

CURRICULUM VITAE

Bertold Hock



Date and Place of Birth:

September 19, 1939, Schw. Gmünd, Germany

Academic Training

Habilitation in Biology (University of Tübingen)	1970
PhD in Plant Physiology (University of Freiburg)	1965
Diploma (M.S) in Biology (University of Freiburg)	1964

Professional Experience

2007 –	Appointment as Emeritus of Excellence at the Technische Universität München
2002 - 2006	University Professor (Full Professor) of Cell Biology, Technische Universität München at Weihenstephan
1978 - 2002	University Professor (Full Professor) of Botany, Technische Universität München at Weihenstephan
2003 - 2006	Dean of the Center of Life Sciences, Technische Universität München at Weihenstephan
1998 - 2006	Chairman of the subcommittee „Biological Effects Monitoring“ of the GDCh
1998 - 2006	Member of the subcommittee „Immunotoxicity“ of the GDCh
1998 - 2004	Member of the board of the section „Water Chemistry“ of the GDCh

1992 - 1998	Chairman of the Steering Committee for the Exposition Chambers at the GSF - Forschungszentrum für Umwelt und Gesundheit
1992 - 2006	Chairman of the subcommittee "Immunoassays for the detection of pesticides" of the GDCh and the DIN NAW I.4 (Normenausschuß Wasserwesen) and of the ISO
1978 - 2007	University Professor (C 4) of Cell Biology, Technische Universität München at Weihenstephan
1990 - 1992	Dean of the Faculty of Agriculture, Technische Universität München at Weihenstephan
1988 - 1993	Chairman of the research group "Immunoassays for the detection of pesticides in water", supported by the Deutsche Forschungsgemeinschaft
1991	Visiting Scientist, JNU at New Delhi, India, Dept. of Microbiology
1989	Visiting Scientist, Gesellschaft für Biotechnologische Forschung, Braunschweig, Germany
1984	Visiting Professor, Washington State University, Program in Biophysics and Biochemistry, Pullman, WA, USA
1970 - 1978	University Professor (Associate Professor), Biochemistry of Morphogenesis, University of Bochum
1967 - 1969	Research Assistant, University of Tübingen
1965 - 1967	Postdoctoral Fellow, Purdue University, Lafayette, Ind., USA

Member of Editorial Boards

Journals: Analytical Letters; Food & Agricultural Immunology

Books: Teubner Umweltwissenschaften

Publications

c. 300 in 10 international journals, including Analytical Letters, Biosensors & Bioelectronics, Chemosphere, Planta, Plant Physiology

Doctoral and postdoctoral candidates

More than 30 doctoral theses, 4 habilitations

Research Projects

including 9 EU projects with European partners during the years 1998 – 2008 and more than 30 DFG projects during the years 1972 - 2002.

Selected EU Projects

Year	Title
2003 – 2008	ELISHA, Electro-Immunointerfaces and Surface Nanobiotechnology: A Heterodoxical Approach.
2002 – 2007	EDEN, Endocrine disruptors: Exploring Novel Endpoints, Exposure, Low-dose- and Mixture-Effects in Humans, Aquatic Wildlife and Laboratory Animals
2002 – 2007	IMAGEMO, Development of a capacitance based immunodetection analyzer for the assay of genetically modified organisms in food.

Selected DFG Projects

Year	Title
1993 - 1998	Quantitative Bestimmung nicht-extrahierbarer Triazinrückstände in refraktären organischen Säuren aus Gewässern mit Hilfe des ELISA (Schwerpunktprogramm).
1988 - 1992	Serologischer Nachweis von Pestiziden und deren Metaboliten im Wasserkreislauf
1982 - 1987	Klonierung und Sequenzierung von glyoxysomaler und mitochondrialer Malat-Dehydrogenase aus Wassermelonen

Current BMBF Project (together with DLR Köln and TU Berlin)

TripleLux: Einwirkungen von Raumflugbedingungen auf das Erbgut und das Immunsystem - Erprobung eines neuen kombinierten Messsystems.
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Books

Was ist Leben? (Hock, B.). Komplett-Media (Verlag). 978-3-8312-6958-7 (ISBN) (2018)

Plant Toxicology (B. Hock and E.F. Elstner, eds.), Fourth edition, Marcel Dekker, New York (2004)

Bioresponse-linked Instrumental Analysis. (B. Hock, ed.). B.G. Teubner, Stuttgart, Leipzig, Wiesbaden (2001)

Fungal Associations (B. Hock, ed.), Vol. IX of The Mycota (K. Esser, Ed.). Springer, Berlin, Heidelberg, New York (2001)

Biosensors for Environmental Monitoring B. Hock, D. Barceló, K. Cammann, P.-D. Hansen, A. Turner, eds. B.G. Teubner, Stuttgart, Leipzig (1998)

Mycorrhiza: Structure, Function, Molecular Biology and Biotechnology (A. Varma and B. Hock, eds.) 2nd ed., Springer Verlag, Berlin, Heidelberg, New York (1998)

Immunochemical Detection of Pesticides and their Metabolites in the Water Cycle (B. Hock and R. Nießner, eds.), VCH, Darmstadt (1996)

Herbizide (B. Hock, C. Fedtke and R.R. Schmidt). Thieme Verlag, Stuttgart, New York (1995)