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Plant Biology

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Doležal Karel finished his Master in Inorganic Chemistry in 1990 at the Faculty of Sciences, Department of Inorganic Chemistry, Palacký University, Czech Republic and he did his PhD in Molecular Biology at Faculty of Medicine, Department of Medical Biology, Palacký University, Czech Republic in 1996. His fields of scientific focus are organic synthesis and analytical chemistry of plant hormones, (their analytical chemistry, endogenous occurrence and structure – activity relationship(s)). He went for Post-doc 1996-1997 at Bayreuth University, Bayreuth, Germany in group of Prof. Erwin Beck and 1997-1998 at Swedish Agriculture University Umeå/Department of Forest Genetics and Plant Physiology, Umeå, Sweden in group of Prof Goran Sandberg. Then he returned back to Olomouc as Senior Researcher, Deputy Head of Laboratory of Growth Regulators, joined laboratory of Palacký University & Institute of Experimental Botany AS CR, Olomouc, Czech Republic. Currently (from 2011) he works as senior researcher and Head of Department of Chemical Biology and Genetics, part of the Centre of the Region Haná for Biotechnological and Agricultural Research, Palacký University & Institute of Experimental Botany AS CR, Olomouc, Czech Republic. In 2014 he was awarded by Research Professorship of Biological-Ecological Sciences awarded by Academy of Sciences of the Czech Republic. To present he supervised 9 PhD and 6 Master Students (at Faculty of Natural Sciences, Palacký University, Czech Republic) and published more than 140 full scientific paper in internationally renowned and impacted journals, which have been cited on WoS more than 3900 times. He is also co-author of more than 60 granted patents, many of them licenced to companies, producing agrochemicals and active ingredients for biotechnology or cosmetology.