

The use of applications for recognizing plants in teaching biology in primary school.

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Abstract

Modern technologies are ubiquitous and cannot be ignored during school lessons. The use of these technologies helps teachers reach students in transferring knowledge in an accessible and attractive way, taking into account the individual needs and abilities of students. Modern technologies can be used to identify plants during biology lessons in the field. Being able to identify plant species is an important factor for understanding biodiversity and its change due to natural and anthropogenic drivers (Mäder, P. et al. J., 2021)

Widely available and inexpensive applications for mobile phones offer users the possibility of simple and quick automatic identification of species, without the need for field guides and identification keys.

These applications are constantly being improved and can be used in teaching biology as a fairly reliable source of knowledge about plants (Pärtel, J., Pärtel, M., & Wäldchen, J., 2021).

The article describes the possibilities of using an application for recognizing plants in biology lessons in primary school.

Biology lessons based on traditional and modern methods using a mobile application were compared. In these lessons, students gained knowledge using a plant identification application and traditional plant identification keys. Attention was also drawn to the positive impact of these techniques on the involvement and motivation of students to learn.

References

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Keywords

automated plant species identification, learning, didactics of biology, learning mobile app