

MASHITAH SHIKH MAIDIN

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EXPERTISE

Endocrinology/ Animal Reproductive Physiology

Dr. Mashitah Shikh Maidin is currently a senior lecturer at the Department of Biology, Faculty of Science, Universiti Putra Malaysia. Her research involves both fundamental and applied researches and mainly focused on animal physiology, reproductive management and animal biotechnology. Most of the research revolves around animal endocrine physiology and animal reproductive management as well as development process in female animals (especially in goats), with a particular focus on the pathways through which environmental factors influence the reproductive system. As worldwide demand for such goat products increases, more attention needs to be paid to reproductive performance. In addition, the rate of production of offspring is a basic factor in the economic success of the goat industry, a particularly important issue in countries such as Malaysia where the goat industries contribute heavily to the domestic economy. Livestock production efficiency depends greatly on nutritional management for reproductive efficiency ('focus feeding'), as embodied in the concept of 'clean, green and ethical management'. The effects of nutritional supplementation on reproductive function were expected to be correlated with alterations in the secretion of metabolic hormones.

CURRENT RESEARCH INTEREST:

Currently, she is involved in animal biotechnology research which initiates a collaboration with engineering technologies. For a long term goal, her research works will continue to focus on generating information for eventual development of management strategies to improve animal production and profitability of farms animals. What is more important here, we can improve animal productivity and profitability while promoting clean, green and ethical production.

LINK TO POSTGRADUATE FIELD OF STUDY:

ADDITIONAL INFORMATION: