

Manuela Zude



Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB), Dept. Horticultural Engineering, Potsdam-Bornim, Germany

Dr. Manuela Zude has received her Fruit Physiology from Technical University Berlin (summa cum laude) in 1999 and started her career as a researcher at Leibniz-Institute für Agrartechnik Bornim (ATB), Potsdam, Germany. In 2009, she earned a Professorship at the Beuth University of Applied Sciences Berlin. Dr. Manuela Zude is member of Scientific Board in following journals: "Food and Bioprocess Technology", "Biosystems Engineering", "Postharvest Biology, and Technology". She works in national standardization committee for multi gas sensors (VDI/VDE), company CP (Falkensee, Germany), and serves as chair of the ISHS commission on Irrigation and Water Relations (CMIR). Currently, she is also a Senior scientist at ATB, Germany.

Research Interests

- Physical properties of fresh fruit
- In situ assessment of fruit by means of spectral-optical (multi- and hyper-spectral methods, time-resolved laser-induced fluorescence spectroscopy, back scattering imaging) and electro-chemical analyses
- Precision Fruticulture (zone-specific harvest management and orchard irrigation)

Curriculum Vitae

1994 - ERASMUS internship, University Gießen, *Germany*

1995 - ERASMUS funded semester at the Beijing Agricultural University, *P.R. China*

1995/96 - ERASMUS funded trimester in mineral nutrition at the Wageningen Agricultural University, *Netherlands*

1996 - Master of Science in Chemistry/Horticulture, Technical University Berlin (excellent)

1997 - Fellowship by the Technical University Berlin, TU Berlin, *Germany*

1999 - Ph.D. in Fruit Physiology, Technical University Berlin (summa cum laude)

1999 – 2003 - Researcher at ATB, Potsdam, *Germany*

2001/2003 - Fellowships by the University of Florida, *USA*

2003 - Starting a spin-off company, Technology Transfer Award of the State Brandenburg

2003 – 2004 - Postdoc at INRA-Versailles, INA-PG, Paris, *France*

2004 - Habilitation in Applied Plant Physiology, Humboldt University Berlin, *Germany*

2009 – 2010 - Sabbatical at the Central Queensland University, *Australia*

2009– 2016 - Professorship at the Beuth University of Applied Sciences Berlin

2005 and ongoing - Senior scientist with ATB, *Germany*