

FUNGUS FLORA OF NAINI TAL

PART I.

BY

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The list given below is of a fungus collection made at Naini Tal, Kumaon Hills, chiefly during a trip to that station in the second week of October 1928. Except for half a dozen specimens which were collected in 1929 by A. K. Mitra and Udaibhan Singh, then post-graduate students of the Botany Department, the collection was made by the authors.

Our search for these fungi extended over only 5 days and it is therefore practically certain that the list does not include all the fungi likely to occur at Naini Tal after the rains. It must also be noted that the collection was more or less confined to the town and its near vicinities. The fact that 75 specimens could be obtained in so short a time from so limited an area would go to show the richness of the fungus flora in our hills. Host plants are not mentioned for the Autobasidiomycetes since the latter were in most cases found growing on stumps of trees, dead logs, old wood and the like.

It is seen that in the Pusa list of fungi, Naini Tal is not given as a locality for 69 of our specimens which have therefore presumably not been previously recorded from that place. These fungi are marked with an asterisk.

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NO.	NAME OF THE FUNGUS.	NAME OF THE HOST.
Ascomycetes.		
*1.	<i>Erysiphe Polygoni</i> D. C.	<i>Rumex nepalensis</i> .
*2.	<i>Phyllactinia</i> sp.	<i>Jasminum</i> sp.
*3.	<i>Daldinia concentrica</i> (Bolt.) ces et De Not.	Stumps of trees.
*4.	<i>Didymella</i> sp.	Unknown.

NO.	NAME OF THE FUNGUS.	NAME OF THE HOST.
*5.	Phyllachora Desmodii P. Henn.	Desmodium tiliaefolium.
*6.	Taphrina maculans Butl.	Hedychium acuminatum.

Basidiomycetes.*(a) Uredinales.*

*7.	Uromyces Cyathulæ P. Henn.	Cyathula capitata.
8.	Uromyces sp.	Unknown.
*9.	Aecidium Cunninghamianum Barel.	Cotoneaster bacillaris.
*10.	Aecidium Deutzia Diet.	Deutzia corymbosa.
*11.	Aecidium Girardinia Syd.	Girardinia heterophylla.
*12.	Aecidium montanum Butl.	Berberis aristata.
*13.	Aecidium montanum Butl.	Berberis asiatica.
14.	Peridermium complanatum Barel.	Pinus longifolia.
*15.	Puccinia Ainsliacæ.	Ainslia pteropoda.
*16.	Puccinia Collettiana Barel.	Rubra cordifolia.
*17.	Puccinia himalensis (æcidium Barc.) Diet.	Rhamnus virgatus.
*18.	Puccinia intermixta.	Iva axillaris.
19.	Puccinia leucophæa Syd et Butl.	Colquhounia coccinia.
20.	Puccinia nitida Barel.	Polygonum amplexicaulis.
*21.	Puccinia nepalensis Barc. and Diet.	Rumex nepalensis.
*22.	Puccinia suaveolens Pers.	Cnicus argyranthus.
*23.	Puccinia Wattiana Barel.	Clematis Buchaniniana.
✓ 24.	Puccinia sp.	Polygonum sp.
25.	Puccinia sp.	Unknown.
*26.	Gymnosporangium Cunninghamia- num Barel.	Pyrus pashia.
*27.	Phragmidium Barclayi Diet.	Rubus lasiocarpus.
*28.	Coleosporium Campanulæ (Pers.) Lev.	Campanula sp.
*29.	Coleosporium Clematidis Barel.	Clematis triloba.
*30.	Coleosporium Clematidis Barel.	Clematis sp.
*31.	Coleosporium Inulæ (Kze.) Ed. Fisch.	Inula Cappa.
*32.	Chnoospora Leptodermidis (Barc.) Butl.	Leptodermis lanceolata.
*33.	Phakopsora Cronartiformis (Barc.) Diet.	Vitis devaricatum.
*34.	Ravenelia sessilis Berk.	Unknown.
*35.	Ravenelia sp.	Unknown.
<i>(b) Autobasidiomycetes.</i>		
*36.	Stereum hirsutum.	

No.	NAME OF THE FUNGUS.	NAME OF THE HOST.
*37.	<i>Irpex</i> sp.	
*38.	<i>Fistulina</i> sp.	
*39.	<i>Ganoderma lucidus</i> .	
*40.	<i>Fomes gilvus</i> Schw.	
*41.	<i>Fomes fastuosus</i> Lev.	
*42.	<i>Fomes rimosus</i> Berk.	
*43.	<i>Fomes senex</i> Mont.	
*44.	<i>Polyporous adustus</i> (Wild), Fr.	
*45.	<i>Polyporous (Xanthochorous) cuticularis</i> (Bull). Fr.	
✓ *46.	<i>Polyporous gilvus</i> Schw.	
*47.	<i>Polyporous gilvus forma aculiformis</i> .	
*48.	<i>Polyporous gramocephalus</i> Berk.	
*49.	<i>Polyporous osteriformis</i> Berk.	
*50.	<i>Polyporous zonalis</i> Berk.	
*51.	<i>Polystictus elongatus</i> Berk.	
*52.	<i>Polystictus flabelliformis</i> Kl.	
*53.	<i>Polystictus hirsutus</i> Fr.	
*54.	<i>Polystictus perennis</i> .	
*55.	<i>Polystictus versicolor</i> Fr.	
*56.	<i>Polystictus xanthopus</i> Fries.	
*57.	<i>Poria metamorphosa</i> Fuck.	
*58.	<i>Poria</i> sp.	
*59.	<i>Trametes cingulatus</i> Berk.	
*60.	<i>Trametes incerta</i> .	
*61.	<i>Trametes persooni</i> Fr.	
*62.	<i>Trametes suaveolens</i> .	
*63.	<i>Hexagonia</i> sp.	
*64.	<i>Merulius similis</i> Band Br.	
*65.	<i>Favolus scabra</i> Band Br.	
*66.	<i>Lenzites betulina</i> (Linn.) Fr.	
*67.	<i>Lenzites trabea</i> Pers.	
*68.	<i>Schizophyllum commune</i> Fr.	
*69.	<i>Lycoperdon</i> sp.	

Fungi Imperfecti.

*70.	<i>Darluca filum</i> (Biv) Cast.	<i>Leptodermis lanceolata</i> .
*71.	<i>Oidium erysiphoides</i> Fr.	Unknown.
*72.	<i>Naemospora</i> sp.	Unknown.
*73.	<i>Cladosporium</i> sp.	<i>Berberis aristata</i> .
*74.	<i>Clasterosporium</i> sp.	Unknown.
*75.	<i>Triposporium</i> sp.	Unknown.