



BIOTECHNOLOGY IN ANIMAL HUSBANDRY

Neil Wilson

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BIOTECHNOLOGY IN ANIMAL HUSBANDRY

Animal husbandry, also called animal science, stockbreeding or simple husbandry, is the agricultural practice of breeding and raising livestock. It has been practiced for thousands of years, since the first domestication of animals. Animal husbandry is the science of caring and breeding of domestic animals and development of genetic traits such as high yielding, disease resistance, etc. that are valuable to humans. Animal husbandry involves breeding and raising livestock like buffaloes, cows, goats, camels, horses, sheep etc. and even extended to poultry farming and fisheries. Animal biotechnology is a broad umbrella encompassing the polarities of fundamental and applied research including molecular modelling, molecular and quantitative genetic, gene manipulation, development of diagnostic and vaccine and manipulation of tissue or digestion metabolism by growth promoters. Animal Husbandry is intended primarily as a text for the basic course in animal industries and farm animals, as the case may be. It should prove useful as a reference book for those involved in livestock production. The principal scientist or animal management supervisor should make all animal care personnel aware of their responsibilities during both normal work hours and emergencies. This new book sets out to show that the important ideas in animal biotechnology are exciting and relevant to everyday experience. It represents an important update of the literature for research workers, lecturers and advisers in animal science but also a core text for advanced undergraduate courses in animal science and biotechnology.

Contents: 1. Preparation of the Animal, 2. Animal Biotechnology: Food Safety Concerns, Regulation and Society, 3. Husbandry: Animal Care Personnel, 4. Genetic Improvement in Animals, 5. Methods of Animal Breeding, 6. Livestock Protection and Farming Management, 7. Fish Farming, 8. Principle of the Method of the Animal Feeding, 9. Poultry Farming, 10. Basic Ruminant Nutrition.

Neil Wilson is a Professor in Biotechnology at the University of Istanbul. He received his graduation, master and Ph.D. degree in Biotechnology from Ankara University. He has directed the research of numerous doctoral students, postdoctoral associates, and visiting scholars, and is the recipient of various awards. He has published widely on a wide range of subjects related to animal biotechnology. He has served on numerous national and international advisory bodies. He has authored 330 peer-reviewed papers and 290 abstracts, as well as presented at over 70 internationally invited conferences. He has contributed 50 book chapters to biotechnology. He is a peer reviewer for international numerous journals.

