

### About the Authors



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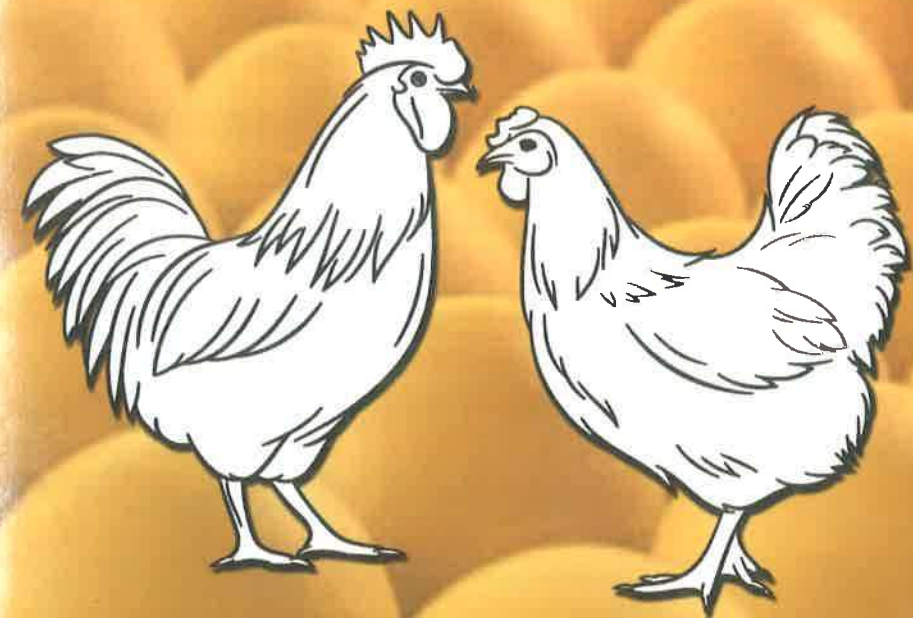
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SCIENTIFIC POULTRY PRACTICES

Dr. Mukund Kadam | Dr. Rokade Jaydip Jaywant | Dr. Gautham Kolluri

# Scientific Poultry Practices

Dr. Mukund Kadam  
Dr. Rokade Jaydip Jaywant  
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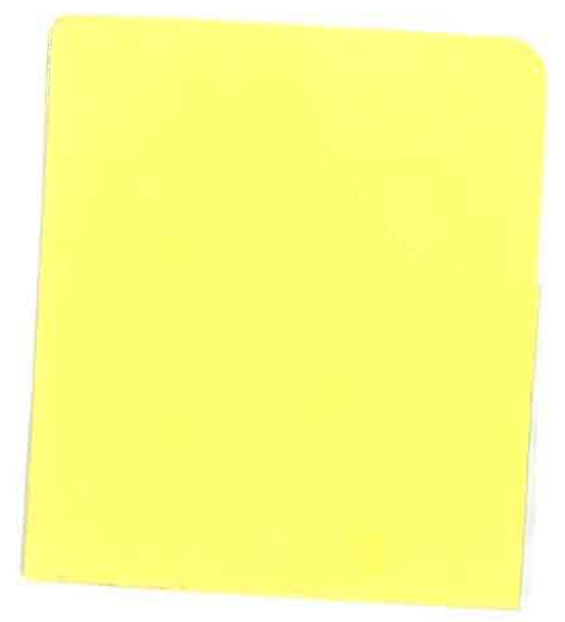


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*To speak gratitude is courteous and pleasant, to enact gratitude is generous and noble but to live gratitude is to touch heaven*

**- Johannes A Gaertner**

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Finally, we thank almighty the one and only hidden power that always listen to our pleas and make us to stand today with all good health and wealth. We expect that this publication will serve as practical guide providing valuable poultry science information to students, teachers and budding entrepreneurs. In the first attempt there may be few lacunas in compilation of this book, therefore any suggestion for further improvement is most welcome.

"Sometimes when you sacrifice something precious, you're not really losing it. You're just passing it on to someone else"

With this words finally, we express our gratitude towardspoultry birds and own this book to them.



## About the Book

This book is specially written to help budding poultry entrepreneurs, veterinary graduates and post graduate students as well for those students preparing Agricultural Service Board examinations and state level public service examinations. As per Veterinary Council of India-2016, the Poultry science syllabus unit number 6 and 7 is covered under Livestock production Management (LPM) course Content. In most of the universities the Livestock Production Management and core poultry science faculty is teaching the Poultry syllabus which is covered in almost 34 lectures. The **Scientific Poultry Practices** book is designed in such way that faculty has to teach each chapter of this book as one lecture and at the end of the class the students will refer the book as reference text book. Moreover, the due consideration has been taken for budding poultry entrepreneurs to cover the all the practical aspects of native birds, broiler, layer, duck, turkey, quail guinea fowl management, nutrition, disease, hatchery, contract farming and waste management considering the present poultry industry facts and figures. We are sure that this book will help them to grow as successful entrepreneurs too. We wish good time for our readers and we are happy to receive their comments to improve our second edition of the book.



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# Indian Poultry Industry and Statistics

# 1

The term 'Poultry' refers to all those species of birds which are reared for economic benefit and they should be able to reproduce freely under captivity. The study of principles and practices involving production, processing and marketing of poultry and its products is called Poultry Science. Poultry includes chicken, turkey, duck, geese, quail, guinea fowls, pet birds etc. The study involves other than chicken species is called as diversified poultry production.

Chicken are the most numerous and popular among the all domesticated poultry species and account more than 95% among poultry. Similarly like chicken among the many sub-sectors of agriculture, livestock sector is gaining momentum in India and within the livestock sector, poultry occupies a premier position. Indian poultry industry is growing at 8-10% per annum while the production of agricultural crops has been growing at a rate of 1.5 to 2 % per annum. Almost 11 lakh crore is contributed by Animal Husbandry Sector per year out of which