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Sustainable Management of Livestock Farms for Reducing Environmental Loading of Nutrients

Guest Editor:

Dr. Partha Ray

School of Agriculture, Policy and Development, University of Reading, Reading, Berkshire RG6 6AH, UK

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closed (30 November 2020)

Message from the Guest Editor

The traditional use of livestock manure as a fertilizer to improve soil fertility has been under scrutiny because of the accumulation of manure-borne nutrients in soil and subsequent water pollution. The continuous land application of manure-borne nutrients at a rate higher than what crops can utilize has resulted in the saturation of soil nutrient reserve, which contributes to nutrient loss to surface and ground water via surface runoff and leaching, respectively, leading to unwanted algal bloom in waterbodies and eutrophication. In addition, the intensification of livestock production has caused nutrient surplus on livestock farms and aggravated the issue of spatial variability in soil nutrient status. This Special Issue will publish current research on identifying, developing, and applying sustainable on-farm management strategies to reduce nutrient accumulation on livestock farms and subsequent nutrient loss to the environment. We are also seeking contributions on farmer-friendly but robust methods/tools to quantify nutrient status and utilization efficiency at the farm level.



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Special Issue



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Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia

2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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