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# Biochemical Research on Mongolian lichens, Bryophytes and Vascular Plants – In Memoriam, Dr. Siegfried Huneck (1928–2011)

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## Biochemical research on Mongolian lichens, bryophytes and vascular plants – In memoriam Dr. Siegfried Huneck (1928–2011)<sup>1</sup>

H.D. Knapp

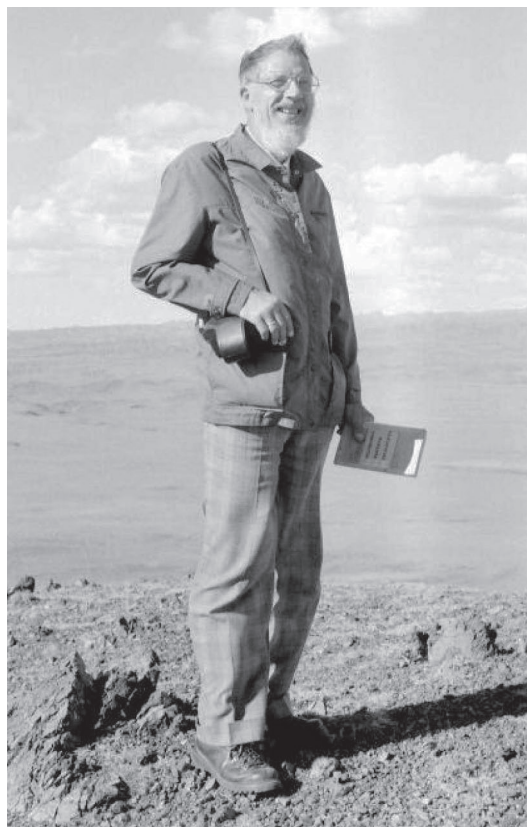


Fig. 1: Siegfried Huneck at his 1<sup>st</sup> expedition to Mongolia, Khataj Suutal, Bajanleg Sum, 07.07.1978 (photo: H.D. KNAPP).

and in cooperation with experts from all over the world. These are important contributions to the knowledge of lichen and plant chemistry of Mongolia. The experiences and memories of his expeditions to Mongolia (HUNECK 2010) are the last publication by Siegfried Huneck, dedicated to our friend Prof. Dr. Ulzijn Cogt (1940–1996).

Siegfried Huneck was an outstanding personality, which united the precise scientist in the laboratory, and the field lichenologist and botanist with broad knowledge of species diversity of lichens, mosses and vascular plants. He was a man with sense for nature and understanding of ecological connections as well as interest for history and culture. His work is an important contribution to the German-Mongolian scientific cooperation.

Dr. rer. nat. habil. Siegfried Huneck (fig. 1), biochemist and lichenologist from the Institute for Biochemistry of Plants in Halle/Saale, died on September 9, 2011. He was a world wide leading expert for lichen substances. Special attention he spent to the research of Mongolian lichens, as well as to substances of bryophytes (Hepaticeae) and vascular plants of the Mongolian flora. On the base of the bilateral agreement for research cooperation between the Academy of Sciences of GDR and the Mongolian Academy of Sciences he led three expeditions for sample collections to Mongolia in cooperation with the Mongolian Institute for People Medicine and with Ulzijn Cogt from Institute for Botany of the MAS: The 1<sup>st</sup> and the 3<sup>rd</sup> expeditions 1978 and 1988 together with Hans D. Knapp to Khangaj, Gobi-Altai and SE-Khentie, Gurvan Saychan and Gobi, the 2<sup>nd</sup> expedition 1983 together with Werner Hilbig to Chövsgöl region and Khangaj (fig. 2–4).

The outcome of the expeditions involves samples of ca. 2,000 vascular plants, 374 lichens and 100 bryophytes. The bibliography of Siegfried Huneck contains 412 scientific publications from 1958–2010, it includes more than 40 publications about the phytochemistry of Mongolian plants and about the experiences in Mongolia. Most of them are elaborated together with Mongolian colleagues, e.g. T. Khaidav, U. Cogt,

<sup>1</sup> Results of the Mongolian-German Biological Expeditions since 1962, No. 322.

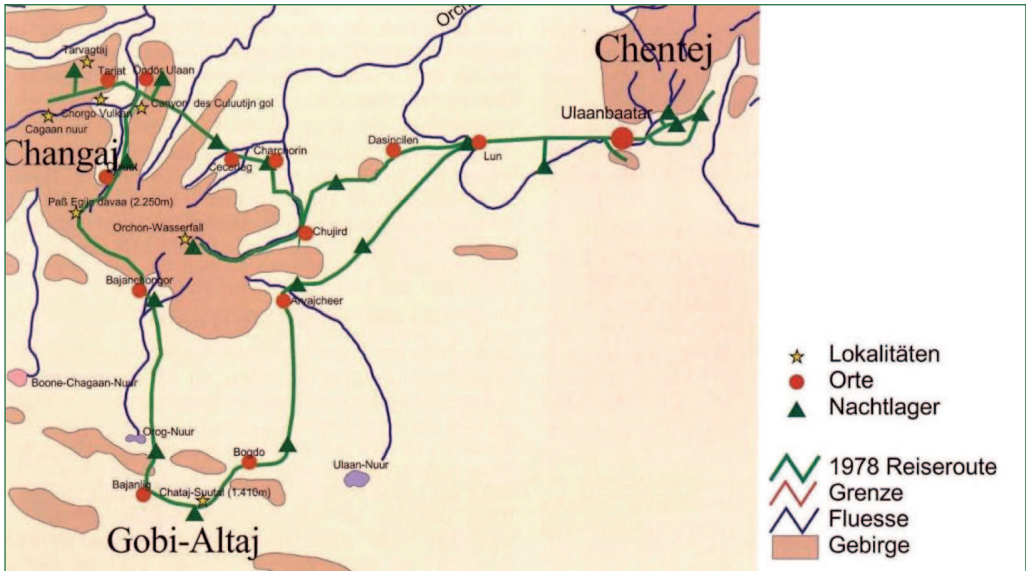


Fig. 2: The 1<sup>st</sup> Huneck-Expedition to Mongolia, 13.06.–30.07.1978 (source: HUNECK 2010, p. 17).

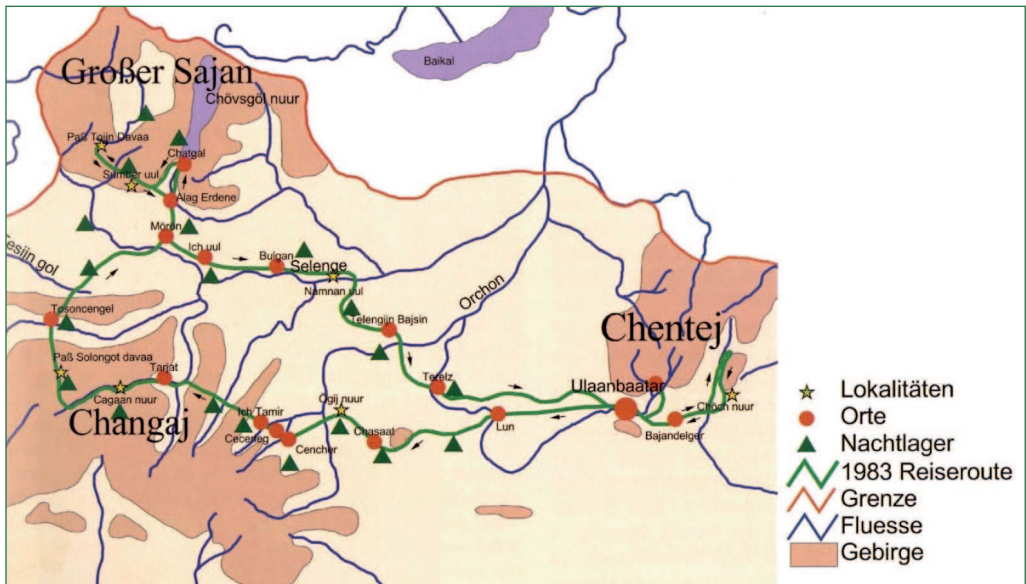


Fig. 3: The 2<sup>nd</sup> Huneck-Expedition to Mongolia, 16.07.–17.08.1983 (source: HUNECK 2010, p. 49).

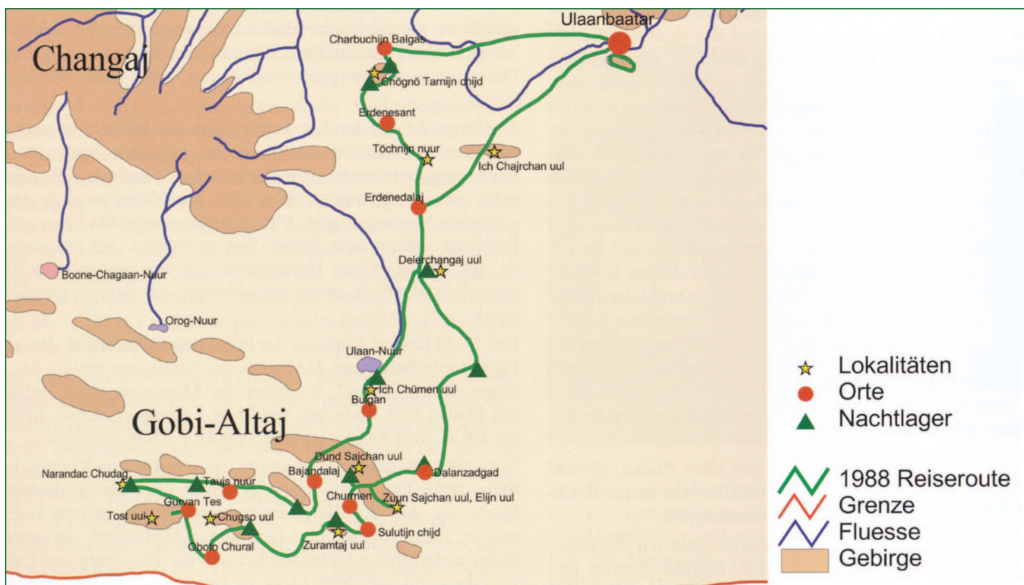


Fig. 4: The 3<sup>rd</sup> Huneck-Expedition to Mongolia, 01.06.–21.07.1988 (source: HUNECK 2010, p. 73).

An obituary with curriculum vitae and a complete list of publications is published by STORDEUR et al. (2011). The following list contains the papers related to Mongolia in chronological order:

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