

【Abstract of 2008 Grant – in – Aid for Scientific Research on Innovative Areas
(Research in a proposed research area)】

Title of project	Impacts of aerosols in East Asia on plants and human health
Head Investigator Name	Shiro Hatakeyama
Abstract of Research Project	<p>In the worsening situation of trans-boundary air pollution from the East Asia, the influence that aerosol gives to plants and human health is not yet elucidated enough. In this research area, quality and quantity of aerosols and their precursors transported long-range will be measured by aerial and ground based observations and, then, each process of aerosol generation, transformation, and deposition will be clarified. Based on these backgrounds, exposure experiments of plants to aerosols and analyses of deposition processes will be made. Influence of transported aerosols on human health will be also studied mainly on epidemiologic investigation in Asia.</p>
Term of Project: 2008–2012	<p>It becomes possible to clarify the point to which we should pay attention in emission-source measures in the East Asia by understanding the situation of the long-range trans-boundary air pollution by aerosols and their influence on plants and human health.</p>