Chemical Constituents of Uredospores of *Hemileia vastatrix*

T. PAMPLONA[1], M. R. TAVARES[1], M. E. GUEDES[2], M. J. M. CURTO[1]

[1]INETI, Departamento de Tecnologia de Indústrias Químicas, Estrada das Palmeiras, 2745 Queluz, Portugal
[2]Centro de Investigação das Ferrugens do Cafeeiro, Qt[a] do Marquês, 2780 Oeiras, Portugal

SUMMARY

The occurrence of sterols 24-ethyl-5α-cholesta-7,24(28)(Z)-dien-3ß-ol (1), 24-ethyl-5α-cholesta-7,22(E)-dien-3ß-ol (2), 24-methyl-5α-cholest-7-en-3ß-ol (3), and 24-ethyl-5α-cholest-7-en-3ß-ol (4) is reported for the first time in *H. vastatrix* uredospores. This is also the first report of the occurrence of (2) in rust fungi. That these rust sterols are likely to be true fungal products is suggested by their absence in healthy leaves of the host-plant.