



## **Rainer Horn**

Professor for Soil Science (Chair)  
Institute of Plant Nutrition and Soil Science, Christian Albrechts University  
Germany

## **Biography**

EDUCATION, ACADEMIC ADVISORS and Positions held: Diplom: 1973 University of Hannover (Horticulture) Ph.D.: 1976 University Hannover, Soil Science (Advisor: Prof. Dr. Dr hc. K.H. Hartge) Habilitation: 1981 Technical University Berlin, Soil Science (Advisor: Prof. Dr. Dr hc. H .P. Blume) 1982- 1987 Professor for Soil Science, University Bayreuth 1988- 1998 Professor for Soil Science and Soil Protection (C3), Christian Albrechts University Kiel since 1.Oct.1998 Professor for Soil Science (Chair C4) at the Institute for Plant Nutrition and Soil Science, Christian Albrechts University Kiel AWARDS and FELLOWHIPS: Honorary Member: Soil Science Society of Romania, Romanian Academy of agriculture and forestry science Fellow award 2005 of the American Soil Science Society, Fellow award 2006 of the American Society of Agronomy, Honary doctor of the University of Applied Sciences and environment, Iasi, Romania 2012 Honary Professor of the Polytechnical University Lublin, Poland 2014 RESEARCH COLLABORATIONS AND INSTITUTIONS, extended visits: in China, Chile, Australia, Poland, USA, Brasil MAJOR PROFESSIONALACTIVITIES: President of the German Soil Science Society (2008-2011) President of the International Union Soil Science (IUSS) (2014- 2016) Chief Editor: Soil and Tillage Research TEACHING AND RESEARCH SUPERVISION OF PHD AND POSTDOC STUDENTS: 51 finished PhD –Students ; 3 Habilitations MEMBERSHIPS: German Soil Science Society (since 1974) International Union Soil Sciences (since 1974) International Soil and Tillage Research Organization Soil Science Society America European Geophysical Union. **Publications:** a) books and monographs, 22 b) papers in refereed international journals, >320 c) refereed book chapters and reviews, 106 d) refereed, published conference papers approx. 100 e) conference papers; >200

## **Research Interest**

Soil mechanics: stress strain effects in structured soils, soil structure effects, chemical as well as hydraulic processes in structured soils, coupled processes in structured unsaturated soils, waste deposit management capping systems, soil tillage effects on soil properties and functions, chemical and biological aspects of soil aggregates, carbon sequestration.