

Biography of Dr. R. Meij.

Ruud Meij was educated at the University of Amsterdam, the Netherlands. In 1973 he received his Master's Degree with inorganic chemistry as a major subject and chemical physics and environmental technology as minor subjects. In 1978 he received his PhD Degree from the same university on a subject of organometallic chemistry; supervisor Prof. Dr. K. Vrieze. Title of thesis "Low valent metalcomplexes of sulphurdiimines and N-sulfinylanilines".

Dr. Meij was employed at the University of Amsterdam from 1971 until 1980. His last position was a senior graduate staff member in the Inorganic Chemistry Section of the University of Amsterdam. During that time he wrote 13 publications in international journals.

Dr. Meij is employed at KEMA, in Arnhem, the Netherlands, from 1980 until 2008. His last position is Senior Scientist. He was engaged in problems of energy and the environment, especially in the field of air pollution and of by-products of coal-fired power plants including co-firing.

Extensive research is performed into two areas:

1. The emissions, dispersion, and deposition (dry and wet) of coal-fired power stations. Both particulate matter (composition and particle size) and gaseous components are studied. The behaviour of trace elements during combustion and its fate in the cleaning devices is studied in great detail.
2. The environmental and occupational effects of the by-products of coal-fired power stations. The following items were researched: composition (heavy metals, PAH, dioxins), leaching behaviour, particle size, toxicology, α -quartz, radioactivity). In order to judge the health hazard of coal fly ash a model was made for predicting the ash composition (KEMA TRACE MODEL[®]) and a methodology for the assessment (KEMA DAM[®]).

Complicated European guidelines are incorporated in the KEMA TRACE MODEL[®], such as the Waste Incineration Decree (WID) and the European Waste Catalogue (EWC).

Since 1980 he wrote 295 reports and 85 publications on these subjects.