

Anne-Marie DELORT
The cloud microbiota - *Microorganisms-H₂O₂* interactions



In addition to a general background in chemistry and molecular biology, Anne-Marie Delort's expertise covers Microbiology and NMR spectroscopy, and more recently Metabolomics (NMR and MS). She specifically studies microbial metabolism in relation with the environment. She has been a pioneer in studying the microbial population in clouds. Her studies concern the role of microorganisms in atmospheric chemistry and physics. This includes the transformation of organic matter, interaction with oxidants, formation of Ice Nuclei and Cloud Condensation Nuclei. More recently she has published a work on priority pollutants present in cloud waters. She also works on the biodegradation of plastics.

She published 150 papers in international journals and 18 book chapters. She was invited speaker at 75 national and international conferences.

She founded and was head of the Institute of Chemistry of Clermont-Ferrand (110 permanent staff, 250 in total). She is in charge of representing the CNRS at ALLENI (Alliance Nationale de Recherche en Environnement) that gathers all the French institutions of research working in the environmental field.