

Facilities

We have a high level of equipment for studies of environmental pollution, both in our well equipped laboratories and for field measurements. Our sampling instruments are operated world-wide and we are currently developing the Birmingham Urban Climate Laboratory through dense instrumentation of the West Midlands conurbation.

[Environmental Health Sciences facilities \(/facilities/environmental-health/index.aspx\)](/facilities/environmental-health/index.aspx)

Environmental Health Sciences at the University of Birmingham has its own modern laboratories housing an extensive range of state-of-the art analytical instrumentation all available for 'hands-on' use by our research students.



[Facility for Environmental Nanoscience Analysis and Characterisation \(FENAC\) \(/facilities/fenac/index.aspx\)](/facilities/fenac/index.aspx)

The Facility for Environmental Nanoscience Analysis and Characterisation (FENAC) is a funded NERC facility. It is a joint project between two colleges (Life and Environmental Sciences and Engineering and Physical Sciences) and several Schools and research centres (Geography Earth and Environmental Sciences, Biosciences, Chemical Engineering, Chemistry, Physics and Astronomy, and the Centre for Electron Microscopy).



The aim of this facility is to produce reliable data analysing nanoparticles under realistic conditions for the better understanding of biological and environmental impacts of manufactured nanoparticles. The facility will perform physico-chemical characterisation and analysis in the whole of the environmental nanoscience area but will focus on collaborative research with ecotoxicologists and toxicologists working in the field of nanotoxicology using techniques and methods such as electron and force microscopy, field flow fractionation and various spectroscopic methods.

[The Birmingham Urban Climate Lab \(BUCL\) \(/schools/gees/centres/bucl/index.aspx\)](/schools/gees/centres/bucl/index.aspx)

The Birmingham Urban Climate Lab (BUCL) was established in the School of Geography, Earth and Environmental Sciences in May 2011. The research lab will focus on all aspects of urban climate over the coming years.

