

# POSTER ABSTRACTS

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## 117. MICOTECA DA UNIVERSIDADE DO MINHO (MUM): A CULTURE COLLECTION PREPARING THE FUTURE

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Micoteca da Universidade do Minho (MUM) was established in 1996, at the Biological Engineering Department of Minho University, aiming to maintain and supply fungal strains for teaching and research in biotechnology and life sciences, and to become a centre of knowledge, information and training in mycology, in articulation with other national and international collections. MUM was built on well established criteria taking into account relevant international quality standards. Membership in international organizations was accomplished: MUM is member and hosts the secretariat of the European Culture Collections Organization, is member (WDCM816) and belongs to the executive board of the World Federation for Culture Collections and has been actively involved in the OECD initiatives related to guidance for the operation of Biological Resource Centres (BRCs). MUM is also a partner of the demonstrative project Global Biological Resource Centres Network (GBRCN) and the European project European Consortium of Microbial Resource Centres (EMbaRC). In this context, the introduction of more stringent quality parameters in the identification and authentication of holdings, through a polyphasic approach is essential for the culture collection's requalification. Special relevance is being placed on molecular and spectral typing using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS). These specific methodologies in association with a revised quality management system are highly relevant to meet the new demands for BRCs and secure better service quality and competitiveness. Currently, MUM holds 184 species belonging to 68 genera and described 5 new species: *Aspergillus ibericus*; *Aspergillus brasiliensis*; *Aspergillus uvarum*; *Penicillium astrolabium*, *Penicillium neocrassum*.

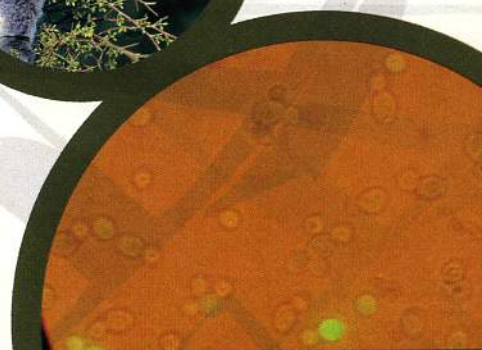
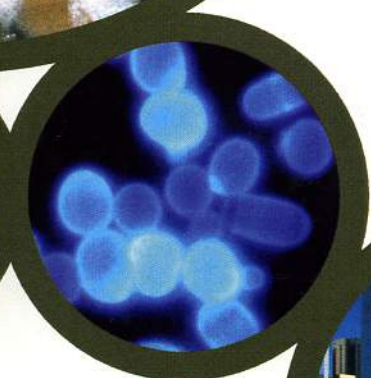
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