



University of Pécs
1367



AFLAVIEW

Optical-based instrument for detecting aflatoxin infection

CHALLENGE

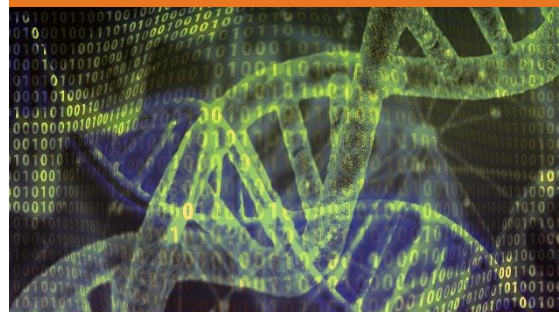
Aflatoxins are naturally occurring, carcinogenic mycotoxins (fungal toxins) that are dangerous to both mammals and humans, and are produced by the molds *Aspergillus flavus* and *Aspergillus parasiticus*. Their rapid and accurate detection is crucial during the harvest and storage of grains, especially corn.

SOLUTION

The Aflaview testing instrument precisely implements the optical conditions necessary for the accurate detection of aflatoxin fluorescence. With special camera detection and image analysis software, it evaluates and documents the properties of the sample and detects the aflatoxin content.



AFLAVIEW



INVESTMENT HOOK

The Aflaview instrument, after optical-based detection, provides the aflatoxin content of the tested sample with computer evaluation, non-destructively, quickly, accurately and even in field conditions. The innovative technology has been validated under real conditions and operates with a faster, more accurate and more efficient system compared to a small number of competitors. The instrument can be used in many areas of the agricultural sector.

WE ARE SEEKING FOR

Potential partners, co-investors, distributors interested in further developing and bringing the invention to market. We are opened to generate unique joint projects, further development and investment solutions, even in terms of establishing a joint venture (spin off).

THE TEAM

Dr. János Eröstyák

Associate Professor
UoP Faculty of Science, Institute of Physics
Project leader, device development, validation, IT, Product design, project management



Dr. Árpád Czéh

Associate Professor
UoP Faculty of Science, Institute of Chemistry
Chemical and biological testing, validation

TRL 5-6

TECHNOLOGY READINESS LEVEL

\$ 8,2 Billion

(5-6% CAGR)

MARKET

12 MONTHS MARKET ENTRY

FEW COMPETITORS

QUICK MARKET ENTRY



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