



## Branko Andjic

**Address:** Andreas-Hofer-Platz 11/22, 4020, Linz, Austria

**Email address:** [brankoan01@gmail.com](mailto:brankoan01@gmail.com) **Email address:** [branko.andic@jku.at](mailto:branko.andic@jku.at)

**Phone number:** (+43) 66499963089

**Website:** <https://scholar.google.com/citations?user=WNgD4tkAAAAJ&hl=en>

**Twitter:** <https://twitter.com/home?lang=en>

**Gender:** Male **Date of birth:** 15/03/1988 **Nationality:** Montenegrin

### WORK EXPERIENCE

[ 01/06/2021 – Current ] **Researcher**

#### *Johannes Kepler University Linz - Linz School of Education*

**City:** Linz

**Country:** Austria

**Main activities and responsibilities:**

Responsible for collecting, organizing, and analyzing opinions and data to solve problems, explore issues, and predict trends. Also responsible for the preparation, application, and management of research projects.

[ 02/05/2020 – 01/06/2021 ] **Lecturer in Science Education**

#### *Faculty of Philosophy, Department of Education, University of Montenegro*

**City:** Podgorica

**Country:** Montenegro

**Main activities and responsibilities:**

Conceptualize, teach and grade pre-service and in-service courses in teachers' Science Education (e.g., pedagogy/methods, assessment, and Curriculum). Supervise students' teachers in practicum attachments and course assignments, and supervise masters and doctoral students. Development and conduction of the research in areas of science education, and paper publishing in top peer-reviewed international education journals.

[ 30/09/2016 – 22/07/2020 ] **Educational researcher, doctoral students**

#### *Ministry of Science (Montenegro)*

**City:** Podgorica

**Country:** Montenegro

**Main activities and responsibilities:**

Organization and realization of doctoral research. Analysis of results, writing scientific papers and participation in conferences.

[ 31/08/2012 – 01/05/2020 ] **Biology teacher secondary school**

#### *School "Radojica Perovic" Podgorica*

**City:** Podgorica

**Country:** Montenegro

**Main activities and responsibilities:**

Preparing and delivering engaging biology lessons to students from different backgrounds, who all have different interests and abilities. Monitoring student

performance, and adjusting teaching strategies and techniques for improved content delivery. Establishing classroom, laboratory, and field trip rules and ensuring all students understand and accept them. Setting up exams, assessments, and experiments in accordance with curriculum requirements of state.

## EDUCATION AND TRAINING

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- [ 30/11/2015 – 22/07/2020 ] **Doctor of Biological-educational science**  
*University of Montenegro* <https://www.ucg.ac.me/>  
**Address:** Cetinjski Put, 81000, Podgorica , Montenegro
- [ 31/05/2018 – 29/11/2019 ] **Doctoral students training for STEM Education Research Methods**  
*Johannes Kepler University Linz, Austria* <https://www.jku.at/en/linz-school-of-education/research/doctoral-school/>  
**Address:** Altenbergerstraße, 69, 4040, Linz, Austria
- [ 13/02/2019 – 16/03/2020 ] **Doctoral students training for research in inclusive education**  
*University of Bath United Kingdom* <https://researchportal.bath.ac.uk/en/publications/dichotomous-keys-in-the-botanical-learning-of-non-visual-blind-pe>  
**Address:** Claverton Down, , BA2 7AY, Bath, United Kingdom
- [ 31/05/2019 – 31/08/2019 ] **Training for statistical processing the data in social science research**  
*University of Maribor Slovenia* <https://www.um.si/en/Pages/default.aspx>  
**Address:** Slomškov trg, 15, Maribor, Slovenia
- [ 31/05/2017 – 31/12/2017 ] **Training for environmental education research**  
*Training for environmental education research* <https://www.uni-graz.at/en/>  
**Address:** Universitätspl 3, 8010, Graz, Austria
- [ 30/09/2018 – 31/05/2019 ] **Project Manager in research, social and technological innovation project management**  
*Centre for Social Innovation Vienna* <https://www.zsi.at/en>  
**Address:** Linke Wienzeile 246, 1150, Vienna, Austria
- [ 30/09/2011 – 11/02/2014 ] **Master of Biological science**  
*University of Montenegro*  
**Address:** Cetinjski Put 2, 81000, Podgorica , Montenegro
- [ 31/08/2006 – 30/04/2010 ] **Bachelor of Biology**  
*University of Montenegro*  
**Address:** Cetinjski Put 2, 81000, Podgorica, Montenegro

## LANGUAGE SKILLS

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**Mother tongue(s):** Serbian, Croatian, Montenegrin

**Other language(s):**

### English

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

### German

**LISTENING B1 READING B1 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1**

## DIGITAL SKILLS

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### My Digital Skills

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Outlook | IBM SPSS

## DRIVING LICENCE

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**Cars:** B

## HONOURS AND AWARDS

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[ 30/04/2018 ] **Central European Exchange Program for University Studies Awarding institution:** CEEPUS

(Central European Exchange Program for University Studies) is an exchange academic programme in the fields of education and research which involves 15 Central-European countries, that offers both teachers and students opportunities to spend a study or teaching period abroad at the partner universities.

[ 09/01/2019 ] **The British Scholarship Trust scholarship Awarding institution:** The British Scholarship Trust scholarship

The British Scholarship Trust offers grants for short-term research at universities throughout the United Kingdom to graduate students

<https://www.britishscholarshiptrust.org/scholars/>

[ 10/04/2019 ]

**Award of National Committee of the Republic of Slovenia for foreign students**

**Awarding institution:** Ministry of Education, Science and Sport Slovenia

The Ministry of Education, Science and Sport of the Republic of Slovenia each year offers a number of scholarship months to foreign nationals, on the basis of bilateral agreements (between the governments/ministries) and potential of applicant.

[ 09/09/2016 ] **National Prize for Excellent Researcher Awarding institution:** Ministry of Science of Montenegro

National Prize for Excellent Researcher award is intended for young researchers in Montenegro for their contribution to scientific research and publication of scientific papers.

[https://www.heric.me/sites/heric.me/files/rang\\_lista\\_odobrenih\\_stipendija\\_za\\_doktorske\\_studije\\_2016.pdf](https://www.heric.me/sites/heric.me/files/rang_lista_odobrenih_stipendija_za_doktorske_studije_2016.pdf)

[ 22/05/2016 ]

### **The first Coach Award Open European Championship, For Inspiration and Recognition of Science**

**Awarding institution:** For Inspiration and Recognition of Science and Technology (FIRST)

Coaches and mentors inspire their teams to do their best, both as individuals and together. This award goes to the coach or mentor whose leadership and guidance is clearly evident and best exemplifies the *FIRST* LEGO League Core Values.

[https://en.wikipedia.org/wiki/FIRST\\_Lego\\_League\\_Open\\_Championships#2016\\_Tenerife,\\_Spain](https://en.wikipedia.org/wiki/FIRST_Lego_League_Open_Championships#2016_Tenerife,_Spain)

## **LECTURES AT THE UNIVERSITY LEVEL**

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[ 14/01/2019 ]

### **Dichotomous key as teaching tools for developing the student's creativity in primary and secondary**

A lecture was held for postgraduate and doctoral students on the application of digital dichotomous keys in the teaching of biology in primary and secondary schools.

[ 04/12/2017 ]

### **Diversity and ecological analysis of the bryophytes of Cijevna river (Montenegro and Albania)**

[http://nawiverein.uni-graz.at/downloads/Programm\\_1\\_18.pdf](http://nawiverein.uni-graz.at/downloads/Programm_1_18.pdf)

[ 08/02/2022 – 09/03/2022 ] **Punte - poly-universe in teacher training education**

## **AUTHOR AND TRAINER OF IN-SERVICE TEACHER TRAINING PROGRAMS**

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[ 31/08/2015 – 31/08/2016 ] **The use of educational games in teaching**

This training was intended for primary and secondary school teachers to create and implement educational games in teaching. The training was approved and funded by the Ministry of Education of Montenegro.

[ 31/08/2016 – 31/08/2017 ]

### **Realization of mechatronic teaching contents in primary and secondary education**

This training included content aimed at providing primary and secondary school teachers with an insight into how to teach their students about robotics. The training was approved and funded by the Ministry of Education of Montenegro.

## PROJECTS

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### [ 01/09/2020 – Current ] **PUNTE-Poly-UNiverse in Teacher Training Education**

The aim of our project Poly-UNiverse in Teacher Training Education (PUNTE) is to develop, test and disseminate new innovative, deeply trans-disciplinary pedagogical methods in teacher training of the fields of STEAM and beyond. Based on a recently developed Poly-UNiverse tool we intend to build a new, module-based educational framework of improving disciplinary and transversal skills of future teachers, and stimulate a kind of visual paradigm shift in teacher training higher education in various programme and partner countries. The consortium consists of 8 members from 7 European countries, and an associated partner from the United States. The aim of PUNTE consortium is to make a significant step towards establishing long-term impact of this approach through systemic introduction of this tool into the framework of teacher training higher education.

<http://www.punte.eu/>

[ 01/09/2020 – Current ]

### **STEAM upgrade-Upgrading pre- and in-service teachers' digital skills with online STEAM hands-on training modules**

The aim of this project is to create a digital competence assessment model for STEAM learning; learning modules for the development of STEAM competencies among primary, basic, and secondary education teachers; an open repository of study materials, and a virtual STEAM laboratory for submitting study materials and a guide for using the materials. Our focus is on improving the digital skills of pre-and in-service teachers of early childhood, primary and secondary school.

<https://erasmus-plus.ec.europa.eu/projects/search/details/2020-1-EE01-KA203-077987>

### [ 01/09/2020 – Current ] **STEAM-BOX: Courses, Tools, Resources for Teachers**

Transdisciplinary integration of STEAM fields in the learning process is an emerging concept. This growing phenomenon took its part in many educational policy reports, including new skills and key competencies that needed to have in the knowledge century. Although a recent study highlights the need for integration, there is still a gap in the field of implementation. Relevant literature indicates that to transfer the theory into practice 1) knowledge, skills, and experience of teachers 2) infrastructure, platforms, and tools, 3) educational resources are some of the most important factors in the integration process. From this perspective, STEAM-BOX aims to lead teachers to help secondary school students (aged 14-18) to increase their levels of achievement and interest in STEAM by providing them: Gamified GeoGebra Platform; Open Online Course about STEAM Education; Open Educational Resources on STEAM Education; e-book about STEAM education.

<http://steamboxproject.eu/>

[ 01/03/2020 – Current ]

### **STEAM+ Innovating STE(A)M in Higher Education with Transdisciplinary Talent Programs**

The main objective of our STEAM+ project is to innovate higher education for handling complex challenges, using knowledge, experience, and innovative pedagogies of talent or honors programs in the form of transdisciplinary Innovation Labs as a laboratory for introducing a STEAM+ approach.

<https://www.steamtalent.eu/>

[ 31/01/2019 – 31/10/2019 ] **Digital teaching technologies as scaffolding tools in inclusive education**

Overall objective: To develop digital educational tools for inclusive education to be used in classrooms for cooperative learning between students with disabilities and students without disabilities and materials for teacher training that provide guidance supporting teachers in the using the tools. This project involved 200 teachers who were trained in the application of modern technology in inclusive education, as well as 300 students. Participants in the project were from Montenegro, Bosnia and Herzegovina and Austria.

<https://pjp-eu.coe.int/en/web/charter-edc-hre-pilot-projects/digital-teaching-technologies-as-scaffolding-tools-in-inclusive-education>

[ 09/03/2017 – 29/12/2018 ] **Epiphytic organisms as bio indicators of the state of environment**

The main objectives of proposed project are following: Registering species of epiphytic vegetation - mosses, fungi and lichens in urban areas, including assessment of the state of recorded species populations, with emphasis on the presence of indicator species; Contribution to the creation of a more comprehensive picture of biodiversity in urban areas.

[ 31/08/2017 – 31/08/2018 ] **PlantDet**

This project involved the development and implementation of an application that enabled primary school students to explore their environment. The project included application development, teacher training, and testing the application's contribution to students' cognitive and affective domains. At total project involved 60 teachers and 180 students from Montenegro.

<https://www.telenor.me/en/about-telenor/news/news-and-press-releases/free-educational-software-about-plants-available-soon/>

[ 31/07/2017 – 31/08/2018 ] **Research and Protection the Moss Biodiversity on Cijevna River**

This project included the research of the mosses of one of the largest rivers in Montenegro and the examination of the possibilities for the organization of field teaching of biology in the valley of this river.

[https://www.rufford.org/projects/branko\\_andjic\\_0](https://www.rufford.org/projects/branko_andjic_0)