

## **AgroLight Forum**

**November 8, 2023 09:30**

**MATE University, Buda Campus, Budapest Villányi út 29-43.**

The **Lighting Society of Hungary (VTT)** will organize the **AgroLight Forum on November 8, 2023**, for which they are waiting for presentation proposals from professionals and university researchers working in the applications of lighting technology in crop cultivation and animal husbandry to the following email address: [vtt@vilagitas.org](mailto:vtt@vilagitas.org). The AgroLight Forum also provides opportunity for companies to introduce themselves and exhibit.

Artificial lighting plays an increasingly important role in agriculture. Light sources have been used for many years in greenhouses to increase crop yields. In indoor plant cultivation only LEDs provide the necessary light for plants to grow. In closed stables, artificial light shapes the biorhythm of the breeding animals. The light can affect the behavior, nutrition, and reproduction of the animals.

The task is to adjust the spectral composition and intensity of light both in the lighting of the human environment and in agricultural applications, but at the same time, professionals working in different fields use different concepts and quantities to characterize lighting. Methodological differences can make communication difficult between developers and users of lighting systems.

The AgroLight Forum creates an opportunity for dialogue for professionals and researchers dealing with technical and agricultural sciences. In addition to sharing the latest results and practical experiences, the main goal of the event is to clarify the definitions of Hungarian technical terms, expressions, and quantities published in international standards.

Presentations shall cover the following topics:

- Lighting systems used in agriculture
- The role of light in plant and animal breeding
- Light programs and light recipes used in indoor plant cultivation
- Reliability and lifetime of lighting fixtures in agricultural applications
- Measuring the energy efficiency of lighting fixtures used in agriculture
- Measurement methods, lighting requirements in agricultural environment
- Lighting control and regulation in agricultural applications

Website: <https://vilagitas.org/2023/07/24/agrolight-forum-felhivas/>