

BIOGRAPHY

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Title and name

Dr. Michael Klein

Nationality

German

Panel

Plant Protection Products and Their Residues (PPR)

Education

University degree in Chemistry (diploma) -1984 - University of Duisburg (Germany)

University degree in Chemistry (Dr. rer. nat.) -1987 - University of Duisburg (Germany)

Scientific and risk assessment experience

- Chemistry
 - Environmental fate modelling
 - Risk assessment of chemicals and environmental risk assessment
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Main scientific publications

More than 50 scientific papers, mainly dealing with environmental fate of chemicals (mostly pesticides) have been published in international journals and as books. Some more relevant papers are as follows:

Klein, M. (2007): Long Term surface water simulations with STEPS-1-2-3-4 in Del Re, Capri, Fragoulis, Trevisan (Hrsg:) Environmental Fate and Ecological Effects of Pesticide. Piacenza (ISBN: 978~88-7830-473-4).

Kördel, W., Egli, H. and M. Klein (2008): Transport of Pesticides via Macropores. Pure Appl. Chem. Vol 80 Nr. 1 pp. 105-160

Klein, M. (1998): Comprehensive tracer studies on the environmental behaviour of pesticides: the lysimeter concept in F. Führ, R.J. Hance, J.R. Plummer, J.O. Nelson (eds.), ACS Symposium series 699, 245-258, Washington.

Klein, M. (1999): Monte-Carlo Analysis Using Pesticide Fate Models, J. Pesticide Sci. 24, 55-59.

Kördel, W., Klein, M.: Prediction of leaching and groundwater contamination by pesticides. Pure Appl. Chem. 78(S), 1081-1090, 2006.

Erdtmann-Vourliotis, M., Klein M. and Hohgardt K. Assuring health protection for bystanders and residents Thought starter for a mathematical model for estimating short-term and long-term

exposure events with plant protection products and a proposal for a step-by-step procedure¹. J. Verbr. Lebensm. 2 (2007): 383 - 392

Klein, M.: Berechnung zonaler und kompartimentbezogener Halbwertszeiten persistenter organischer Schadstoffe (POPs) in der Umwelt. BUA-Bericht 232, hsg. vom Beratergremium für Altstoffe, S. Hirzel Wissenschaftliche Verlagsgesellschaft

Klein, M., Herrmann, M.: Grundwassergefährdung durch Holzschutzmittel: MCPELMO 3.0 - Ein mathematisches Simulationsprogramm zur Abschätzung der Grundwassergefährdung unter Holzlagerflächen in Deutschland. Umweltwissenschaften und Schadstoff-Forschung: UWSF. Zeitschrift für Umweltchemie und Ökotoxikologie 16 (2004) Nr.1: 57-63
