



CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY

AUTHOR INFORMATION PACK

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DESCRIPTION

The Current Opinion journals were developed out of the recognition that it is increasingly difficult for specialists to keep up to date with the expanding volume of information published in their subject. In *Current Opinion in Environmental Sustainability*, we help the reader by providing in a systematic manner:

1. The views of experts on current advances in environmental sustainability in a clear and readable form.
2. Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

Current Opinion in Environmental Sustainability aims to track the emergence of a new innovative sustainability science discipline by integrating across regional and global systems with their typical dimensions, human-environment interactions and management challenges. *Current Opinion in Environmental Sustainability* thus emphasises the actual interdisciplinary sustainability research approaches, the solutions it provides and their dissemination and application.

Current Opinion in Environmental Sustainability aims to stimulate scientifically grounded, interdisciplinary, multi-scale debate and exchange of ideas. It will contain polished, concise and timely review and synthesis papers. Additionally, Current Opinion in Environmental Sustainability will continue to publish papers on strategic research plans of Future Earth (<http://www.icsu.org/future-earth>) and related global-change projects. It will thus serve as an invaluable source of information for researchers, lecturers, teachers, professionals, policy makers and students.

The subject of environmental sustainability is divided into 6 themed annual issues. Each theme helps to identify, understand and solve sustainability problems and are not mutually exclusive. The overlap results from the actual complexity of combining all the sustainability science dimensions and approaches. The themes are:

1. Environmental change issues;
2. Environmental change assessments;
3. System dynamics and sustainability;
4. Sustainability governance and transformation;
5. Sustainability challenges;
6. Sustainability science.

This set allows for flexible integration of natural sciences with the social sciences, humanities and engineering disciplines. The themes focus on major global-change systems and problems (Themes 1-3), the emerging new transdisciplinary sustainability science, as generated in Future Earth or as part of the evolving UN's sustainable development goals (Themes 4 and 5) and a more philosophical reflection on approaches of sustainability science (Theme 6).

Selection of topics to be reviewed:

Section Editors, who are major authorities in the field, are appointed by the Editors of the journal. They divide their section into a number of topics, ensuring that the field is comprehensively covered and that all issues of current importance are emphasised. Section Editors commission reviews from authorities on each topic that they have selected.

Reviews:

Authors write short review articles in which they present recent developments in their subject, emphasising the aspects that, in their opinion, are most important. In addition, they provide short annotations to the papers that they consider to be most interesting from all those published in their topic over the previous year.

Editorial Overview:

Section Editors write a short overview at the beginning of the section to introduce the reviews and to draw the reader's attention to any particularly interesting developments.

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The Current Opinion journals were developed out of the recognition that it is increasingly difficult for specialists to keep up to date with the expanding volume of information published in their subject. In the Current Opinion journals, we help the reader by providing in a systematic manner: (1) The views of experts on current advances in the field in a clear and readable form. (2) Evaluations of the most interesting papers, annotated by experts, from the great wealth of original publications.

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[3] Barber J, Kuhlbrandt W: **Photosynthesis and photoconversion**. In *Molecular to Global Photosynthesis*. Edited by Archer M, Barber J. Imperial College Press; 2004:3-89.

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Using class I tetramers, the authors demonstrate that insulin-specific CD8+ T cells account for a large proportion of infiltrated T cells in the islets of prediabetic NOD mice. This is the first study to use peptide multimers to decipher the mechanism of autoimmunity.

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