Mentoring Lecture Series
Empowering Women to Develop Academic Careers

April 17, 2012, 16:00, UZAI 2B201
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Cloud Condensation Nuclei at Background and Urban Sites in Austria

Cloud condensation nuclei (CCN) are an important subset of atmospheric aerosol particles because of their ability to grow to cloud droplets at low super-saturations and consequently their effect on the radiative properties of clouds. We developed a CCN counter in 1995 and used it for intensive field experiments on Sonnblick (3106 m a.s.l.), Rax (1680 m a.s.l.) and Vienna as well as on laboratory generated aerosols and aircraft engine exhaust.

The presentation will give a general overview over atmospheric aerosols and especially CCN, their sources, properties and importance as well as results obtained for the different stations and experiments.

The science lecture (ca. 1 hour) is followed by a Question & Answer period on issues specific to career development of women in academia (e.g., options, barriers, how to overcome them, good practices and strategies).

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