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ReserchGate: https://www.researchgate.net/profile/Veselka_Gyuleva

Date and birth place: 20 February 1958, Dimitrovgrad, Haskovo District

Research interests: Biotechnolgy of forest trees, *ex situ* conservation of forest trees, forest genetics, physiology and breeding, bioproductivity and ecology of fast - growing trees, short rotation forestry for energy

Education:

1990: PhD in Forest plantations, breeding and seed production, Forest Research Institute, BAS, Thesis: "Possibilities for micropropagation of black pine (*Pinus nigra* Arn.) and sycamore tree (*Platanus acerifolia*)"

1982: MSc in forestry and forest protection, Forest University, Sofia

Training:

1996: UNESCO short-term Fellowship in Biotechnology (1996, Sweden) and short-term Fellowship between Bulgarian Academy of Sciences and ROYAL SWEDISH ACADEMY OF SCIENCES in Agricultural University, Department of Forest genetics, Cell Biology Division, Uppsala, Sweden.

1999: NATO Fellowship в CRP "Gabriel Lippmann"- Luxemburg по проект: "Genetic Resources of Broadleaf Species in Southeast EUROPE – Fraxinus and *Pinus nigra* micropropagation and somatic embryogenesis"

2002: Luxemburg, CRP- Centre Universitaire "Gabriel Lippmann", Genetic Resources of Broadleaf Species in Southeast EUROPE – Ulmus species".

Employment:

2005 - present: Associate Professor, Department of Forest genetics, physiology and plantations, Forest Research Institute, BAS

1994-2005: Assistant Professor, Department of Forest genetics, physiology and plantations, Forest Research Institute, BAS

1990-1994: Forest Engineer, Forest Research Institute, BAS

1986-1989: PhD student, Forest Research Institute, BAS

1982-1985: Forest Engineer, State Forestry Gramatikovo, Bourgas District

Administrative responsibilities:

2013- present: Member of the Scientific Council of the Forest Research Institute, BAS

Training students:

2019-present: Consultant of one PhD student, Forest Research Institute, BAS, Sofia

2013-2017: Supervisor and consultant of two PhD students, Forest Research Institute, BAS, Sofia

2012-2013: Consultant (Master degree), University of Chemistry (wood fibre) – Sofia

Membership in scientific organisations: Union of Scientists in Bulgaria,

Publications: One book as co-author and 73 papers published in peer-reviewed journals. The list of selected publications for last five years:

Gyuleva V, Stankova T, Zhyanski M, Glushkova M, Andonova E (2020) Growth and Development of *Paulownia tomentosa* and *Paulownia elongata* x *fortunei* in Glasshouse Experiment. Bulgarian Journal of Soil Science. vol. 5, issue 2, p. 126-142, www.bsss.bg

Stankova T, **Gyuleva V**, Kalmukov K, Popov E, Pérez-Cruzado C, Glushkova M, Dimitrov D N, Dimitrova P, Hristova H, Andonova E. (2019) Effect of spacing, parental genotype and harvesting cycle on biomass production in two half-sib progenies of *Robinia pseudoacacia* L. *Forestry: An International Journal of Forest Research*, Oxford University Press, DOI:10.1093/forestry/cpz039, JCR-IF

Stankova T, **Gyuleva V**, Popov E, Petkova K, Dimitrov D N, Biserkov V, Andonova E, Stefanova P (2019) Impact of spacing, clone and coppicing on biomass production of two black poplar hybrids. *Forestry Ideas*, 25, 2, 351-368.

Stankova T, **Gyuleva V**, Dimitrov D N, Popov E (2019) Allometric relationships for estimation of aboveground woody biomass of two clones *Paulownia* at juvenile age. *Nauka za gorata* 55(2): 43-54. (in Bulgarian)

Stankova T, **Gyuleva V**, Kalmukov K, Dimitrov D N, Popov E, Glushkova M, Dimitrova P, Hristova H (2018) Woody biomass estimation of coppiced plants from open pollinated progenies of two selected black locust clones. *Proceeding papers of the International Scientific Conference "90 years Forest Research Institute—for the society and nature"*, 24-26 October, Sofia, CLORIND, ISBN: 978-619-7379-28-0, p. 251-266.

Gyuleva V, Zhiyanski M, Stankova T, Glushkova M, Andonova E (2018) Clone differences in the root biometry of hybrid black poplar. In: *Proceeding papers of the International Scientific Conference "90 years Forest Research Institute—for the society and nature"*, 24-26 October, Sofia: 91-105. (in Bulgarian)

Anev S, Damyanova S, Kotova V, Stoeva A, Tzvetkova N, **Gyuleva V**, Stankova T (2018) Total chlorophyll content and normalized difference vegetation index of two *Populus x euroamericana* clones ('Agathe' and 'Guardi'). *Proceeding papers of the International Scientific Conference "90 years Forest Research Institute – for the society and nature"*, 24-26 October, Sofia, CLORIND, ISBN: 978-619-7379-28-0, p.191-196.

Dimitrova P, **Gyuleva V**, Stankova T, Glushkova M, Nenkova S, Valchev I, Andreykova T, Petrin St (2017) Analysis of some feedstock properties of fast-growing broadleaved species for energy crops. *Forest Science (Sofia)*, 53 (1) 39-52.

Naydenov K D, Naydenov M K, Alexandrov A, Vasilevski K, Hinkov G, Matevski V, Nikolic B, Goudiaby V, Dave Rieger, Paitaridou D, Christou A, Goia Ir, Carcaillet Ch, Escudero A, Cengiz Ture, Suleyman Gulcu, **Gyuleva V**, Bojovic S, Peruzzi L, Kamary S, Tsarev A, Bogunic F A. (2017) Ancient genetic bottleneck and Plio-Pleistocene climatic changes imprinted the phylogeography of European Black Pine populations. *Eur. J. For. Res.* Vol.136 Issue 5-6 p. 767-786.

- Stankova T, **Gyuleva V**, Popov E, Dimitrov D N, Andonova E (2017) Stump-level allometric models for aboveground dendromass of two coppiced black poplar clones in south-western Bulgaria. *Silva Balcanica*, 18 (2): 1-21.
- Stankova T, **Gyuleva V**, Kalmukov K, Dimitrova P, Velizarova E, Dimitrov D N, Hristova H, Andonova E, Kalaydzhiev I, Velinova K (2016) Biometric models for the aboveground biomass of juvenile black locust trees. *Silva Balcanica*.
- Stankova T, **Gyuleva V**, Tsvetkov I, Popov E, Velinova K, Velizarova E, Dimitrov D N, Hristova H, Kalmukov K, Dimitrova P, Glushkova M, Andonova E, Georgiev G P, Kalaydzhiev I, Tsakov H (2016). Aboveground dendromass allometry of hybrid black poplars for energy crops. *Ann. For. Res.* 59 (1): 61-74. doi: 10.15287/afr.2016.552
- Stankova T, **Gyuleva V**, Kalmukov K, Dimitrova P, Velizarova E, Dimitrov D N, Andonova E, Kalaydzhiev I, Velinova K (2016) Biometric models for the aboveground biomass of juvenile black locust trees. *Silva balcanica*, 17 (1): 21-30
- Stankova T, **Gyuleva V**, Dimitrov D N, Hristova H, Andonova E (2016) Aboveground dendromass estimation of juvenile *Paulownia* sp. *Bulletin of the Forestry Faculty, University of Banja Luka*. №24: 5-18 doi: 10.7251/GSF1624005S
- Naydenov K D, Naydenov M K, Alexandrov A, Vasilevski K, **Gyuleva V**, Matevski V, Nikolic B, Goudiaby V, Bogunic F, Paitaridou D, Christou A, Goia I, Carcaillet Ch, Alcantara E A, Ture C, Gulcu S, Peruzzi L, Kamary S, Bojovic S, Hinkov G, Tsarev A (2016). Ancient split of major genetic lineages of European Black Pine: evidence from chloroplast DNA. *Tree Genetics & Genomes* vol.12 (4) 1-18, DOI 10.1007/s11295-016-1022-y

Research projects: Coordinator or participant in more than 25 national and international research projects. The projects for the last 5 years are listed below:

- Toward better UNderstanding the Ecosystem Services in URBan environments trough assessment and mapping (TUNES in URB). Funded by FM of EEA 2009-2014, Programme BG03 Biodiversity and ecosystems .2015-2017. Project Leader: Prof. Dr. Miglena Zhiyanski.
- Evaluation of bioproductivity of fast-growing deciduous species. Contract No DN 06/3 (2016-2021). National Science Fund. Project Coordinator: ass.prof. Veselka Gyuleva