

## ADDITIONS TO THE LICHEN FLORA OF NEPAL-II

A perusal of the lichenological literature published till 1977 has resulted in an estimation of 323 species under 55 genera of lichens from Nepal. While working on the self-collected lichens from western and central Nepal, the author discovered the following 17 species not yet reported from Nepal. Most of them are commonly well known taxa from the neighbouring Indian territory.

- (1) *Coccocarpia pellita* (Ach.) Müll. Arg.  
Thallus corticolous, fertile. W. Nepal, Bheri Anchal, Dailekh area. Seti Anchal, Khapted area.
- (2) *Collema subflaccidum* Degel.  
Thallus corticolous, sterile. W. Nepal, Seti Anchal, Khapted area.
- (3) *Graphis scripta* (L.) Ach.  
Thallus corticolous, fertile. C. Nepal, Bagmati Anchal, Manichur area.
- (4) *Heterodermia hypocaesia* (Yasuda) Awas.  
Thallus terricolous to corticolous, sterile. W. Nepal, Seti Anchal, Doti area ; Karnali Anchal, Tibrikot area.
- (5) *Leptogium askotense* Awas.  
Thallus corticolous to muscicolous, fertile. W. Nepal, Seti Anchal, Doti and Khapted areas.
- (6) *Leptogium azureum* (Sw.) Mont.  
Thallus corticolous, fertile. W. Nepal, Bheri Anchal, Dailekh area.
- (7) *Leptogium burnetiae* Dodge  
Thallus corticolous to saxicolous, sterile. W. Nepal, Bheri Anchal, Dailekh area.
- (8) *Leptogium isidiosellum* (Ridd.) Sierk  
Thallus corticolous, sterile. W. Nepal, Bheri Anchal, Dailekh area.
- (9) *Leptogium javanicum* Mont.  
Thallus corticolous, well fertile. W. Nepal, Seti Anchal, Doti area.
- (10) *Leptogium saturninum* (Dicks.) Nyl.  
Thallus saxicolous, sterile. W. Nepal, Karnali Anchal, Jumla area.
- (11) *Lobaria discolor* (Bory) Hue  
Thallus corticolous, fertile. W. Nepal, Seti Anchal, Khapted area.
- (12) *Nephromopsis stracheyi* (Bab.) Müll. Arg. *ectocarpisma* Hue  
Thallus corticolous, fertile. W. Bengal, Seti Anchal, Doti area.

- (13) *Parmelia aurulenta* Tuck.  
Thallus corticolous to saxicolous, fertile. W. Nepal, Karnali Anchal, Jumla area.
- (14) *Parmelia flexilis* Kurok.  
Thallus corticolous, fertile. W. Nepal, Bheri Anchal, Dailekh area.
- (15) *Peltigera rufescens* (Weis.) Humb.  
Thallus corticolous, fertile. W. Nepal, Seti Anchal, Doti area.
- (16) *Phaeographina pyrrochroa* (Mont. et v. d. Bosch) Zahlbr.  
Thallus corticolous, fertile. C. Nepal, Bagmati Anchal, Manichur area.
- (17) *Sticta platyphylla* var. *praetextata* Räs.  
Thallus corticolous, sterile. W. Nepal, Seti Anchal, Doti area.

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## FOSSIL WOOD OF *DRACONTOMELUM* FROM THE LOWER SIWALIK BEDS OF HIMACHAL PRADESH, INDIA

A new fossil wood belonging to the genus *Dracontomelum* is recorded here from the Lower Siwalik beds of Kokhra near Nalagarh in Himachal Pradesh. It shows the following diagnostic anatomical features.

*Growth rings* absent. *Vessels* large to medium-sized or small, t.d. 45–225  $\mu$ , r.d. 60–255 $\mu$ , usually solitary or in radial multiples of two, rarely three or more or in clusters, normally round to oval or elliptical, 4-7 per sq. mm., sometimes filled with tyloses (Fig. 1); vessel members 210–450  $\mu$  long with truncate ends; perforations simple; intervessel pit-pairs bordered, alternate, large, 8–12  $\mu$  in diameter, round to oval in shape with linear-lenticular apertures. *Parenchyma* narrow vasicentric to slightly aliform (Fig. 1), sometimes joining adjacent pores. *Xylem rays* 1-5 (usually 2-4) seriate (Fig. 2), 7-10 per mm; ray tissue heterogeneous formed of homocellular to heterocellular rays. *Fibres* non-libriform, septate, oval to angular in cross-section.

A detailed comparison with the modern woods indicates that the present fossil wood closely resembles the modern species *Dracontomelum mangiferum* Bl. (MOLL & JANSSONIUS, 1908; KANEHIRA, 1924; HENDERSON, 1953; DESCH, 1957; KRIBS, 1959; ANONYMOUS, 1963) of the family Anacardiaceae.