

PERSONAL INFORMATION

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Phone: +359 879033512

Sex: Male

Nationality: Bulgarian

Birth date: September 22, 1975



EDUCATION

B.Sc. Ecology and Environmental Protection, [University of Forestry](#), Sofia, Bulgaria, 2004;

M.Sc. Environment Protection and Ecological Monitoring, [University of Forestry](#), Sofia, Bulgaria, 2006 (*[Spatial Patterns of Small Mammal Communities at Two Regions of Tundja's Hilly Plain](#)*);

Ph.D. *[Gradient analysis of vegetation on the south slope of Vitosha Mountain](#)*, [University of Forestry](#), Sofia, Bulgaria, 2013;

WORK EXPERIENCE

1 Data Analyst: SAPI Ltd – 2023-2024;

2 Freelance Data Scientist: [Upwork](#) - 2022-present;

3 Freelance Data Scientist and Biostatistician: [Kolabtree](#) - 2019-present;

4 Associated Editor: [Applied Ecology and Environmental Research](#) – 2016-present;

5 Manuscript Editor: [Crimson Interactive](#) – 2018-2018;

6 Manuscript Editor: [Cactus Communications](#) – 2017-2017;

7 Assistant Professor: [University of Forestry](#), Sofia, Bulgaria – 2006-2017.

TECHNICAL SKILLS

Mother tongue: Bulgarian

Other languages: English

Listening: B2 Reading: B2 Speaking: B1 Writing: B1

Computer skills:

1 Linux/Windows Office (Word, Excel, etc.);

2 R (*[tidyverse](#)* - ggplot2, readr, purrr, dplyr, tidyr, forcats, stringr, tibble; *[tidymodels](#)* - rsample, recipes, parsnip, tune, yardstick; *[lubridate](#)*, etc.).

RESEARCH PROFILE

vegetation ecology, gradient analysis of vegetation, plant diversity, plant conservation, invasive plant species, vegetation succession, vegetation disturbance, vegetation assembly rules

RESEARCH PROJECTS

- 1 Secondary succession following windthrow in a beech forest – 2016-2017;
- 2 Mapping of species distribution and habitat conservation status assessment – 2013;
- 3 Alien species invasion of riparian forests on the territory of Maintained Reserve “Dolna Topchia” according to environmental gradients and management regime, Southeastern Bulgaria – 2009;
- 4 Gradient analysis of vegetation on the south slope of Vitosha Mountain, Western Bulgaria – 2008-2009;
- 5 Secondary succession following windfall on the territory of study and training forestry unit “G. Avramov” – Yundola, Bulgaria – 2006;
- 6 Spatial patterns of small mammal communities in two regions of Tundzha River’s hilly plain, Bulgaria – 2005;
- 7 Biodiversity assessment of Eastern Rhodopes, Bulgaria – 2005.

SMALL CODING PROJECTS

<https://rpubs.com/NickD>

APPS

<https://nickydy.shinyapps.io/elections/>
<https://nickydy.shinyapps.io/prices/>
<https://nickydy.shinyapps.io/address/>
<https://nickydy.shinyapps.io/climate/>

PUBLICATIONS

- 1 Dyakov, N. 2018. [Testing for assembly rules along disturbance gradients in a riparian broadleaved forest](#). Applied Ecology and Environmental Research 17 (1): 1-13
- 2 Dyakov, N. 2017. [Spatial distribution of some alien plants across a restricted mountainous area](#). Contemporary Problems of Ecology 9: 663-673
- 3 Dyakov, N. 2016. [Spatial distribution of dominant plant species according to local environmental gradients](#). Applied Ecology and Environmental Research 14: 327-347
- 4 Dyakov, N. 2016. [Modeling plant species diversity pattern in a local environmental space](#). Applied Ecology and Environmental Research 14: 441-459
- 5 Dyakov, N. 2015. [Rare plant distribution modeling using indirect environmental gradients](#). Russian Journal of Ecology 46: 332-338
- 6 Gruychev, G., Dyakov, N. & Dimitrov, D. 2014. [Habitat variables influencing chukar partridge decrease in Southeastern Bulgaria](#). Folia Zoologica 63: 171-179.
- 7 Dyakov, N. 2014. [Gradient analysis of vegetation on the south slope of Vitosha mountain, Southwest Bulgaria](#). Applied Ecology and Environmental Research 12: 1003-1025.
- 8 Dyakov, N. & Zhelev, P. 2013. [Alien species invasion and diversity of riparian forest according to environmental gradients and disturbance regime](#). Applied Ecology and Environmental Research 11: 249-272.
- 9 Dyakov, N. 2013. [Successional Pattern, Stand Structure and Regeneration of Forest Vegetation According to Local Environmental Gradients](#). Ecologia Balkanica Vol. 5, Issue 1, pp. 69-85.
- 10 Gruychev, G. & Dyakov, N. 2012. [First confirmed breeding of Woodcock \(*Scolopax rusticola* L.\) in Vitosha Mt \(CW Bulgaria\)](#). Acrocephalus 151: 213-214.
- 11 Dyakov, N. 2012. [Classification of forest vegetation on the south slope of Vitosha Mountain, Western Bulgaria](#). Forestry Ideas 43: 57-77.
- 12 Dyakov, N. 2010. [Gradient analysis: theory, approaches, and application](#). Forest Science 47: 3-20.