



Prof. Dr. ir. Annemie GEERAERD (1972) obtained her PhD in Applied Biological Sciences (1999) at KU Leuven. Subsequently she became an FWO-postdoctoral research fellow and conducted a research stay at ANSES (then AFSSA) in Paris. Since 2006 she is appointed as a research professor at the division MeBioS, Faculty of Bioscience Engineering and since 2013 she is coordinator of the expertise centre Ethics@Arenberg.

Annemie Geeraerd has an extensive 25 years expertise regarding food chain process modelling and safety, especially focusing on quantitative aspects such as predictive microbiology and risk assessment. More recently she also developed transcriptomic and metabolomics models for plant physiological processes with impact on quality and preservability of fresh fruit and vegetables in the postharvest chain. Her research group *Sustainability in the agri-food chain group* is focusing on quantitative models for microbiological food safety of the food chain and on sustainability calculations related with different food products in a *farm to fork* approach. Aim is to realize performant models allowing to develop dedicated advices having an impact on societal challenges and questions related with our food choices.

Dr. Geeraerd is promoter of 25 PhD students and in February 2017 she was promoter of Prof. Louise Fresco (Wageningen UR) at the occasion of her KU Leuven *doctorate honoris causa*. She is author of 200 journal publication listed in ISI WoS (*h-index* 36), mainly in the areas *Food Science and Technology*, *Microbiology* and *Horticulture* and, more recently, *Environmental Sciences* and *Agricultural Economics Policy*. The software tool GlnaFiT, for which her team ensures continuous support and updates since 2005, has become a standard tool in predictive microbiology and the associated paper has currently more than 600 citations (the 13th most cited paper in the *International Journal of Food Microbiology*).

Within KU Leuven Dr. Geeraerd was a member of the board of the faculty. She is active in the area of strengthening the ethical aspects of research by her membership of the Commission of Scientific Integrity and Ethics Committee on Dual Use, Military Use & Misuse of Research and by teaching activities for starting doctoral students and KU Leuven professors. At the Belgian level, she is member of the Scientific Committee of the Federal Agency for the Safety of the Food Chain (FASFC).

Key Expertises :

- ✓ Microbiological food safety
- ✓ Predictive microbiology & Risk assessment
- ✓ Sustainability calculations (LCA) for the agri-food chain
- ✓ Scientific integrity & ethics