

# International Conference: The Future of Long-Term Experiments in Agricultural Science

Rothamsted Conference Centre,  
Rothamsted Research, Harpenden, Hertfordshire, UK  
21-23 May 2018

Long-term research plays a major role in designing future agricultural systems and understanding the consequences of new practices and technologies. Worldwide, numerous long-term experiments (LTE) or other long-term research platforms have been established, following a tradition that started with the first classical long-term trials planted in 1843 at Rothamsted in the UK.

2018 marks the 175<sup>th</sup> anniversary of these trials and of Rothamsted as an agricultural research institution. On that occasion, Rothamsted Research will host an international conference to celebrate the unique role of long-term experiments in agricultural science, review lessons learned from similar studies worldwide, identify new questions to ask, and discuss new ways of doing such long-term research in the future.

## Planned sessions

- The unique contributions of LTEs to agricultural science
- New designs, methods, and tools for LTEs
- The mathematics and statistics of LTEs including mathematical modelling and databases
- Progress and future viability of a Global Long-Term Experiments Network

The conference will be forward-looking, focusing on how

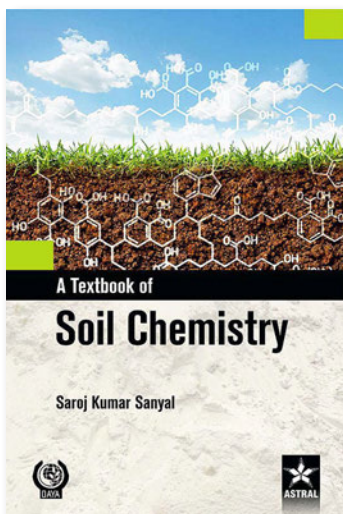


long-term experiments can contribute best to the worldwide quest for a sustainable intensification of agriculture. Besides scientific presentations and debates, it will include live streaming of key sessions to a global audience, flash talks, visits to the long-term experiments and sample archive, and other activities.

More about this conference at:

<https://www.rothamsted.ac.uk/events/future-long-term-experiments-agricultural-science>

## Recommended Reading: A Textbook of Soil Chemistry by Dr. Saroj Kumar Sanyal



The book entitled “A Textbook of Soil Chemistry”, written by Prof. (Dr.) Saroj Kumar Sanyal, is a significant contribution to aid modern soil science education and research. This book has dealt with the chemistry of soil which involves application of the basic concepts and principles of chemistry to the heterogeneous, complex, and living soil system. The book has made a concerted effort to unravel the basic processes in soil, accompanying several important transformations, with direct bearing to its use for agricultural production. Professor Sanyal is particularly successful in relating the principles of basic chemistry to the intricate processes in soil, thereby leading to an in-depth understanding of the soil processes.

This comprehensive textbook provides a thorough knowledge base for new students as well as advanced learners. As a legacy of Prof. Sanyal’s outstanding teaching and research contributions in the field of soil chemistry, the text will certainly cater to the needs of post-graduates, and will serve as teaching material for teachers and agricultural scientists.

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