atmosphere

Call for papers

Special Issue "Sensors for Air Quality Assessment"

We have been invited to edit a Special Issue on "Sensors for Air Quality Assessment" in the OPEN ACCESS journal *Atmosphere* (ISSN 2073-4433, Impact Factor: 1.487).

http://www.mdpi.com/journal/atmosphere/special_issues/sensors

Low-cost sensor technologies are gaining increasing interest for monitoring of air quality, both in the outside air and indoors. Sensor technologies can provide comprehensive information concerning a wide range of pollutants with high spatial and temporal resolution. They thereby offer the basis for novel environmental information services, i.e. green routes through cities for bikers and joggers. However, the data quality and reliability of these sensors as well as systematic integration with fixed monitoring stations and modeling approaches remain challenging.

The Special Issue will cover a range of topics addressing modern sensor technologies, tests, validation and calibration as well as practical applications including multisensor integration, uses for model validation, data fusion and data assimilation, but also for supporting environmental information services and citizen science goals. We target high quality papers on the latest technological developments as well as examples of field studies using low-cost air pollution sensors of various types and for numerous applications in ambient, as well as indoor, environments.

Considering your outstanding research in this area, we would be highly delighted if you would be willing to submit an original research article or an extensive review for consideration to this special issue. If you are interested in contributing, please let us know as soon as possible. **In addition, we would appreciate a tentative title and a very short summary of 1-2 sentences by the end of September 2018** (optional).

The final deadline for submissions is January 31, 2019.

Please do not hesitate to contact one of us or the editorial office (katniss.wang@mdpi.com or atmosphere@mdpi.com) for further information.

With kindest regards,

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