

NEW RECORDS

New hosts: powdery mildews

VIJAY KUMAR and K.N. PANDEY

Department of Botany, Kumaun University,
S.S.J. Campus, Almora 263 601

Five new host records of powdery mildews collected from Almora, India. Specimens have been deposited in the HCIO, I.A.R.I., New Delhi.

1. *Erysiphe cichoracearum* DC. ex Merat, in *Nouv. fl. env. Paris* I ed. 2:132 (1821)

On leaves of *Youngia japonica* (Linn.) DC. (Asteraceae), Almora, Uttaranchal, January 14, 2000, Vijay Kumar, H.C.I.O. 43716.

2. *Leveillula taurica* (Lev.) Arnaud, *Ann. Epiphyt.* 7:94 (1921)

On leaves of *Rubia cordifolia* L. (Rubiaceae), Almora, Uttaranchal, September 25, 2000, Vijay Kumar, H.C.I.O. 43835.

3. *Microsphaera alphitoides* Griff. & Maubl., *Bull. Soc. Myc. France* 28:100 (1912)

On leaves of *Quercus leucotrichophora* A. Camus ex Bahadur (Fagaceae), Kausani (Almora), Uttaranchal, October 25, 2000, Vijay Kumar, H.C.I.O. 43728.

4. *Microsphaera berberidis* (DC.) Lev. var. *asiatica* U.Braun, *Mycotaxon* 18:114 (1983)

On leaves of *Berberis asiatica* Roxb. ex DC. (Berberidaceae), Ranikhet (Almora), Uttaranchal, April 15, 1999, Vijay Kumar, H.C.I.O. 43430.

5. *Phyllactinia guttata* (Wallr. ex Fr.) Lev., *Ann. Sci. Nat. bot.*, 3 ser., 15:144 (1851)

On leaves, stem and inflorescence of *Lagerstroemia indica* L. (Lythraceae), Almora, Uttaranchal, October 24, 1999, Vijay Kumar, H.C.I.O. 43,492.

A new rust disease of *Canna indica* in India

M.D. MAJI

Central Sericultural Research and Training Institute,
Berhampore 742 101

Canna indica Linn. is an important ornamental plant in West Bengal. During winter in November 2002, a new rust disease was observed on *C. indica* at Berhampore, (W.B), India. A yellow powdery mass was observed on both surfaces of leaves. Subsequently the leaf started drying from margins and within few days whole leaf dried up. On microscopic examination the yellow powdery mass contained roundish or elliptical uredospores. Uredospores were yellow in colour, echinulate, 31.28 - 27.87 x 19.56 - 23.46 μ m in size.

The causal fungus was identified as *Puccinia thaliae* Dietel. The specimen has been deposited at CABI Bioscience, Diagnostic and Advisory Service, United Kingdom (W7457) and the duplicate specimen in HCIO, IARI, New Delhi (44908). The survey of literature revealed that the fungus was earlier reported from Mid western and South western states of U. S. but hitherto is unreported on this host from India.

Received for publication April 7, 2003