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SCIENTIFIC DEGREES AND EDUCATION:

2011 – professor in biological sciences, University of Silesia in Katowice, Poland

2005 – habilitation in biological sciences, field of study – developmental biology, Wrocław University, Poland

1994 – Ph.D. in Plant Science, field of study - plant development, Wrocław University, Poland

1989 – M.Sc. and engineer in Agriculture, Agricultural University of Wrocław, Poland

PRESENT POSITION: Professor, Department of Biophysics and Morphogenesis of Plants, Faculty of Biology and Environment Protection, University of Silesia in Katowice

RESEARCH EXPERIENCE:

2009 till present – Professor, Department of Biophysics and Morphogenesis of Plants, Faculty of Biology and Environment Protection, University of Silesia in Katowice

2005-2009 – Adjunct (Assistant Professor), Department of Biophysics and Morphogenesis of Plants, Faculty of Biology and Environment Protection, University of Silesia in Katowice

1994-2005 – Adjunct (Assistant Professor), Division of Plant Structure and Development, Institute of Plant Biology, Wrocław University, Poland:

1999/2000 – Fulbright Scholar, Department of Biological Sciences and Department of Mechanical Engineering, Stanford University, US

1989-1994 – Research Assistant, Ph.D. supervisor - Prof. B. Zagórska-Marek, Division of Plant Structure and Development, Institute of Plant Biology, Wrocław University, Poland

1990/1991 – Visiting Graduate Student, Department of Plant Sciences, University of Oxford, UK

RELEVANT PUBLICATIONS:

DUMAIS J., KWIATKOWSKA D. 2002. Analysis of surface growth in shoot apices. **The Plant Journal** 31: 229-241.

KWIATKOWSKA D., DUMAIS J. 2003. Growth and morphogenesis at the vegetative shoot apex of *Anagallis arvensis* L. **Journal of Experimental Botany** 54: 1585-1595.

KWIATKOWSKA D. 2004. Surface growth at the reproductive shoot apex of *Arabidopsis thaliana* – *pin-formed 1* and wild type. **Journal of Experimental Botany** 55: 1021-1032.

KWIATKOWSKA D. 2004. Structural integration at the shoot apical meristem: models, measurements and experiments. **American Journal of Botany** (Invited Special Paper) 91: 1277-1293.

KWIATKOWSKA D. 2006. Flower Primordium Formation at the *Arabidopsis* Shoot Apex - Quantitative Analysis of Surface Geometry and Growth. **Journal of Experimental Botany** 57: 571-580.

MÜLLER R, BORGHI L, KWIATKOWSKA D, LAUFS P, AND SIMON R. 2006. Dynamic and Compensatory Responses of *Arabidopsis* Shoot and Floral Meristems to *CLV3* Signaling. **The Plant Cell** 18: 1188-1198.

KWIATKOWSKA D. 2008. Flowering and apical meristem dynamics. **Journal of Experimental Botany** 59: 187-201. (invited review in **Flowering Newsletters** series)

ROUTIER-KIERZKOWSKA A-L, KWIATKOWSKA D. 2008. New stereoscopic reconstruction protocol for scanning electron microscope images and its application to *in vivo* replicas of the shoot apical meristem. **Functional Plant Biology** 35: 1034-1046

SZCZĘSNY T., ROUTIER-KIERZKOWSKA A-L., KWIATKOWSKA D. 2009. Influence of *clavata3-2* mutation on early flower development in *Arabidopsis thaliana* – quantitative analysis of changing geometry. **Journal of Experimental Botany** 60: 679-695.

KARIM Md. R, HIROTA A, KWIATKOWSKA D, TASAKA M, AIDA M. 2009. A Role for *Arabidopsis PUCHI* in Floral Meristem Identity and Bract Suppression. **The Plant Cell** 21: 1360–1372.

KWIATKOWSKA D, ROUTIER-KIERZKOWSKA A-L. 2009. Morphogenesis at the inflorescence shoot apex of *Anagallis arvensis*: surface geometry and growth in comparison with the vegetative shoot. **Journal of Experimental Botany** 60: 3407–3418.

GAAMOUCHE T, DE O. MANES C-L, KWIATKOWSKA D, BERCKMANS B, KOUMPROGLOU R, MAES S, BEECKMAN T, VERNOUX T, DOONAN JH, TRAAS J, INZE' D, DE VEYLDER L. 2010. Cyclin-dependent kinase activity maintains the shoot apical meristem cells in an undifferentiated state. **The Plant Journal** 64: 26-37

KWIATKOWSKA D, NAKIELSKI J. 2011. Mechanics of the meristems. In: Wojtaszek P (ed.) **Mechanical Integration of Plant Cells and Plants**. Springer-Verlag Berlin Heidelberg, pp: 133-172.