

## PERSONAL INFORMATION

## Marcel ȚÎBÎRNAC



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Sex Male | Date of birth 21/08/1982 | Nationality Romanian

JOB APPLIED FOR POSITION  
PREFERRED JOB

## Biodiversity / Botany and Habitats Expert

## WORK EXPERIENCE

April 2019 - present

**Habitats monitoring expert (components of: dunes habitats, freshwater habitats, grassland habitats and rock debris habitats)** - Project: "Completing biodiversity awareness through implementation of the monitoring system for the conservation status of species and habitats Community interest in Romania and reporting under Article 17 of the Habitats Directive 92/43/EEC", SMIS code: 120009

Institute of Biology Bucharest – Romanian Academy

- Analysing, verifying and collecting data on the distribution of Community interest habitats
- Collecting data in the field for the development of inventories and maps for Community interest habitats
- Analysing, verifying and validating the data collected in the field for the elaboration of the assessment reports for the conservation status of the Community interest habitats
- Contributing to the updating of the Community Habitats Monitoring Guide

Business or sector Romanian structure for organizing biological research

August 2018 - present

**Principal Habitat and Botanical Expert** - Project: "Integrated Management of the North Dobrogean Plateau", SMIS code: 116964

DAKIA Association for Sustainable Development

- elaboration of protocols and methodologies for collection and analysis of data on the 10 natural habitat types and 74 plant species targeted by the project
- Participation in the implementation of the monitoring program for the 10 natural habitat types and 74 plant species targeted by the project
- Analysing and synthesizing information on ecosystems to characterize them
- Assessing the impact on 10 types of natural habitats and 74 plant species targeted by the project
- Participation in the evaluation of the conservation status and the establishment of conservation measures for the 10 natural habitat types and 74 plant species targeted by the project
- Providing specialized expertise in the field of botany for the production of information materials
- Elaboration of monthly reports on the activities carried out and the delivery of the deliverables within the project
- Supporting information and technical clarification of the audit process of a project

Business or sector Sustainable development of the society by knowledge, research, promote, use and support of the natural, cultural, technical and scientific values

January - September 2018

**Project Manager** - Project: "Integrated Management of Biodiversity in Slatioara gravel pit"

HEIDELBERGCEMENT Romania S.A.

- Coordinating the implementation of all activities focused on biodiversity conservation by elaborating the Biodiversity Management Plan within the Slatioara gravel pit
- Coordinating the team of experts
- Organizing and conducting field-gathering campaigns on biodiversity (natural habitats and wild flora and fauna species), ecosystems (natural, semi-natural and anthropic), abiotic environment (geology, relief, hydrography, climate and pedology) anthropogenic (pressures and threats to biodiversity) and the socio-economic and cultural components of the area under investigation
- Ensuring the preparation of logistics, assistance and reporting of activities (including the final project report)
- Active participation and provision of specialized scientific expertise and other information necessary for the elaboration of the Biodiversity Management Plan within the Slatioara Ballast

**Business or sector** Aggregate, cement and concrete production

July 2017 - present

### Ecologist

National Company for Road Infrastructure Administration (C.N.A.I.R. S.A.)

- Analysing the documentation prepared by the designers / entrepreneurs required to obtain / revise the environmental agreement or the Natura 2000 approvals
- Representation of C.N.A.I.R. S.A. at meetings of the technical analysis commission, public debates, working groups carried out by the competent environmental authority to obtain regulatory acts
- Monitoring the progress of the procedures for obtaining / reviewing the decision of the classification stage, the environmental agreement, the Natura 2000 opinion, the declaration of the authority responsible for monitoring the Natura 2000 sites for the projects implemented within the C.N.A.I.R.
- Participation in technical inspections at the request of the project directories
- Participation in the reception committees at the end of the works and / or the final reception based on the decision of the General Manager

**Business or sector** Road infrastructure

April 2012 - July 2017

### Ecologist

SC EPC Consultanță de mediu SRL

- Development of scientific studies / reports on strategic environmental assessment, adequate assessment, environmental impact assessment, biodiversity monitoring (including inventory, mapping and assessment of the conservation status of biodiversity / species and habitats of national and community interest), ecological reconstruction, grassland support capacity, protected area management
- Making field observations by using equipment (biological material collection, sampling, physical-chemical measurements) and applying the methodologies / protocols specific to the implementation of environmental projects in order to characterize and describe the elements of biodiversity and the environmental impact assessment
- Coordination of field and office activities for the implementation of projects
- Validation of data and working methodologies, random survey of field activities of specialists / experts, certification of studies, database, maps in GIS format and correlation of information from studies with those from the specialized literature
- Participation in public debates, working groups, technical analysis commissions, client meetings, meetings with decision-makers and representatives of environmental authorities to implement projects
- Participation in the technical offerings teams for potential clients

**Business or sector** Environmental consulting in the field of environmental protection

October 2007 - July 2012

### Research Assistant / PhD student

University of Bucharest – Research Center of Systems Ecology, Eco-diversity and Sustainability

- Making field observations and measurements on control / physical-chemical parameters (including soil, water and air sampling) and aquatic and terrestrial status / ecosystem variables within four long-term socioeconomic research areas (Brăilei Islands, Danube Delta, Neajlov Basin and Bucegi-Prahova Valley)
- Setting up and conducting in-situ experiments
- Elaboration of scientific papers and reports for publication and / or participation in scientific sessions, conferences and symposia
- investigating the structural and functional features of the socio-economic systems (making questionnaires and interviews, organizing interactive debates)

**Business or sector** Education and research

## EDUCATION AND TRAINING

October 2007 - July 2012

### PhD in Environmental Science

University of Bucharest – Research Center of Systems Ecology, Eco-diversity and Sustainability

- Elaboration and public support of the Doctoral Thesis *"Structural and functional dynamic of primary procedures in terrestrial ecosystems in two long – term social ecological research sites (Brăila Islands and Neajlov Catchment)"*

October 2005 - June 2007

### Master of Science (M.Sc.) in Ecology and Environmental Protection

University of Pitești – Faculty of Sciences

- Elaboration and support of the Master's Thesis *"The scientific study of National Park Buila – Vânturarița – Vâlcea County"*

October 2000 - June 2005

### Bachelor of Science (B.Sc.) in "Engineering Sciences"

University "Dunărea de Jos" of Galați – Faculty of Engineering Sciences

- Elaboration and support of the Bachelor Project: *"The EK120C Labeling Machine. Economy and organization in the food industry"*

## PERSONAL SKILLS

Mother tongue

Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Russian	C2	C2	C2	C2	C2
French	B2	C1	B2	B2	C1
English	B2	B2	B2	B2	B2

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

[Common European Framework of Reference for Languages](#)

Communication skills

- The spirit and teamwork skills, effective management of relationships with other team members, conflict management capacity - skills acquired as a result of volunteering from several NGOs
- Good communication ability, dynamism, flexible thinking, proactive attitude, constructive reactivity in disputes of ideas, ability to adapt communication at different levels and styles depending on the interlocutors, ability to analyse and synthesize - skills acquired through participation in several programs / courses / educational schools

Organisational / managerial skills

- Good ability to organize tasks, organizational efficiency skills - Skills developed as a result of the experience gained in several research projects and volunteer programs
- Relevant organizational professional experience as a result of involvement in the activities that involved project proposals, the implementation of scientific projects and the development of the research infrastructure, management activities

Job-related skills

- Specific experience (in the study of the biodiversity elements of national and community interest) in the framework of 16 biodiversity assessment projects (15 projects co-financed from the European Regional Development Fund through the Sectoral Operational Program Environment, Priority Axis 4 "Implementation of Adequate Management Systems for Nature Protection" and a project funded by SEE Grants 2009-2014 and managed by the Ministry of Environment, Water and Forests through the Program RO02-Biodiversity and ecosystem services)
- Specific experience (in phytosociology / habitats / vegetation) within 4 research-development-innovation projects (a national exploratory research project / PN-II-ID-PCE-2008-2 financed by the Executive Unit for Higher Education Financing, Research, Development and Innovation and 3 European projects funded under the 7<sup>th</sup> Framework Program for Research and Technological Development / PC7)
- Specific experience in the analysis and assessment of biodiversity impact due to technical investment projects (over 35 projects)

- Very good knowledge of the use of specific equipment and software (inventory, mapping and monitoring of the conservation status of biodiversity components)
- Solid knowledge in the preparation of studies and reports on biodiversity (presentation memos, appropriate assessment, impact studies, environmental reports / inventory / mapping / assessment of ecological conservation status / reconstruction, strategic environmental assessment, monitoring reports, management for protected areas)
- Skills and competences in the numerical analysis of ecological data
- Good skills and competences in the development of maps (distribution of biodiversity elements)
- Experience in participating in public debates and technical analysis committees, meetings with clients and representatives of environmental authorities

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

- Very good computer skills using the software: ArcGIS, AutoCAD, Global Mapper, Paleontological Statistics (PAST), Microsoft Office, Network
- Good skills in making and editing photos

## Other skills

- Analytical thinking

## Driving licence

A and B categories

## ADDITIONAL INFORMATION

## Publications

- Dumitrașcu, M., Andrei, M., Preda, E., Țîbîrnac, M., Vădineanu, A., *Modificările morfologice ale unor specii de plante sub acțiunea presiunii mecanice*, În "Ecologie și Evoluționism: Origine, Dezvoltare și Perspective" (Morphological changes of some plant species under mechanical pressure, in "Ecology and Evolutionism: Origin, Development and Perspectives"), Conferința Națională a Societății Române de Ecologie, Galați 22-24 Octombrie 2009, Editura "Ars Docendi", București, 2010, ISBN 978-973-558-507-5, pag. 81-87
- Țîbîrnac, M., Andrei, M., Dumitrașcu, M., Preda, E., Vădineanu, A., *Analiza compoziției și structurii vegetației ierbacee din stațiile experimentului Multi-Site componente zonelor socio-ecologice de cercetare pe termen lung*, În "Ecologie și Evoluționism: Origine, Dezvoltare și Perspective" (Analysis of composition and structure of herbaceous vegetation in multi-site experimental stations of long-term socio-ecological research areas, in "Ecology and Evolutionism: Origin, Development and Perspectives"), Conferința Națională a Societății Române de Ecologie, Galați 22-24 Octombrie 2009, Editura "Ars Docendi", București, 2010, ISBN 978-973-558-507-5, pag. 89-96
- Țîbîrnac, M., Preda, E., Andrei, M., Dumitrașcu, M., Vădineanu, A., *Impact of recreation activities on vegetation in Romanian LTSE Sites*, În "Conservarea diversității plantelor", Simpozionul Științific Internațional consacrat aniversării a 60-a de la fondarea Grădinii Botanice (Institut) a Academiei de Științe a Moldovei, Chișinău 7-9 Octombrie 2010, Tipografia "Reclama S.A.", Chișinău, 2010, ISBN 978-9975-105-42-2, pag. 275-281
- Dumitrașcu, M., Andrei, M., Preda, E., Țîbîrnac, M., Vădineanu, A., *Trampling effects on plant species morphology*, Romanian Journal of Biology – Plant Biology, Vol. 55, nr. 2, Bucharest, 2010, ISSN 1843-3782, pag. 89-96
- Nistorescu, M., Doba, A., Țîbîrnac, M., Cosmoiu, D., Ilinca, C., Berchi, G.M., *Ghid de bune practici în vederea planificării și implementării investițiilor din sectorul microhidrocentrale* (Good Practice Guide for Planning and Implementing Investments in the Micro-Power Sector), Asociația „Grupul Milvus”, BUCUREȘTI, 2016, ISBN 978-973-0-23320-9
- Gagi, A., Țîbîrnac, M., Stănescu, S., *New data on the invertebrate biodiversity in Natura 2000 sites in Bihor county*, 2017, Oradea, NYMPHAEA Folia naturae Bihariae XLIV-63-76
- Dumitrașcu, M., Preda, E., Țîbîrnac, M., Andrei, M., Vădineanu, A., *Trampling effects on vegetation composition in Romanian LTSE sites*, Environmental Engineering and Management Journal, Vol. 16, nr. 11, 2017, pag. 2451-2459