CO₂ Lower Carbon

Minimal Waste

Biodiverse Campuses

Sustainable Travel

Positive Procurement

Wellbeing and Health

Culture and Community

Knowledge and Skills

Sustainable Labs

Swansea University
Prifysgol Abertawe

Sustainability
Cynaliadwyedd

How does research integrity impact sustainability in the lab?

Research integrity has an impact on sustainability through ensuring quality results and reducing the likelihood of repeat tests if data is insufficient. If you need to repeat an experiment because of pipettes or balances not being accurate you are using twice the materials.

Some simple things you can do to increase your research integrity within the sustainable labs program includes:

- Have a forum for sharing and discussing negative results, and implementing methods to reduce the number of problems raised related to methods, protocols or equipment

- Calibration of pipettes and other measuring/analytical equipment to ensure accuracy

- Sharing common protocols and methods to ensure better comparability between results

- Use of core facilities and following SOPs to reduce doubling up on equipment and increasing energy consumption

- Verification of sterilisation and cleanliness methods to increase accuracy of your results

- Utilising laboratory management software

For more information contact your local Environment Officer:

- sustainability@swansea.ac.uk

SwanseaSWell

swansea.ac.uk/sustainability

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