hotmail.com)  
Scopus author ID: [24528825300](#)  
Google Scholar: [Popov E:](#)  
[Research Gate](#)

**Date and place of birth:** 09.09.1957, Kostenets

**Research Interests:** Plantation forestry, tree breeding, trial plantations, comparative analysis of native and non-native tree species using growth indicators and adaptive traits. I am interested in conservation of forest genetic resources and their rational use in forestry and agroforestry. I have scientific interests in research related to the conservation of forest genetic resources, as well as their rational use in forestry and agroforestry.

### **Education:**

1991: Candidate of Agricultural Sciences, according to the current legislation Scientific and education degree Doctor. Forest Research Institute, Bulgarian Academy of Sciences.

1983: Forestry Engineer, according to the current legislation equated to Master's degree University of Forestry, Sofia (Bulgaria).

### **Training:**

1992: Finland, Finnish Academy of Sciences, topic of the specialization: "Conservation and use of forest genetic resources"

1994: France, National Institute for Agricultural Research (INRA) - Laboratory for Conservation of Forest Genetic Resources, topic of the specialization: "Douglas-fir breeding"

1998: Italy, National Research Council (CNR) - Institute of Agricultural and Forest Biology, specialization topic: "Methods of cultivation and genetic resources of agroforestry species"

2002: Italy, National Research Council - Institute of Agricultural and Forest Biology, specialization topic: "Study on walnut genotypes (*Juglans* spp) for the production of high quality wood and sustainable agroforestry systems".

### **Employment:**

2000- present: Associate Professor, Doctor, Forest Research Institute, BAS

1990-2000: Assistant (Research Associate), Forest Research Institute, BAS

1989-1990: Forestry Engineer, Forest Institute, BAS

1986-1989: Doctoral student (Full-time graduate student), Forest Research Institute, BAS

1983-1986: Forestry Engineer, Forest Research Institute, BAS

### **Administrative responsibilities:**

2002-present: Member of the Scientific Council at Forest Research Institute - Bulgarian Academy of Sciences.

2013-present: Head of Department "Forest Genetics, Physiology and Cultures" at Forest Research Institute - Bulgarian Academy of Sciences.

2016-present: Chairman of the General Assembly of Scientists in Forest Research Institute - Bulgarian Academy of Sciences.

2014-2018: MC Member European Cooperation in Science and Technology (COST) Activities: Non-native tree species for European forests – experiences, risks and opportunities (NNEXT), FPS COST Action FP1403.

2020-present: Representative of the Forest Research Institute in the General Assembly of the Bulgarian Academy of Sciences.

Member of the editorial board of journal "[Silva Balcanica](#)".

Member of the editorial board of the journal "[Forest Science \(Bulgaria\)](#)"

### **Training students:**

2019-present: Scientific consultant of a part-time doctoral student at the Forest Research Institute, BAS.

**Publications:** One book and over 90 scientific, scientific-applied publications, abstracts, talks and memoirs in general in the field of forestry, tree breeding and conservation of biological diversity. The list of selected publications for last five years:

**Popov E** (2020) Germination of long-term stored Douglas fir seeds (*Pseudotsuga menziesii* (Mirb.) Franco). *Forest Science*. 1, (56) 15-28. (in Bulgarian with English summary). ISSN 0861-007X. [Link](#)

Pötzelberger El, Lapin K, Brundu G, Adriaens T, Andonovski VI, Andrašev S, Bastien J-Ch, Brus R, Čurović M, Čurović Ž, Cvjetković Br, Đodan M, Domingo-Santos JM, Gazda A, Henin J-M, Hernea C, Karlsson B, Keča L, Keren Srđ, Keserú Zs, Konstatara Th, Kroon J, La Porta N, Lavnyy V, Lazdina D, Lukjanova Al, Maaten T, Madsen P, Mandjukovski D, Marín Pdgeo FrJ, Marozas V, Martinik Ant, Mason B, Mohren Fr, Monteverdi M Cr, Neophytou Ch, Neville P, Nicolescu V N, Nygaard P H, Orazio Chr, Parpan T, Perić S, Petkova Kr, **Popov E**, Power M, Rédei K, Rousi M, Silva J S, Sivacioğlu A, Socratous M, Straigytė L, Urban J, Vandekerkhove Kr, Waśik R, Westergren M, Wohlgemuth T, Ylioja T, Hasnauer H (2020) Mapping the patchy legislative landscape of non-native tree species in Europe. *Forestry: An International Journal of Forest Research*, Oxford University Press, *Forestry* 2020, 93, 567–586. <https://doi.org/10.1093/forestry/cpaa009>, JCR-IF (Web of Science): 2.293

Konnert M, Alizoti P, Bastien J-Ch, Chakraborty D, Cvjetkovic Br, Klisz M, Kroon J, Mason B, Neophylou Ch, Schueler S, Van Loo M, Westergren M, Andonovski VI, Andressen K, Brang P, Brus R, Dodan M, Fernández M, Frydl J, Karlsson B, Keserú Zs, Kormitak A, Lavny V, Maaten T, Matti R, Mihai G, Monteverdi M Cr, Peric S, Petkova Kr, **Popov E**, Stojnic S, Tsvetkov I (2019) European provenance recommendations for selected non-native tree species, COST FP1403 WG2 report, Institute of Silviculture, University of Natural Resources and Life Sciences, Vienna Peter-Jordan-Straße 82 1190 Vienna, Austria Phone: 0043-1-47654-91300 Email: [nnext@boku.ac.at](mailto:nnext@boku.ac.at), <http://nnext.boku.ac.at>, 2018, 53, 1-53.

Belovarska M, Pandeva D, Bozhinova S, **Popov E**, Zhelev P (2019) Legal and Institutional Framework for Forest Genetic Resources Conservation in Bulgaria, Šijačić-Nikolić M, Milovanović J, Nonić M (eds) *Forests of Southeast Europe Under a Changing Climate. Advances in Global Change Research*, vol 65. Springer, Cham, First Online 06 December 2018, Online ISBN 978-3-319-95267-3, Print ISBN 978-3-319-95266-6DOI: [https://doi.org/10.1007/978-3-319-95267-3\\_12](https://doi.org/10.1007/978-3-319-95267-3_12), 149-154.

**Popov E** (2019) Provenance experiments of Douglas fir in Bulgaria - a valuable source of information. *Journal of BAS*, 3, ISSN: 0007-3989, 30-37. (in Bulgarian with English summary).

**Popov E** (2019) Average and dominant tree heights in Douglas fir trial plantation. Collection of reports "150 years of the Bulgarian Academy of Sciences", Academic Publishing House "Prof. Marin Drinov", Sofia, 159-166. (in Bulgarian with English summary).

**Popov E**, Hinkov G, I Velichkov I, Stefanova P (2018) Productivity of Douglas-Fir Plantations in Bulgaria and Necessity for its Utilisation, — *Nauka za Gorata (Forest Science, Sofia)*, 54 (2), 3-23. (in Bulgarian with English summary). ISSN 0861-007X [link](#)

Kachova V, Hinkov G, **Popov E**, Trichkov L, Mosquera-Losada R (2018) Agroforestry in Bulgaria: history, presence status and prospects. *Agroforest Syst* (2018) 92: 655-666. <https://doi.org/10.1007/s10457-016-0029-6> (IF 2016 1,170)

Petkova K, **Popov E**, Tsvetkov I (2017) in Non-native tree species for European Forests: Experiences, Risks and Opportunities. Country Report Bulgaria. Hasenauer H, Gazda A, Konnert M, Lapin K, Mohren G M J, Spiecker H, van Loo M, Pötzelsberger E. (Eds.) 2017. Non-Native Tree Species for European Forests: Experiences, Risks and Opportunities. COST Action FP1403 NNEXT Country Reports, Joint Volume. 3rd Edition. University of Natural Resources and Life Sciences, Vienna, Austria, ISBN 978-3-900932-46-6 [Online publication] pp 38-60, 427. [Link](#)

Petkova K, Ruetz W, **Popov E**, Neikova I (2015) Testing of American, German and Bulgarian Douglas-Fir Provenances on Two Test Sites in Bulgaria Six Years after Out-planting, *Forestry Ideas*, vol. 21, No 1 (49): 29–38. [Link](#)

Hinkov G, **Popov E**, Erbakamov G (2015) Threats and Recommendations for Management of Forest Habitats in Protected area “Kamchiyska and Emenska Mountain. *Nauka za Gorata* (Forest Science, Sofia) 1, 19-33. (in Bulgarian with English summary). [Link](#)

**Research projects:** Participates in a total of 19 projects, of which 8 international and 11 nationals. Leader of a total of 7 projects, of which 2 international and 5 national. List of selected projects for the last 5 years:

- Maintenance, conservation and use of forest genetic fund as a valuable natural resource for sustainable bioeconomy and conservation of biological diversity, Bulgarian Academy of Sciences, 2020-2022. Coordinator Assoc. Prof. Dr. E. Popov.
- Evaluation of bio productivity of fastgrowing deciduous species. National Science Fund – Ministry of Education, Youth and Science, 2017–2019. Project Leader: Assoc. Prof. Dr. V. Gyuleva.
- National Scientific Program “Environmental Protection and Reduction of the Risk of Adverse Events and Natural Disasters”, Head of FP I.1. 4-5 Controlled migration of forest tree species in terms of climate change. 2019–2022 Project Leader for FRI: Prof. Dr. M. Georgieva.
- European Cooperation in Science and Technology (COST) Activities: Non-native tree species for European forests – experiences, risks and opportunities (NNEXT), FPS COST Action FP1403, 2014-2018. Project Leader: El. Pötzelsberger.
- Green technologies for high quality timber production, for improvement of the environment and the landscape — scientific and applied aspects. Bulgarian Academy of Sciences, 2013-2016. Coordinator Assoc. Prof. Dr. E. Popov.
- Comprehensive assessment of forest and agricultural species for establishment of energy crops in Bulgaria 2012-2014. Project Leader: Assoc. Prof. Dr. V. Gyuleva.
- Investigation on the effectiveness of Agroforestry systems for improvement of the Productivity and the environmental quality of coastal lands along the, Bilateral Collaboration between BAS and Romanian Academy– EBR, 2014-2017 Project Leader: Dr. V. Kachova.
- Establishment of experimental plantation from perspective poplar clones (*Populus* sp.) for comprehensive assessment of their potential for biomass production. Executive Forest Agency, 2013-2015. Project Leader: Assoc. Prof. Dr. Iv. Tsvetkov.
- Natura 2000: Mapping and Identification of the Conservation Status of Natural Habitats and Species – Phase I (BG and EU-funded) and Phase V 2011-2013. Coordinator: V. Dimitrova.