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Engineering & Scientific Consulting

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Professional Profile

As an environmental fate specialist, Dr. Mamouni specializes in the study of the behaviour and metabolism of chemicals in water, soil, sediment, plants and air. He has over 37 years of experience conducting and monitoring environmental studies. He provides scientific and strategic consultation to industrial clients.

Dr. Mamouni is experienced in the provision of expert regulatory advice relating to the environmental fate of agrochemicals and biocides and representation and negotiation with EU regulatory authorities on such issues. Dr. Mamouni has been involved in the preparation of a large number of assessments for the EU dossiers.

Dr. Mamouni has devoted 30 years of his academic and professional career to testing the environmental safety of chemicals, agrochemicals, pharmaceuticals, and biocides according to worldwide regulations. He has an in-depth knowledge all aspects of environmental fate degradation pathways and has developed unique and successful testing strategies for complex compounds. This has involved for example conducting tailor-made studies aimed at addressing a particular regulatory issue. His expertise has been of particular use when environmental issues have arisen with regulatory authorities. Using even limited available data, he has prepared expert regulatory statements or arguments for immediate submission to authorities and proposed rapid and cost-effective testing strategies to further support the registration of the compound. When required, he has represented clients in dealings with regulatory authorities worldwide. His experience with a vast spectrum of compounds has facilitated postulation of metabolic pathways is soil, plants and water and his vast experience in the major analytical techniques (LC/MS/MS, GC/MS/MS and NMR) has enabled successful characterization and identification of metabolites.

Dr. Mamouni worked as Head of the Environmental Fate and Metabolism department at Swiss-based Contract research Organization for eleven years. Within this position, he acted as regulatory consultant in matters related to environmental fate, metabolism, and leaching for the registration department. He was mainly responsible for evaluating data and providing technical advice on environmental fate to clients worldwide.

Academic Credentials & Professional Honors

Ph.D., Industrial Chemistry, Claude Bernard University, France, 1989

M.S., Industrial Chemical Science & Technology, Claude Bernard University, France, 1986

D.E.A., Industrial Chemistry, Claude Bernard University, France, 1986

B.Sc., Chemistry and Physics, Cadi Ayyad University, Morocco, 1985

Prior Experience

Regulatory Advisor & Technical Expert, IES (Innovative Environmental Services) Ltd., 2008-2009

Group Leader & Regulatory Consultant in Environmental Fate & Metabolism, RCC Ltd., 1996-2007

Study Director in Environmental Fate & Metabolism, 1991-2006

Research Chemist, Research Centre for Health and Environment (GSF), 1989-1991

Chemist, Institut für Ökologische Chemie (Attaching, Germany), 1987-1989

Photochemist, Laboratoire de Photochimie Industrielle at the University Claude Bernard (Lyon), 1985-1986

Languages

Arabic

German

French

Publications

Mamouni A. Sorption kinetics in PEARL A flexible approach to parameterisation. Poster presentation at the SCI conference on Pesticide Behaviour in Soils, Water and Air, University of Warwick, 27-29 March 2006.

Mamouni A. Photodegradation of pesticides - VII Photodegradation of carbetamide-photoproducts. Chemosphere 1994; 26(10):1917-1923.

Mamouni A. META V. A model of photodegradation for the prediction of photoproducts of chemicals under natural-like conditions. Chemosphere 2001; 45(6-7):971-981.

Mamouni A. Photodecomposition of Isoxaben in aqueous systems and solid phase Schmitt. The Science of the Total Environment 1992; 123/124:171-182.

Mamouni A. Abiotic degradation pathways of isoxaben in the environment. Pesticide Science 1992; 35:13-20. Also: Pest Management Science 1992; 35(1):13-20.

Mamouni A. Factor determining the behaviour and transformation of selected pesticides in water, soil suspension and soil. Proceedings, Methodological Aspects of the study of Pesticides in Soil, INRA, Versailles, France, pp 87-100, June 16-17, 1990.

Mamouni A. Photodegradation of phytosanitary molecules. VII. Photodegradation of carbetamide alone or in the presence of formulation adjuvants. Chemosphere 1009; 20:267-273.

Mamouni A. Effect of acetophenone on the photostability of formulations: Case of carbetamide. Chemosphere 1990; 21:913-917.

