

**Prof. Dr. med. H. K. Biesalski** was head of the Institute of Biological Chemistry and Nutrition (1994-2016) as well as Director of the Food Security Center (FSC) at the University of Hohenheim in Stuttgart, Germany (2013-2017).

Prof. Dr. Biesalski has over 30 years' experience in research on retinoids and their actions on cellular growth and differentiation, vitamin A and human health, especially lung diseases. First, his research activities have concentrated on antioxidants and vitamins in basic and applied research on reactive oxygen species and their role in human nutrition. Since 2010, his research is related to food quality as an indicator of adequate and healthy nutrition and micronutrients in human health and disease.

Prof. Dr. Biesalski is Editor of the journal "Nutrition and metabolism in cancer" as well as European Editor of "Nutrition and Metabolism". He has edited 7 textbooks related to nutrition medicine, nutrition physiology, clinical nutrition and aging (some of them translated in English, French, Spanish and Chinese) and published more than 330 peer-reviewed papers in the most prestigious scientific journals dealing with nutrition, vitamins and nutrition medicine. He organized and chaired several international conferences in particular the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> International Congress Hidden Hunger (in 2013, 2015 and 2017). Together with Prof. Dr. Regina Birner he organizes and chairs the 4<sup>th</sup> Congress Hidden Hunger (02-28-2019 to 03-01-2019).

As Principle Investigator of nutrition studies in developing countries, he studied the impact of DDT on vitamin A status in refugee camps, nutrition and food quality including RUF (ready-to-use food) in developing countries (Thailand, Indonesia, Vietnam, Ethiopia, Kenya, Samoa), the impact of climate change on food quality (Collaborate Research Center University Hohenheim and Hebrew University) and the characterization of Ethiopian edible oils and its improved use in Ethiopian diets. Furthermore, he has developed IT based programs (with specific scoring systems to detect malnutrition and micronutrient intake in different groups (children, pregnant women and elderly, cancer patients); the programs are used in different trials to assess the individual nutrition status and to control intervention trials.

Prof. Dr. Biesalski is a member of different international societies and vitamin consultative groups, e.g. the WHO/FAO Expert Group Application of Nanotechnologies in the Food and Agriculture Sectors (Potential Food Safety Implications), the FAO/WHO BOND Initiative (Biomarker of Nutritional Deficiencies) and the High Level Panel of Expert Group of the Global Forum on Food Security and Nutrition. In 2007, he was elected as scholar of the Institute of Advanced Studies, Berlin and in 2017 he got the prestigious Justus von Liebig Award.