عنوان فارسی مقاله:
چشم اندازهای مربوط به کشاورزی دقیق دام

عنوان انگلیسی مقاله:
The prospects for precision livestock farming

توجه!

این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
Conclusions

Some elements of PLF are already commonplace on livestock farms, i.e. sensing systems for milk yield in dairying, and their use should be part of livestock production irrespective of the greater potential of PLF to manage livestock automatically. If the promise of PLF is to be realised, three barriers need to be overcome before commercial uptake occurs: i) PLF technology needs to be developed that is based upon robust, low cost sensing systems and data-based models with meaningful parameters that enable control of two or more interacting physical and/or biological processes; ii) appropriate applications must be identified with targets and trajectories specified for the main processes; and iii) development and demonstration must be at a commercial scale to show that investment will generate a reasonable return and that the technology is reliable. Given the scale of these challenges and the timescale needed to overcome them, current effort should focus on the development of monitoring systems for livestock that satisfy the demands of consumers and regulators for safe, nutritious food produced from traceable farm animals of guaranteed standard of welfare within acceptable limits of environmental emissions.