

Professor Dr. Hermann Bothe

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## Curriculum Vitae

Name:	Hermann Bothe
Birth date	3 <sup>rd</sup> June 1940
Town	Hildesheim, Germany
Final school examination	Abitur, Scharnhorstschule Hildesheim
University study	Biology, Mathematics in Göttingen
Final examination	Dr. rer. Nat.(1968) with Prof. A. Trebst
Postdoctoral positions	1969/70, Berkeley (Prof. D.I. Arnon) 1970-75 Assistant, Bochum (Prof. A. Trebst)
Habilitation	1975 in Bochum (Botany)
Dozent (Assistant professorship)	1975-1978, Heidelberg, Botanical Institute
Professor	since 1978 in Cologne
Publications	190 in refereed journals (2009)
Research areas	a) Interactions between microorganisms and plants, particularly with respect to the nitrogen cycle, in particular arbuscular mycorrhizal fungi and associative bacteria ( <i>Azospirillum</i> )  b) Molecular microbial ecology, assessing the distribution of bacteria in soils by molecular methods, with emphasis on denitrification and N <sub>2</sub> -fixation  c) Investigations on the adaptation of plants to stress (heavy metal and salt stress, in particular in relation to mycorrhiza

d) investigations on hydrogenase and nitrogenase genes in cyanobacteria

Research subjects                      Physiology, Biochemistry, now mainly molecular biology

supported by  
founding agencies                      DFG, EU-Project MYCOREM as the coordinator, Deutsche Umweltstiftung

Activities                                      Coordinator of the E.U. Cost Action 856 Ecological aspects, of denitrification, with emphasis on agriculture, editor of FEMS Microbiol. Letters

Memberships                                  diverse national (e. g. VAAM und Deutsche Bot. Ges.) and internationale Gesellschaften (ASM, Soc. Gen. Microbiol.)  
Member of the former E.U. Cost Actions  
Mycorrhiza und Hydrogenases

longer research visits  
in the past                                      Brazil, China, England, Paris, Moscow, USA (Corvallis)

Lectures at scientific  
meetings    numerous

Teaching experience                      all areas of botany, also in taxonomy, microbiology

Non-native languages                      English, (French, Latin)

Coworkers until 2005                      8 - 15 (varying)

Official retirement  
from the University                      01. 08. 2005

Guest professorships  
after the retirement                      beginning of March until end of May, 2006 in Ljubljana, Slovenia  
April 2007 (3 weeks), Krakow, Poland  
2008 Ceske Budejovice (4 weeks)  
2009 Ljubljana and Krakow, together 3 weeks