

## Transforming food systems

The quest for sustainability

Dr Dave Watson



**burleigh dodds**  
SCIENCE PUBLISHING

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Food manufacturing & related  
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### Distributors

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## New title information

# Transforming food systems

## The quest for sustainability

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### Description:

There is an almost universal recognition that modern agri-food supply chains are unsustainable. They are seen as both contributing to and vulnerable to climate change, too reliant on environmentally-damaging synthetic inputs, as undermining biodiversity, generating significant losses and waste and failing to deliver the nutritious food required for a healthy, balanced diet.

*Developing sustainable food systems* addresses one of the greatest global challenges of our time: how to reform food systems so they are more sustainable but still able to produce the food we need. The book traces the evolution of the current global food production system and reviews competing approaches to achieving more sustainable production, starting with 'reformist' approaches which promote new technologies as a way forward, such as genetic modification and synthetic foods.

This collection also considers the pros and cons of 'progressive' approaches, such as regenerative and organic agriculture, as well as the more radical solutions which seek to achieve a more fundamental reform of the food system.

As the world tackles the central question of how food should be produced in the future, this book provides readers with an authoritative guide to the various solutions on offer and how to assess which road we should take.

### Key features:

- Sets out the historical context for understanding the current challenges facing food production
- Gives a unique overview of the range of reformist, progressive and radical solutions to reforming the global food system
- Provides a framework for comparing the relative strengths and weaknesses of different solutions

### Audience:

University and other researchers in agriculture, rural studies, food policy and environmental science, as well as government personnel involved in developing policies for agriculture and food production

### Author details:

Dr Dave Watson is a leading authority on sustainable development and optimising value chains in agriculture. He has taught courses on sustainable development for the University of Hull (UK), as well as managing research and development programmes for the International Livestock Research Institute (ILRI), the International Institute of Tropical Agriculture (IITA) and the International Maize and Wheat Improvement Center (CIMMYT) in Mexico. Dr Watson is editor of the two-volume *Achieving sustainable cultivation of maize*, also published by Burleigh Dodds Science Publishing.

### Table of contents:

#### Part 1 The global food system

- 1. Emergence of the global food system
- 2. Trouble at t' mill
- 3. Drivers and outcomes of change

#### Part 2 Competing paradigms of food production

- 4. Neo-productivist food systems
- 5. Reformist food systems
- 6. Progressive food systems
- 7. Radical food systems

#### Part 3 The golden chalice of sustainability and the evolution of food systems

- 8. The golden chalice of sustainability
- 9. Food system evolution

### Related products:

Climate change and agriculture, 978-1-78676-320-4, 28 Apr 2020, AUD 270.00, CAD 255.00, EUR 180.00, GBP 150.00, and USD 195.00

Developing circular agricultural production systems, 978-1-80146-256-3, 09 Jan 2024, AUD 270.00, CAD 255.00, EUR 180.00, GBP 150.00, and USD 195.00

Key issues in agricultural ethics, 978-1-80146-313-3, 13 Jun 2023, AUD 260.00, CAD 245.00, EUR 175.00, GBP 145.00, and USD 190.00

Pesticides and agriculture, 978-1-78676-276-4, 06 Aug 2018, AUD 305.00, CAD 290.00, EUR 205.00, GBP 170.00, and USD 220.00