

NEOBIOTA 2024 BOOK OF ABSTRACTS

13
TH

INTERNATIONAL
CONFERENCE ON
BIOLOGICAL
INVASIONS

3RD-6TH SEPTEMBER
2024
LISBON
PORTUGAL



Neobiota 2024 Book of Abstracts

Publisher:
Universidade de Évora

Edition, Coordination and Revision:
Pedro Anastácio, Pedro Brandão, Paula Chainho,
Helena Trindade, Filipe Ribeiro

Design:
Miguel Santos
Catarina Raio

1st edition: September 2024

ISBN:
978-972-778-416-5

This abstract book was compiled and edited by Pedro Anastácio, Pedro Brandão, Paula Chainho, Helena Trindade and Filipe Ribeiro. We thank all the authors for their contributions and the Abstract reviewers from the scientific and organizing committees for their invaluable feedback.

To cite this abstract book:
Anastácio, P., Brandão, P., Chainho, P., Trindade, H. & Ribeiro, F. (Eds.). (2024). *Neobiota 2024 Book of Abstracts*. MARE – Marine and Environmental Research Centre, Faculty of Sciences of the University of Lisbon and University of Évora.

To cite an individual abstract:
[Author(s)]. 2024. [Title of the Abstract]. In: *Neobiota 2024 Book of Abstracts*. Anastácio, P., Brandão, P., Chainho, P., Trindade, H. & Ribeiro, F. (Eds.). [page numbers]. 3-6 September. Lisbon, Portugal.



Session 5 – Conservation issues and biological invasions

COTONEASTER SPECIES FROM THE SERIES BULLATI – A NEW ALLOCHTHONOUS SHRUB FOR THE FLORA OF SERBIA AND THE BALKAN PENINSULA

Vera Stanković¹, Vladan Djordjević², Predrag Lazarević², Nejc Jogan³, Eva Kabaš²

1- Institute of Criminological and Sociological Research, Gračanička 18, 11000 Belgrade, Serbia; 2- University of Belgrade, Faculty of Biology, Institute of Botany and Botanical Garden "Jevremovac", Takovska 43, 11000 Belgrade, Serbia; 3 - University of Ljubljana, Biotechnical Faculty, Department of Biology, Jamnikarjeva 101, 1000 Ljubljana, Slovenia

Non-native species, especially invasive ones, are a constant threat to native flora. They are becoming increasingly prevalent in new areas due to rapid urbanization, trade, tourism, agriculture and climate change. The patterns of their distribution and abundance have not been sufficiently studied in the mountainous areas of Serbia and the Balkan Peninsula.

During floristic surveys of the Zlatibor Nature Park (Western Serbia) in the period 2020–2023, the population of *Cotoneaster* from the series *Bullati* was discovered in the wider vicinity of the locality Partizanske vode, in the forest community of *Pinus nigra* and *P. sylvestris* right next to the highway. This is a new allochthonous taxon for the flora of Serbia and the Balkan Peninsula. The native ranges of the taxa from this group are restricted to Southwestern China. Detailed data on the distribution, morphology, ecology, habitat preferences and population size of the newly-recorded *Cotoneaster* taxon are presented. The population is most likely of sub spontaneous origin, counting c. 30 individuals, with a significant degree of cover in the shrub layer. Given the fact that the taxon has penetrated far into the pine forest, it is feared that the species could spread into the surrounding natural pine forest habitats as well.

Keywords: *Cotoneaster*, potential spread, non-native mountain species, Serbia.

Acknowledgements: The research was supported by the Science Fund of the Republic of Serbia, grant number 7750112 "Balkan biodiversity across spatial and temporal scales – patterns and mechanisms driving vascular plant diversity (BalkBioDrivers)", and the State Enterprise for Forest Management "Srbijašume", Forest Estate "Užice" – Protected plants monitoring project.

THE NEOBIOTA ASSOCIATION

NEOBIOTA is an international scientific organization dedicated to the study of biological invasions. It promotes collaboration among researchers, policymakers, and practitioners to understand and mitigate the impacts of invasive species on biodiversity, ecosystems, and human well-being.

CONFERENCE
>>> 3-6 20
SEPT 24

LOOKING
FORWARD TO
SEE YOU IN
LISBON

