NOTES ON FUNGI FROM RAJASTHAN—I

BY N. PRASAD,* R. N. S. TYAGI AND J. P. AGNIHOTRI

(Plant Pathology Section, Department of Agriculture, Rajasthan—Udaipur)

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ANNOTATED or descriptive accounts of interesting fungi collected during the tours undertaken by the authors to various parts of the State are presented here:

1. Stigmatea growiae P. Henn.—Light brown spots on the leaves of Grewia flavescens Juss. Minute distinctly maculecole dark cistotheicia measuring 84–168 μ (average 140 μ); dark brown asci measuring 13–35 μ × 5–10 μ (average 22·4 μ × 6·4 μ) and light brown ascospores measuring 6·5–11·2 μ × 3·2–4·9 μ (9·6 μ × 3·2 μ). Samore Bag, Udaipur; September 1959; R. N. S. T. (I.M.I. 79216; R.P.P.H. 354). The fungus has not previously been recorded on this host.


3. Fusicladium pongamiae Syd.—Irregular dark pale brown anthracnose spots on the leaves; fruiting hypophyllous appearing like a dark brown crust. On living leaves of Pongamia pinnata Pierre; Samore Bag, Udaipur; July, 1959; R.N.S.T. and J.P.A. (I.M.I. 79219; R.P.P.H. 356). This has not previously been reported from Rajasthan.

4. Parodiella hedysari (Sehw.) Hughes.—Forming black sooty covering on the upper leaf surface of Indigofera sp.; mycelium dark and without hypopodia; dark glabrous perithecia without subcuticular hypostroma; measuring 145·8 μ–307·8 μ (mean 243·0 μ). Asci hyaline, cylindrical to clavate, measuring 47·6–132 μ × 11–22 μ; hyaline, clavate paraphyses present; ascospores reddish-brown, bicelled and measuring 14·64–27·45 μ × 7·32–6·79 μ (mean 10·43 μ). Tiddi (Udaipur); October, 1959; R.N.S.T. (I.M.I. 79220; R.P.P.H. 357). This species is a new record on this host.

* Now Principal, Government S. K. N. College of Agriculture, Jodhaer.
5. *Astrina* sp.—Light-coloured superficial mycelium; apothecia flat to convex with radiate scutellum having a single hymenium beneath, measuring 48.6–210.6 μ (average 87 μ); rounded ascoma; paraphyses lacking; only dark tri-celled immature spores found. On living leaves of *Mangifera indica* Linn.; Udaipur; May, 1959; R.N.S.T. (I.M.I. 80258; R.P.P.H. 358). A new record from India.

6. *Asteroma psidii* Prasad, Tyagi and Agni. sp. nov.—Carbonaceous hypophyllous growth, more concentrated towards the leaf margin, and giving rise to the minute black superficial, amoeceolate pycnidia. Dark brown, superficial, glabrous, unpedicillate and not rostrate pycnidia (Fig. 1 A) with a radiate subicule and measuring 97·2–229·2 μ; ostiole absent; not catenate, unicelled, hyaline ovoid to ellipsoidal conidia (Fig. 1 B), measuring 37·5–62·5 μ × 25–37·5 μ; on living leaves of *Psidium guajava* Linn.: Udaipur; November, 1959; R.N.S.T. (I.M.I. 80259; R.P.P.H. 359).

![Fig. 1. Asteroma psidii Prasad, Tyagi and Agni, A.—Pycnidium, ×440; B.—Conidia, ×900.](attachment:image)

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7. *Cerebella andropogonis* Cesati.—On the inflorescens of *Andropogon panicum*; Samore Bag, Udaipur; December, 1959; R.N.S.T. and J.P.A. (I.M.I. 79225; R.P.P.H. 360). This is a new record for India.

8. *Cercospora cocculi* Sydow.—Indistinct leaf spots, on the lower surface effuse olivaceous fruiting layer, on the leaves of *Cocculus hirsutus* (Linn.) Diels.; Bari, Udaipur; August, 1959; J.P.A. (R.P.P.H. 361). This has not been recorded from Rajasthan.

9. *Cercospora zinniae* Ellis and Martin.—Circular leaf spots with whitish-grey centre and reddish-brown margin, fruiting amphigenous with hyaline conidia, on the leaves of *Zinnia multiflora* L.; M.B. College and Fatehpura Road, Udaipur; September, 1959; J.P.A. (R.P.P.H. 362). Not previously recorded from Rajasthan.


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REFERENCES