

Andrea HARTWIG

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Andrea Hartwig received her Diploma in Chemistry in 1984, finished 1987 her PhD thesis and 1996 her Habilitation in Biochemistry at the University of Bremen. In 1998 she became Professor for Food Chemistry in Karlsruhe, Germany. Since 2010 she is Full Professor and Chair of Food Chemistry and Toxicology at the Karlsruhe Institute of Technology (KIT).

The main research area focuses on the impact of carcinogenic metal compounds as well as essential trace elements on genomic stability, with special emphasis on DNA damage induction and effects on DNA repair, gene expression and cell cycle control. At present, interactions of toxic metal compounds, essential trace elements and selected food components with so called zinc finger proteins involved in DNA repair, gene expression and tumor suppressor functions are investigated, including their redox regulation. Further research focuses on the toxicological evaluation of nanomaterials, with special attention to metal-based nanoparticles.

In addition, Andrea Hartwig is actively involved in chemical risk assessment. Since 2007 she is president of the „Senatskommission der Deutschen Forschungsgemeinschaft zur Prüfung gesundheitsschädlicher Arbeitsstoffe" („MAK-Commission“), member of the “Scientific Committee on Occupational Exposure Limits” (SCOEL) and serves as an expert for the European Food Safety Authority (EFSA).

She is author of more than 130 scientific publications and member of several boards of international scientific journals.