

Some New Records of *Colletotrichum* Species From Bombay — Maharashtra (India).

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With 6 Text Figures.

In the course of their mycological survey of Poona and adjoining regions for foliiculous Fungi-Imperfecti, the writers made several collections of species of *Colletotrichum* parasiting both economic and wild host plants. This paper gives an account of six species new to Science collected on hitherto unreported host plants with Latin diagnosis:

1. *Colletotrichum mangiferae* Kelkar, spec. nov.

Maculae epiphyllae, fusco-brunneae vel nigrescentes, dispersae, parum elevatae, orbiculares, usque ad 12 mm diam. Acervuli fusci, dispersi, disciformes, sub epidermide evoluti, 340—1190 μ diam.

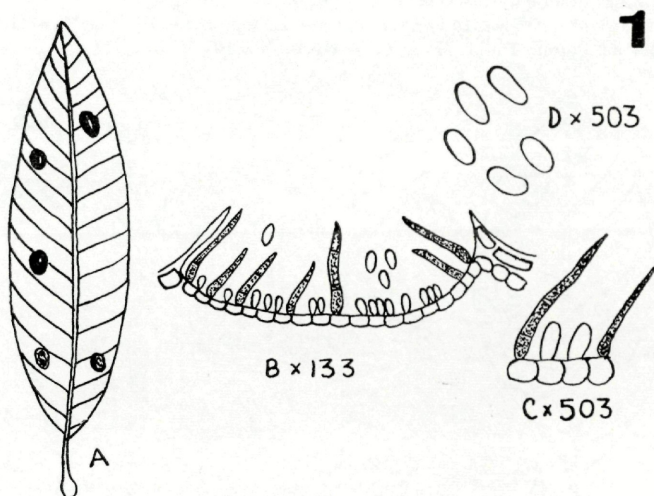


Fig. 1. *Colletotrichum mangiferae*. — A. Host $\times \frac{1}{2}$ Natural size. — B. Acervulus. — C. Conidiophores and setae. — D. Conidia.

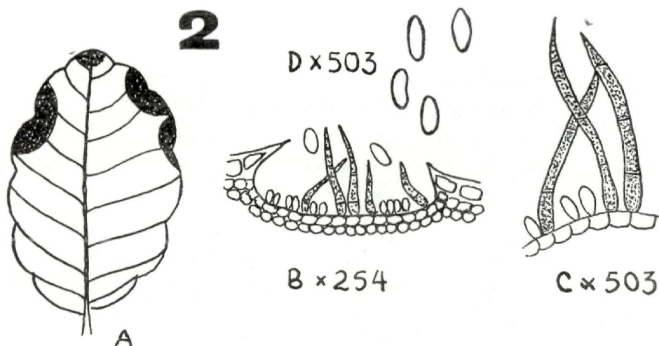


Fig. 2. *Colletotrichum anacardii*. — A. Host $\times$ Natural size. — B. Acervulus. — C. Conidiophores and setae. — D. Conidia.

Setae 4–7, fusco-brunneae, paucae, laxae dispositae, e basi plus minusve dilatatae apicem versus paulatim attenuatae, continuae vel 1–3-septatae, $19.8-52.8 \times 3.3 \mu$. Conidiophora minuta, hyalina, continua, cylindraceo-oblonga, laxae disposita. Conidia continua, hyalina, oblonga, $10-13.2 \times 3.3-5 \mu$.

In foliis vivis *Mangiferae indicae* L. leg. P. V. Kelkar, VIII, 1961 ad Poona, India. M. A. C. S. Herb. No. 101.

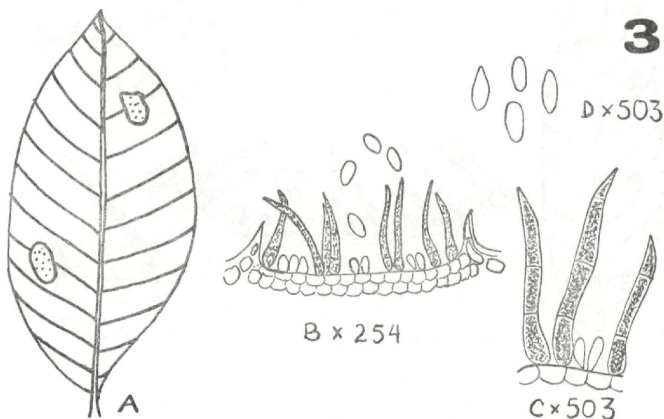


Fig. 3. *Colletotrichum morindae*. — A. Host $\times \frac{1}{2}$ Natural size. — B. Acervules. — C. Conidiophores and setae. — D. Conidia.

2. *Colletotrichum anacardii* Kelkar, spec. nov.

Maculae epiphyllae, irregulares, nigrae, dispersae, usque ad 10 mm. diam. Acervuli dispersi, fusci erumpentes, discoidei, 290—680 μ ; setae 7—12 fusco-brunneae, 0—3 septatae, ad apicem acuminate, laxe dispositae, 27—75.9 $\times$ 5 μ . Conidiophora unicellularia, hyalina, oblonga, conidiis similia, 10—12 $\times$ 3 μ . Conidia unicellularia hyalina oblonga, 6.5—9.9 $\times$ 3.3—5 μ .

In foliis vivis *Rhois mysorensis* Heyne e familia Anacardiacearum, leg. P. V. Kelkar VIII, 1961, ad Poona, in India, M. A. C. S. Herb. No. 102.

3. *Colletotrichum morindae* Kelkar, spec. nov.

Maculae epiphyllae, ambitu ellipticae ad marginem fuscae e centro pallescentes, usque ad 15 mm. diam., plerumque e margine ortae, marginales. Acervuli dispersi, fusci, erumpentes, 340—850 μ . Setae 8—10, fusco-brunneae, 1—4-septatae, rectiusculae, 2—3 fasciculatae, subacuminatae, 40—70 $\times$ 6.5 μ . Conidiophora unicellularia, hyalina, oblonga, laxe disposita, 10—13 $\times$ 3.3—5 μ . Conidia unicellularia, hyalina, saepe $\pm$ vieta, 10—13 $\times$ 3.3—6.6 μ .

In foliis vivis *Morindae citrifoliae* Linn., leg. P. V. Kelkar VIII, 1961 ad Poona in India, M. A. C. S. Herb. No. 103.

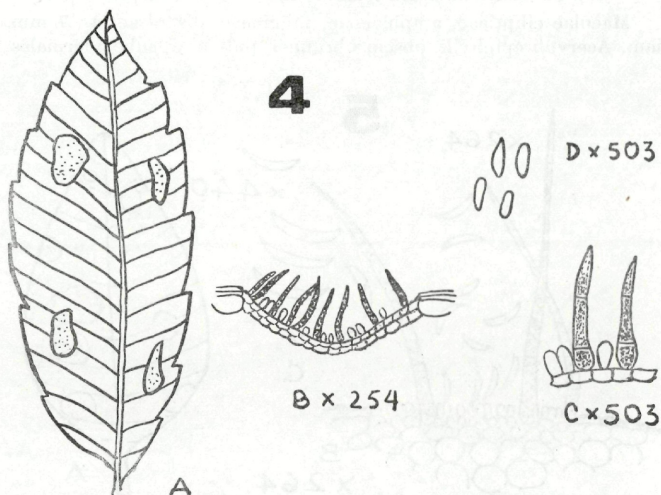


Fig. 4. *Colletotrichum oleae*. — A. Host $\times \frac{1}{2}$ Natural size. — B. Acervulus. — C. Conidiophores and setae. — D. Conidia.

4. *Colletotrichum oleae* Kelkar, spec. nov.

Maculae epiphyllae, dispersae, ambitu irregulares, luteolae, ad marginem fuscae, 22 mm. diam. Acervuli dispersi, fusco-brunnei, erumpentes, discoidei, 290–510 μ . Setae 9–13, fusco-brunneae, acuminatae, 0–3 septatae, laxe dispositae, 23–46 $\times$ 3.3 μ . Conidiophora unicellularia, hyalina, oblonga, arcte disposita, conidiis similia, 6.6 $\times$ 3.3 μ . Conidia unicellularia, hyalina, oblonga, a conidiophoris, vix distincta, 6.6–8.5 $\times$ 3.3 μ .

In foliis vivis *Oleae dioicae* Roxb., leg. P. V. Kelkar IX. 1961 ad Khandala, Poona in India. M. A. C. S. Herb. No. 104.

5. *Colletotrichum eranthemi* Vasant Rao, spec. nov.

Maculae dispersae, orbiculares, saepe coalescentes, brunneae, parum depressae 6–8 mm. Acervuli fusi, dispersi, pulvinati, 84–147 μ , subepidermales, erumpentes; setae 2–3 brunneae, 0–2 septatae, longiusculae, acuminatae, laxe dispositae 50.5–174.5 $\times$ 5.1 μ . Conidiophora hyalina, unicellularia, cylindrica, 6–10 $\times$ 3.2 μ . Conidia hyalina, unicellularia, falcata, 16.6–25.2 $\times$ 4.3 μ .

In foliis vivis *Eranthemii bicoloris* Schr., leg. Vasant Rao, ad Poona in India, VI, 1961, M. A. C. S. Herb. No. 105.

6. *Colletotrichum martyniae* Vasant Rao, spec. nov.

Maculae ellipticae, amphigenae, fuligineae, dispersae, 4–7 mm. diam. Acervuli epiphylli, obscure brunnei, pulvinati, subepidermales,

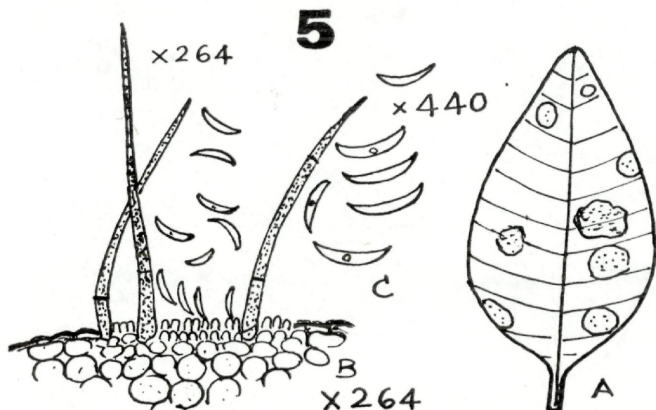


Fig. 5. *Colletotrichum eranthemi*. — A. Host $\times$ Natural size. — B. Part of Acervulus. — C. Conidia.

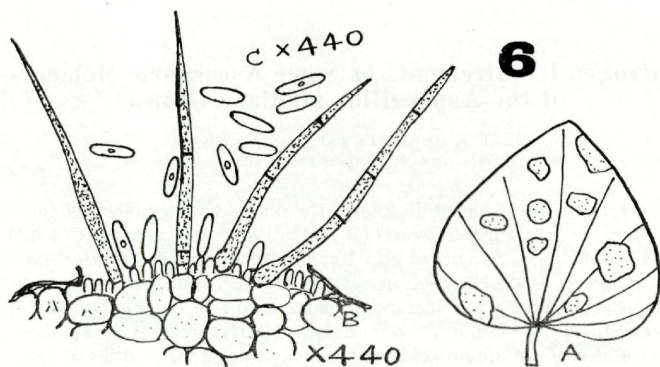


Fig. 6. *Colletotrichum martyniae*. — A. Host $\times$ Natural size. — B. Part of Acervulus. — C. Conidia.

erumpentes, dispersi, $50.5-100.8 \mu$; setae 3-4 fusco-brunneae, ad basin dilatatae, acuminatae, 0-2 septatae, laxe dispositae, $54.5-102.5 \times 4.2 \mu$. Conidiophora unicellularia, oblonga, conidiis similia, hyalina, arcte congesta, $5-7 \times 4.3 \mu$. Conidia hyalina, unicellularia, cylindrica, $10.5-14.5 \times 4.3 \mu$.

In foliis vivis *Martyniae diandrae* L., leg. Vasant Rao, VII. 1961, ad Poona in India, M. A. C. S. Herb. No. 106.

The six types are being deposited at the Herb. Cryptog. Orientalis, New Delhi, India and Herb. C. M. I. Kew, England.

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