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## Eko STEM programi u knjižnici Augusta Cesarca

### Sažetak

U sklopu projekta Zelena knjižnica za zeleni Zagreb te kroz suradnju s lokalnim udrugama i institucijama knjižničari Knjižnice Augusta Cesarca provode aktivnosti osvješćivanja mladih i odraslih korisnika o ekološkim pitanjima i održivosti. Inovativnim eko STEM radionicama uz interdisciplinarni pristup i primjenu suvremenih tehnologija knjižničari potiču digitalno i ekološko opismenjavanje korisnika. Osim toga, knjižničari razvijaju vlastite kompetencije o ekološkom i održivom razvoju uz upotrebu digitalnih tehnologija.

Eko STEM radionice koje se kontinuirano provode u knjižnici su: Stvori svoj STEM vrt uz primjenu zelenih tehnologija i AQ:bit – radionica građanske znanosti. Na radionicama se koriste Arduino i AQ:bit tehnologije te se programira micro:bit.

Cilj posterskog izlaganja je prikazati primjere dobre prakse u provođenju ekoloških i digitalnih programa u Knjižnici Augusta Cesarca.

**Glavne riječi:** digitalna pismenost, ekološka pismenost, građanska znanost, narodna knjižnica, STEM

**Oblik izlaganja:** poster

## Eco STEM Programs at the August Cesarec Library

### Abstract

As part of the Green Library for a Green Zagreb project and through collaboration with local associations and institutions, librarians at the August Cesarec Library conduct activities to raise awareness among young and adult patrons about environmental issues and sustainability. Through innovative eco-STEM workshops, using an interdisciplinary approach and the application of modern technologies, librarians encourage digital and ecological literacy among patrons. Additionally, librarians are developing their own competencies in ecological and sustainable development through the use of digital technologies.

The eco-STEM workshops that are continuously conducted in the library include: Create Your STEM Garden with Green Technologies and AQ:bit– Citizen Science Workshop. These workshops use Arduino and AQ:bit technologies, and micro:bit programming is implemented.


The aim of the poster presentation is to showcase examples of best practices in conducting ecological and digital programs at the August Cesarec Library.

**Keywords:** citizen science, digital literacy, ecological literacy, public library, STEM

**Presentation format:** poster

### Biografije

Tito Kliska magistar je talijanistike i magistar bibliotekarstva, videomontažer. Od 2017. kao knjižničar promiče knjigu i čitanje organiziranjem raznovrsnih događanja. Vodi inovativne radionice iz područja građanske znanosti, ekologije, robotike, programiranja, umjetne inteligencije i STEM-a. Educira se u području UI. Redovni je član Komisije za informacijske tehnologije pri HKD-u te Radne grupe za građansku znanost pri ZKD-u.



Suosnivač je male slobodne knjižnice ZAGFlybrary u zagrebačkoj zračnoj luci. U rujnu 2024. postaje koordinator Knjižnice Jelkovec.

Alenka Melkić nakon završenog studija sociologije i bibliotekarstva na Filozofskom fakultetu u Zagrebu od 2007. godine radi kao knjižničarka na Odjelu za djecu i mlade, a 2024. prelazi na Odjel za odrasle gdje organizira programe za poticanje čitanja, razvoja čitalačke, ekološke i digitalne pismenosti. Koordinator je aktivnosti u sklopu projekta Zelena knjižnica za zeleni Zagreb, članica je Radne grupe za građansku znanost u knjižnicama ZKD-a te administrira Facebook i web stranicu knjižnice.

#### Biographies

Tito Kliska is Master of Italian Studies and Master of Librarianship, video editor. Since 2017 as a librarian he promotes books and reading by organizing a variety of events. He leads innovative workshops in the fields of citizen science, ecology, robotics, programming, artificial intelligence and STEM. He is furthering his education in AI. He is a regular member of the Information Technology Commission at the Croatian Library Association and the Working Group for Citizen Science at the Zagreb Library Association. He is a co-founder of the small free library ZAGFlybrary at Zagreb Airport. In September 2024 he became the coordinator of the Jelkovec Library.

After completing her studies in sociology and library science at the Faculty of Humanities and Social Sciences in Zagreb, Alenka Melkić has been working as a librarian in the Children's and Youth Department since 2007. In 2024, she transferred to the Adult Department, where she organizes programs to promote reading, and develop reading, ecological, and digital literacy. She is the coordinator of activities within the "Green Library for a Green Zagreb" project, a member of the Working Group for Citizen Science in ZKD Libraries, and manages the library's Facebook page and website.