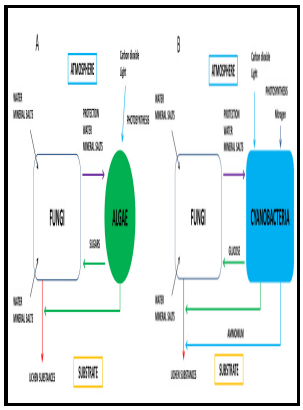
Chemistry of lichen substances

Japan Society for the Promotion of Science - Chemistry of Lichen Substances . By Yasuhiko Asahina and Shoji Shibata. Japan Society for the Promotion of Science, Tokyo. 1954. Pp. vi+240, figures 3, tables 9. Reprinted by A. Asher & Co., Amsterdam. 1971. Hfl. 8600.



Description: -
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Lichens.Chemistry of lichen substances
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Notes: Includes bibliographies.
This edition was published in 1954

Tags: #Lichens #and #Me #by #Katalin #Molnar

Perspectives in lichenological research

Tests for C+ medulla in the field tend to be unreliable. Foliose lichens are leaflike in both appearance and structure.

Chemistry after the 1860s

The new chemotype also differs in morphology, exhibiting a long stranded growth form rather than the more tufted thallus typical of the protocetraric acid chemotype.

Recent Progress in the Chemistry of Lichen Substances

Recent research, done primarily with invertebrate consumers, indicates that some lichen compounds are capable of defending lichen thalli from predation. Over 700 secondary metabolites are known and the great majority have been found only in lichens, with just 50 to 60 of them found also in non-lichenized fungi or in the plant kingdom.

An Introduction to Lichens

Then the acetone is evaporated and the residue is re-crystallized from a suitable solvent.

Lichens: Chemistry and Biological Activities

Usnea scabrida right contains usnic acid Ramboldia petraeoides below has norstictic acid, a depsidone, as a major metabolite Direct evidence of biosynthesis within lichens for example, via radioactively labelled isotopes is still fairly meagre.

Secondary Chemistry of Lichen

Why chartreuse the pigment vulpinic acid screens blue light in the lichen Letharia vulpina. The Lichenologist, 46 5 : 723—726.

Biological Role of Lichen Substances on JSTOR

. The 20th century Friederich Wilhelm Zopf 1846-1909 was the first to carry out extensive chemical analyses and the year 1907 saw the publication of his book Die Flechtenstoffe in chemischer, botanischer, pharmakologischer und technischer Beziehung. It is known that lichens-specific secondary metabolites play an active role in this UV-screening event by absorbing and again reflecting light.

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