

British Society of Animal Science

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British Society of Animal Science *(formerly British Society of Animal Production)*

The British Society of Animal Science aims to provide the opportunity for those with an interest in animals and animal production to exchange views, ideas and information. It is an energetic and active society with about 900 members from over 30 countries throughout the world. Today, as ever, the Society is the natural meeting point for all those with an interest in animal science. Its membership is drawn from research, education, advisory work, commerce and the practical livestock industry.

The Society organises a major scientific meeting every spring and occasional specialist meetings on key topical issues. If you would like to join or receive further information about the Society contact: The Chief Executive, BSAS, PO Box 3, Penicuik, Midlothian EH26 0RZ, UK, Tel: +44 (0)131 445 4508, Fax: +44 (0)131 535 3120, Email: BSAS@ed.sac.ac.uk, Web: www.bsas.org.uk

Animal Science

Animal Science, published six times a year both on-line and in print, is a major scientific journal of international repute, publishing fundamental and applied research including all aspects of the sciences relevant to an understanding of animals, their function and performance and their relationship to the social and physical environment. Research at the molecular, cellular, organ and system levels are all included along with research involving whole animals, production systems and mathematical modelling. Papers, both invited and submitted include areas covering breeding and genetics, nutrition and digestion, physiology and endocrinology, reproduction, lactation, health, behaviour, ethology and welfare, environment and housing, food evaluation and animal products.

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responding to the livestock revolution

the role of globalisation and implications for poverty alleviation

BSAS Publication No. 33

Edited by E Owen, T Smith, MA Steele, S Anderson, AJ Duncan,
M Herrero, JD Leaver, CK Reynolds, JI Richards and JC Ku-Vera

This book discusses the Livestock Revolution which is occurring in some developing countries and is foreseen to become a wider phenomenon over the next 20 years, due to increases in population, urbanisation and incomes. As a result, a gigantic increase in demand for meat and milk is predicted. The many implications for animal agriculture in developing countries, and globally, are considered. The recurring question addressed is whether the Livestock Revolution will help or hinder the alleviation of poverty amongst resource-poor livestock farmers.

As well as the Livestock Revolution, topics addressed include poverty mapping, impact of trade agreements, bio-security constraints to trade, environmental implications, the role of animal science research and GM technology, development aid, knowledge management and dissemination, and case studies of the milk sector in Bolivia, Kenya and Nepal.

The book will be invaluable to all concerned with animal agriculture and poverty alleviation, be they lecturers, students, policy makers, researchers or practitioners, including farmers and their advisers.

Contents

Responding to the increasing global demand for animal products • Mapping livestock and poverty • The livestock revolution - a view on implications for Africa • The impact of trade agreements on livestock producers • Disease and bio-security constraints to trade in animal products • The potential impact of Vietnam's entry to the WTO on the livelihoods of smallholder pig producers and small pig traders • The contribution of livestock to smallholder livelihoods in Mexico • Small animal species in the livelihoods of small-scale farmers in tropical Bolivia • Livestock, land use change and environmental outcomes in the developing world • Demand-driven crop-ruminant intensification • Effect of intensification on feed management of dairy cows in the Central Highlands of Kenya • Ecological impacts of sustainable systems for smallholders in Vietnam • Research to alleviate poverty in the face of industrialisation of livestock production • Meeting the increased demand for animal products in Asia • Livestock and the poor • GM technology: a tool to benefit livestock production • GM technologies - opportunities and threats of applying GM technology in less developed and developed countries • Financing the livestock revolution in the developing world • Knowledge management and dissemination for livestock production • Development of *Farmer Field School* methodology for smallholder dairy farmers in Kenya • Demand and supply side changes in the Santa Cruz, Bolivia, milk sector 1985-2002 • Demand and supply changes in the livestock sector and their impact on smallholders: the case of dairying in Kenya • Demand and supply changes in the dairy sector in Kathmandu city • A comparative analysis of milk sectors - Nairobi, Kathmandu and Santa Cruz • Index

