

Dietz, Karl-Josef

General Information

Name: Dietz, Karl-Josef
Academic title: Prof. Dr. rer. nat., Dr. rer. nat. habil.

Gender: Male
Institute address: Biochemistry and Physiology of Plants
Bielefeld University
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Current position/status: Professor (C4)



Academic Education and Qualifications

1977-1982 Study in biology at the Julius-Maximilians-Universität Würzburg. (Microbiology, Plant Physiology, Physiological Chemistry and Pharmaceutical Biology)
1982-1985 PhD studies, Institute of Botany, Universität Würzburg (Prof. Dr. Ulrich Heber)
1985-1987 Postdoc position at the CDB of Harvard University (Prof. Dr. L. Bogorad)
1987-1997 Akad Rat/ Akad. Oberrat at the Julius-von-Sachs-Institute of Biosciences, Julius-Maximilians-University Würzburg
1990 Habilitation at the University of Würzburg

Professional Career

1995/1996 Offers: C3-professorship (Univ. Braunschweig), C4 (Univ. Halle)
1997-current Professorial Chair (C4) in "Biochemistry and Physiology of Plants" at the Faculty of Biology, Bielefeld University
2004-2006 Dean of Faculty of Biology

Professional Honors, Awards and Other Activities

1984 Research Stay at the University of Sheffield (UK) (Prof. Dr. DA Walker)
1985 Science Prize of the University Foundation Würzburg
1991 Research Stay at the Centre Physiologie Végétale, Université Paul Sabatier (Toulouse, France) (Prof. Dr. Gerard Marigo, Dr. Hervé Canut)
1996 and 1999 Research Stays in the Biological Laboratory, Hitotsubashi University (Tokyo, Japan) (Prof. Dr. Tetsuro Mimura)
2003-current Juror Jugend Forscht/Schüler Experimentieren (scholars do research)
2002-current Editorial Board of the Journal of Experimental Botany
2003-current Editorial Board of Physiologia Plantarum
2008-current Editorial Board of Plant Physiology
2009-2010 Editorial Board of Molecular Plant
2008-current Science Board (Fachgutachter) of the DFG (German Research Foundation) /Plant Sciences, re-elected, spokesperson of the committee.
2009-2012 Executive Committee of the Fed. of European Societies of Plant Biology
2011 (VII, VIII) Professeur Invité de l'Université de la Grande Region et Univ. de Nancy
2012-current President of the German Botanical Society
2012 Gay-Lussac-Humboldt Prize (French Academy of Science/Ministry)
3/2012-8/2012 Research stay at Université de Lorraine (Nancy, Prof. Dr. JP Jacquot)
2013 (IX, X) Guest lecturer, research fellow, Wellesley College (MA, USA)

Publications (5 most important publications out of >230 publications, H-index 48 in SCI, 57 in Google Scholar)

1. Park SW, Li W, Viehhauser A, Kim S, Nilsson AK, Andersson MX, Kittle JD, Ambavaram MMR, Luan S, Esker AR, Tholl D, Ilerstróm M, Coaker G, Mitchell TK, Pereira A, **Dietz KJ**, Lawrence CB (2013)
Cyclophilin 20-3 relays a 12-oxo-phytodienoic acid signal during stress responsive regulation of cellular redox homeostasis
Proc Nat Acad Sci USA 110, 9559-9564
2. Romero-Puertas MC, Laxa M, Mattè A, Zaninotto F, Finkemeier I, Jones AME, Perazzolli M, Vandelle E, **Dietz KJ**, Delledonne M (2007)
S-nitrosylation of peroxiredoxin II E promotes peroxynitrite-mediated tyrosine nitration
Plant Cell 19, 4120-4130
3. Finkemeier I, Goodman M, Lamkemeyer P, Kandlbinder A, Sweetlove LJ, **Dietz KJ** (2005)
The mitochondrial type II peroxiredoxin F is essential for redox homeostasis and root growth of *Arabidopsis thaliana* under stress
J Biol Chem 280, 12168-12180
4. König J, Baier M, Horling F, Kahmann U, Harris G, Schürmann P, **Dietz KJ** (2002)
The plant-specific function of 2-Cys peroxiredoxin-mediated detoxification of peroxides in the redox-hierarchy of photosynthetic electron flux
Proc Nat Acad Sci USA 99, 5738-5743
5. Baier M, **Dietz KJ** (1997)
The plant 2-Cys peroxiredoxin BAS1 is a nuclear encoded chloroplast protein. Its expressional regulation, phylogenetic origin, and implications for its specific physiological function in plants
Plant J 12, 179-190