



Prof. Melchinger Albrecht

Albrecht E. Melchinger is a Full Professor of Plant Breeding at the University of Hohenheim, Stuttgart, Germany. Dr. Melchinger earned his Diploma degree in Mathematics from the University of Stuttgart and his Ph.D. and Habilitation degree in Plant Breeding from the University of Hohenheim.

Dr. Melchinger's research focuses mainly on the theory of plant breeding and breeding methods for allogamous crops. He has made significant contributions to quantitative genetics in plant sciences, application of genomic tools to characterize the genetic diversity of elite germplasm and genetic resources of major crops (maize, wheat, sunflower) and to study the architecture of complex traits in maize via QTL and association mapping. Further research areas are optimization of marker-assisted selection and QTL mapping. He conducts a research program in maize with genomic tools and released lines for commercial use. In addition, he has intensively collaborated with CIMMYT on the integration of molecular tools for relevant aspects of international wheat and maize breeding. Dr. Melchinger has authored or co-authored over 300 referred journal articles and book chapters, 82 abstracts and 56 extension and research publications.

He served as an associate editor of Crop Science, Euphytica, Plant Breeding, Maydica and is currently the editor-in-chief of "Theoretical and Applied Genetics". Dr. Melchinger has been active in various academic societies and research initiatives in Germany. From 2003-2009, he chaired a research initiative in Germany with 16 research groups and organized in 2009 an international conference on heterosis in plants. He served as a dean for the Faculty of Agriculture at the University of Hohenheim and as director of the Institute of Plant Breeding, Seed Science and Populations Genetics. He has been advisor to more than 100 graduate students.

Further details about his CV can be found at URL

<https://www.uni-hohenheim.de/1597.html?typo3state=persons&lsfid=1279> .