Abstract

The genus Phytophthora encompasses economically important plant pathogens. To date, up to 90 species have been described in this genus. There is no comprehensive key available for the identification of the all described Phytophthora species. This paper, describes a web-based identification tool (which has been described by the authors under the name of Fungid) that uses morphologic features. The characters used are the same as the synoptic keys of Gerrettson-Cornell (1994) and Ho (1981) [1, 2]. For the isolate in question, the software compares the unknown isolate with more than 40 known species submitted in the database. One or more than one species is suggested to the user by the software. For some of the species, additional data such as images of the species, links to other databases like that Q-bank, Index fungorum is presented.
References

- Pitt, J. I. 1990. PENAME, a computer key to common Penicillium species. CSIRO Division of Food Processing, North Ryde, NSW.


Index Terms

Computer Science  Information Sciences
Keywords
Database  Morphologic features  Fungid  Web-based software