

PERSONAL INFORMATION Nevena Čule (maiden Nešić)



📍 Smetička 1, Beograd 11000 , Serbia
 📞 +381113553355 📠 +381628838023
 ✉ nevena.cule@yahoo.com

Gender female | Date of birth 01/04/1974 | Nationality Serbian

SCIENCE POSITION Research associate

WORK EXPERIENCE

- 2005 – present Institute of Forestry, Department of Environmental Protection and Improvement, Kneza Viseslava 3, 11030 Beograd, www.forest.org.rs
 Skilled in Phytoremediation, Biological Engineering, Water Treatment, Biological reclamation of degraded areas, Landscape architecture, Landscape design and Urban forestry.
- 2004 - 2005 Institute of Multidisciplinary Research (IMSI), University of Belgrade, Kneza Viseslava 1, 11030 Beograd, www.imsi.bg.ac.rs
 Volunteer at the Laboratory for Environmental Protection at the Department of Natural Resources and Environment with a focus on research in the field of phytoremediation

EDUCATION AND TRAINING

- 2021 Training Introduction to the Standard SRPS ISO/IEC 17025:2017
 Agency Regel, Trg Carice Milice 4, 21000 Novi Sad
- 2020 Training for preparing and writing research projects
 European Training Academy (EUTA), Kneza Milosa 47, 11000 Belgrade
- 2019 Training for operating the multimeter, model HQ40 manufacturer Hach, USA
 Analysis doo, Japanska 4, 11070 Belgrade
- 2019 Training for operating and basic safety measures for microwave digestion system Ethos Easy, Milestone Srl, Italy
 Proanalytica doo, Bulevar umetnosti 27, 11070 Belgrade
- 2016 Doctor of Science in Multidisciplinary Scientific fields - Environmental Management
 University of Belgrade, Doctoral studies in interdisciplinary and multidisciplinary scientific fields
 ▪ Phytoremediation
- 2014 Training for System operator on "Agilent Vista Series ICPOES with ICP Expert Software"
 DSP Chromatography, Milutina Milankovića 120g, 11000 Belgrade
- 2004 Graduated forestry engineer of landscape architecture
 University of Belgrade, Faculty of Forestry, Kneza Višeslava 1, 11030 Belgrade
 ▪ Phytoremediation
- 2000 Postgraduate education programme „Environment - Challenge for Science, Technology, Society“
 ▪ Alternative Academic Educational Network (AAEN), 11000 Belgrade, Serbia
<http://www.cep.edu.rs/history>
 ▪ Environmental Management
- 1993 Associate in natural sciences
 X High school "Mihajlo Pupin", 11000 Belgrade, Serbia

PERSONAL SKILLS

Mother tongue

Serbian

Ostali jezici

Self-assessment - European level (*)

English

French

Greek

Understanding		Speaking		Writing Reading
Listening	Reading	Spoken interaction	Listening	
C2	C2	C2	C2	C2
B2	B2	B1	A2	A1
A2	A2	A2	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

* Common European Framework of Reference for Languages

Organizational and business skills

- Organizing lectures and practical classes for students
- Project manager and coordinator

Technical skills and competences

- Works on ICP - OES (Inductively coupled plasma - Optical Emission Spectroscopy) (the ability acquired through training and practice, since 2014)
- Works on Microwave Digestions system (the ability acquired through training and practice, since 2004)

Digital skills and competences

Self-assessment - European level (*)

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent to Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

* Digital competences - Self-assessment grid

Computer skills and competences

- Excellent knowledge of Microsoft Office programs and specialized landscape design applications
- Good knowledge of specialized engineering and graphic design software applications (AutoCAD, ArhiCAD, Artlantis, Corel, Photoshop, Illustrator)

Driving licence

B

ADDITIONAL INFORMATION

- Member of the Commission for the evaluation of candidate and the subject of the doctoral dissertation of Tea Spasojević - Šantić entitled "Phytoextraction of heavy metals from the soil in situ using Indian mustard (*Brassica juncea*)". Faculty of Applied Ecology "Futura", Metropolitan University. Decision number 382-7/7-19.
- Teaching as a Lecturer at the Educons University, Sremska Kamenica in the school year 2021/22 in the basic academic studies of Organic Agriculture in the subject Agroforestry in Agriculture
- Performing exercises and consultations in as a teacher at the Educons University, Sremska Kamenica in the school year 2021/22 in the master studies of Organic Agriculture in the subject of Agroforestry
- member of SEEFOR Editorial Board for the period of 4 years (2020-2023), with the possibility of re-election

Projects (selection)

Projects granted by Ministry of Education, Science and Technological Development of the Republic of Serbia

- The method of assessing quality and assortment structure of beech high stands in Serbia. Project number TP-6804A, (2005- 2006).
- Research on the possibility of energy biomass production from forest short-rotation plantations in the areas degraded by surface coal exploitation. Project number: 273015, (2006 - 2009).
- Research on the possibility of energy biomass production in the forest short-rotation plantations within the electro-energetic power system of Serbia. Project number: TP 18201a, (2009 - 2010).
- Development of technological procedures in forestry in order to attain optimum forest cover. Project number 31070, (2011-).

- International projects
1. Developing Capacities of the Private Sector for Sustainable Management of Forests in the Republic of Serbia. Slovak ODA Bratislava-Belgrade Fund Component, Contract No. NPOA/G44/2005. (2006.)
 2. IN2WOOD Project. FP7 CAPACITIES Programme "Regions of Knowledge", Grant Agreement number 24547. (2010. - 2012.)
 3. Monitoring and assessment of air pollution and its effects on forest ecosystems in Serbia. Level 1 and Level 2. Institute of Forestry, Belgrade. ICP (International Cooperation Program) (2016-).
 4. COST Action - Climate - Smart Forestry in Mountain Regions (CLIMO). CA COST Action A15226 (2016-2020)
 5. COST Action - Implementing nature based solutions for creating a resourceful circular city (Circular City Re.Solution) CA17133. (2018-2022)
- Other projects
- Participated in 44 studies, programs and projects. The most important are:
1. Revitalization of the lake at the locality of Tresnja by the system of floating islands. City of Belgrade - Belgrade City Administration – Secretariat for Environmental protection (2018 - 2020). Project manager.
 2. Revitalization of Topciderka River by biological systems for purification of polluted waters. City of Belgrade - Belgrade City Administration – Secretariat for Environmental protection (2014 - 2016). Project coordinator.
 3. Research study on conservation and restoration of natural forest ecosystems in the immediate riparian area of the Sava and Danube rivers in the City of Belgrade, in order to valorise their ambiental values and recreation functions. City of Belgrade - Belgrade City Administration – Secretariat for Environmental protection (2009 - 2012).
 4. Integral valorization of Belgrade forest resources. Belgrade. City of Belgrade - Belgrade City Administration – Secretariat for Environmental protection (2005-2008).
 5. Main design of the shelterbelt extending from the Head office building of the open pit mine in Barosevac to the crossroad of old installation. PE Electric Power Industry of Serbia, MB "Kolubara" Ltd., Open-pit mine Barosevac (2010).
 6. Project of reclamation – establishment of a shelterbelt around the landfill of TP Kolubara Veliki Crljeni. PE Electric Power Industry of Serbia, MB "Kolubara" Ltd. (2008).
- Patents
- Veselinovic, M., Mitrovic, S., Cule N., Lucic, A., Miletic, Z., Brasanac-Bosanac, Lj., Ratknic, M. (2017): Anchor for attaching two floating islands for growing plants in standing aquatic environment with a variable water level (in Serbian) (RS 1517 U1). Registration number: 1517; Number and date of decision to grant the right: 2017/11099, 04/10/2017. (M92)
- Publications (selection)
- Published over 90 scientific papers and publications as the first author or co-author. The most important are:
1. **Cule, N.**, Lucic, A., Nestic, M., Veselinovic, M., Mitrovic, S., Sredojevic, Z., Brašanac-Bosanac, Lj. (2021): Accumulation of chromium and nickel by *Canna indica* and decorative macrophytes grown in floating treatment wetland. Fresenius Environmental Bulletin, Vol. 30, No. 06B/2021, 7881-7890. (M23)
 2. Milorad Veselinovic, Dragica Vilotic, Suzana Mitrovic, **Nevena Cule**, Dragica Stankovic, Dusan Jokanovic, Jasmina Madzgalj (2017): Air Pollutant Effects on Chlorenchyma Cell and Chloroplasts of Douglas-Fir (*Pseudotsuga menziesii* (Mirb.) Franco) Needles. Fresenius Environmental Bulletin. Volume 26 (3), 1973-1978. 3728-3733 ISSN 1018-4619. (M23)
 3. **Cule, N.**, Vilotic, D., Nestic, M., Veselinovic, M., Drazic, D., Mitrovic, S (2016): Phytoremediation potential of *Canna indica* L. in water contaminated with lead. Fresenius Environmental Bulletin 25 (9), 3728-3733 ISSN 1018-4619. (M23)
 4. Drazic, D., Veselinovic, M., Rakonjac, Lj., Bojovic, S., Brasanac-Bosanac, Lj., **Cule, N.**, Mitrovic, S. (2014): Geographic, landscape and other natural characteristics of Belgrade as a base for the development of tourism. European Journal of Geography Volume 5, Number 3, 96 -122. ISSN 1792-1341. (M24)
 5. **Dražić, D.**, Veselinović, M., Batos, B., Rakonjac, Lj., **Čule, N.**, Mitrović, S., Djurovic-Petrovic, M. (2011): Energy plantations of dendroflora species on open-pit coal mines overburden deposits. African Journal of Agricultural Research Vol. 6(14), 3272-3283. ISSN 1991-637X (M23)
 6. Dražić D., Veselinović M., Nikolić B., Batos B., **Čule N.**, Golubović-Čurguz V., Mitrović S. (2010): Initial results of plantations of *Larix europaea* L. established for recultivation. Forestry Ideas, vol. 16, No 2: 266–271. ISSN 1314-3905 (M51)
 7. Drazic, D., Veselinovic, M., Rakonjac, Lj., Brasanac-Bosanac, Lj., **Cule, N.**, Mitrovic, S. (2014): Forest ecosystems as basis for recreational valorization of Sava and Danube riverside in Belgrade region, Journal of Balkan Ecology, Vol. 17, No.1., 5-27. ISSN 1311-0527 (M51)

8. Dragana Dražić, Zoran Miletić, Srdjan Bojović, Milorad Veselinović, **Nevena Čule**, Suzana Mitrović. (2015): Soil properties and development of some coniferous tree species in Kolubara coal basin. The Journal of Ege University Faculty of Agriculture, Special Issue. ISSN 1018 – 8851. pp 13-19 (M51)
9. Brašanac-Bosanac, Lj., **Čule, N.**, Lučić, A., Veselinović, M., Mitrović, S. (2020): Guidelines for the introduction of biological systems for revitalization of polluted water and wastewater treatment in strategic documents in Serbia, Institute of Forestry, vol. 81-82, pp. 149 - 157, udc: 628.35(497.11)=111, 2020. (M52)
10. **Nevena Čule**, Aleksandar Lučić, Dragana Dražić, Vladan Popović, Milorad Veselinović, Ljiljana Brašanac-Bosanac, Suzana Mitrović (2017): Construction of floating treatment wetlands for remediation of polluted waters. Sustainable forestry, Institute of Forestry, Belgrade, Republic of Serbia. Vol. 75-76, pp. 1-12 ISSN 1821-1046. UDK502.174+502.51:504.5=111, UDK 574.63:628.3=111. (M52)
11. Dražić, M., Rakonjac, Lj., Jović, Đ., **Čule, N.**, Jovanović, Lj. (2021): Funkcionalnost prigradskih šuma Beograda. U: D. Dražić (ed.): Multifunkcionalna valorizacija šuma Beograda. Institut za šumarstvo, Beograd, Srbija. 475-700. ISBN: 978-86-80439-45-7. COBISS.SR-ID 31709449 (M45)
12. Veselinović, M., Dražić, D., Čule, N., Mitrović, S. (2021): Zaštitne šume i šume posebne namene osnovane u postupku biološke rekultivacije degradiranih prostora.. U: D. Dražić (ed.): Multifunkcionalna valorizacija šuma Beograda. Institut za šumarstvo, Beograd, Srbija. 705-746. ISBN: 978-86-80439-45-7. COBISS.SR-ID 31709449 (M45)
13. **Čule, N.**, Lučić, A., Miletić, Z., Veselinović, M., Mitrović, S. (2020): Removal of phosphorus and nitrogen in modified floating treatment wetland, Proceedings of 28th International Conference Ecological Truth and Environmental Research - EcoTER'20, University of Belgrade, Technical faculty in Bor (Serbia), pp. 94 - 99, isbn: 978-86-6305-104-1, Serbia, 16. - 19. Jun, 2020 (M33)
14. **Čule, N.**, Mitrović, S., Dražić, D., Brašanac-Bosanac, Lj., Veselinović, M., Nešić, M. (2019): The possibility of placing floating islands on post-mining basin lakes. In: V. Pavlović (ed.): Proceedings of 9th International Conference Coal 2019. 23-26 October 2019, Zlatibor, Serbia. 41-48. ISBN 978-86-83497-26-3. Publisher: Yugoslav Opencast Mining Committee (Jugoslovenski komitet za površinsku eksploataciju) (M33)
15. Dragana Dražić, Ljiljana Brašanac, Đorđe Jović, Milorad Veselinović, **Nevena Čule**, Suzana Mitrović (2015): Integral evaluation of Belgrade forest resources functionality. In: D., Kovačević (ed.): Book of Proceedings VI International Scientific Agricultural Symposium "Agrosym 2015", 15th-18th October 2015, Jahorina, Republic of Srpska, Bosnia and Herzegovina, 2058-2065. DOI 10.7251/AGSY15052058D, ISBN 978-99976-632-2-1. (M33)

Honours and awards

- 2019 **Čule, N.**, Nešić, M., Brašanac-Bosanac, Lj. (2019): Project „ Determination of the efficiency and ecological suitability of floating islands for the treatment of polluted lake water “, Winner of the Award / Grant within the program “Start Up for Science”. (2019) for the realisation of scientific projects in research field of biomedical and natural sciences and the contribution to the development of science in Serbia . The award is given by the Center for Leadership Development with the financial support of the company Philip Morris Operations a.d. Nis . The award was presented on June 6, 2019 in Belgrade. (M109)
- 2016 **Čule N.** (2016): Phytoremediation of polluted water by plant *Canna indica* L. and selected decorative macrophytes. Doctoral dissertation, University of Belgrade, 1-258. Winner of the Award given by Belgrade Chamber of Commerce for the best doctoral thesis of the faculty students in year 2015/2016. The award is given annually for the best doctoral dissertation, master's thesis and graduation thesis of faculty and advanced school students, which are applicable or of significance to Belgrade's economy. (M109)
- 2013 Energy Globe Award for the project „Zero CO2 Emission Sustainable Eco-Settlement Zagora“. One of today's most prestigious environmental awards is given annually within a country to successful sustainable projects which conserve and protect resources or that employ renewable energy.
- 2004 **Nešić, N.** (2004): Constructed wetlands for the treatment of domestic wastewater. Graduation thesis, University of Belgrade, Faculty of Forestry. Winner of the Award given by Belgrade Chamber of Commerce for the best doctoral thesis of the faculty students in year 2003/2004.
- 1999 “EX PONTO”award for NGO and NPO “First Aid - Real Help”, the award is given annually to individuals or organizations that have distinguished themselves during the year, particularly in working with refugees and displaced persons

Memberships

- World Association of Soil and Water Conservation (WASWAC)
- International Union of Forest Research Organization (IUFRO)
- European Forest Institute (EFI)
- Association of Forestry Engineers and Technicians of Serbia
- Serbian Association of Landscape Architects (UPAS)