SHORT SCIENTIFIC NOTES

A Note on Some Phytopathogenic Fungi from Hyderabad (India)

The author records the following phytopathogenic fungi occurring in Hyderabad District (A.P.): *Albugo ipomeae-panduratae* (Schwein) Swing on *Merremia emarginata* Hallier. f.; *Cercospora chloroxyli* Ramakrishnan and Reddy on *Chloroxylon swietenia* D.C.; *Macrophoma obsoleta* Sacc. on *Coccinia* sp.; *Pestalotiopsis japonica* (Syd.) Steyaert on *Terminalia tomentosa* W. and A.; *Phomopsis gardeniae* Buddin and Wakefield on *Gardenia lucida* Roxb.; *Puccinia lithospermi* E. and K. on *Evolvulus alsinoides* Linn. and *Stenella aegles* Prasad on *Aegle marmelos* Correa. Of these, *M. obseleta, Phomopsis gardeniae* and *P. lithospermi* form new additions to the fungi of India. *Pestalotiopsis japonica* and *S. aegles* are new records for South India. *Albugo ipomeae-panduratae, Pestalotiopsis japonica* and *Cercospora chloroxyli* are new records for Andhra Pradesh State.

All the herbarium specimens of the above fungi are deposited at C.M.I., Kew, England and Mycology Laboratory, Botany Department, Osmania University, Hyderabad.

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A TDC-12 Computer Program for the Computation of Bartlett's Test for Homogeneity of Variances

Bartlett's test has been given for testing the hypothesis H : $\sigma_1^2 = \sigma_2^2 = \sigma_3^2 = \sigma_k^2$, where a random sample of "n_i" observations had been taken from the 'i th' normal population ($i = 1,.. k$) (Ostle, 1966)[1]. This test is statistically adequate for testing the homogeneity of variances. In the statistical analysis of field data, testing of homogeneity of variances is usually required by plant breeders in pooling error variances in groups of experiments. This is particularly true when they are interested in estimating and testing genotype × environmental interactions. In estimating various stability parameters, this test is, however, of great use.

A computer program, intended for estimating Bartlett's test of homogeneity of variances, has been developed and documented for the TDC-12 computer.

The program is written in Fortran 4-k.

Detailed information regarding the use of the program and listing of the program can be obtained from us.

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