

# Alternate Feed in Livestock

(Herbal Medicine and Phytogenic)

Edited by:

Dr. Seyedmousa Hosseini



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# **Alternate Ingredients in Livestock (Herbal Medicine and Phytogenic)**

**Edited by:**

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Islamic Azad University, Department of Animal Science,  
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**World Science and  
Research Publishing**

Published by:  
**World Science and Research Publishing**

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ISBN: 978-622-94331-4-0

Library of Congress Cataloging-in-Publication Data

Alternate ingredients in Livestock (Herbal Medicine and Phytogenic)

**Editor:** Dr. Seyedmousa Hosseini

Includes Bibliographical references and index.

Contents: Animal Science

1. Herbal Medicine 2. Phytogenic 3. Livestock

ISBN: 978-622-94331-4-0

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## **PREFACE**

Due to the increasing population and the increase in people's food expectations, the animal husbandry industry has grown significantly in recent years. In the animal husbandry industry, the use of antibiotics and chemical drugs is very useful.

Long-term use of antibiotics causes different strains of pathogenic agents to become more resistant and accumulate antibiotics in animal tissues. The increase of congenital abnormalities, the occurrence of chronic diseases, the ineffectiveness of antibiotic drugs, microbial resistance, and dozens of other complications are the health problems of the indiscriminate use of these compounds. Therefore, to compensate for or minimize these damages, there is a strong need for appropriate alternatives to antibiotics. One of these substances that can have many effects is medicinal plants. Medicinal plants are important alternatives to growth-promoting antibiotics due to their effective substances.

Medicinal plants have a very wide range and more research is needed to identify the best effective substance in livestock. Therefore, some of them have been examined in this book.

The contents of this book cover key areas and relevant information necessary for animal science and mainly focus on practical-oriented concepts for using new ingredients. This book contains various materials suitable for students, researchers, nutritionists, scientists, veterinarians, and academicians in the field of animal science.

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CINNAMON



BELLADONNA



GINGER



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DATURA



CLOVE



YARROW



WHITE WILLOW



ARNICA



ST. JOHN'S WORT



WILD YAM



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