

DISEASES OF POULTRY

Diseases of Poultry is the most comprehensive reference for all aspects of poultry health and diseases, including pathogenesis, diagnostics, epidemiology, and control methods. All classes of poultry are susceptible to mites, some of which are blood-suckers, while others burrow into the skin or live on or in the feathers. Others occur in the air passages and in the lungs, liver and other internal organs. Poultry mites cause retarded growth, reduced egg production, lowered vitality, damaged plumage and even death. Much of the injury, consisting of constant irritation and loss of blood, is not apparent without careful examination. Of primary concern to the poultryman is the Northern Fowl Mite (*Ornithonyssus sylviarum*) which is a frequent and serious pest of chickens. Sincere efforts have been made to insert all pertinent pathological changes in different poultry diseases with the object of making this book of high value to the students at both undergraduate and postgraduate levels in the veterinary colleges.

Contents: Introduction; Types of Poultry Diseases; Respiratory Diseases of Poultry; Viral Diseases in Poultry; Poultry Rearing Systems; Poultry Production and Poultry Preservation; The H5N1 Avian Influenza Virus; Chicken Meat Markets and Product Movements; Poultry Meat Industry.

Dr. Krishan Pal completed his M.Sc. (Industrial Biotechnology) with 1st division from Chaudhary Charan Singh University, Meerut (Uttar Pradesh), and was awarded Ph.D. by the same university. He has a rich experience of teaching and has worked on several positions: teaching in IMS Engineering College, Ghaziabad; teaching in Dr. K.N. Modi Institute of Pharmaceutical Education and Research, Modinagar. At present he is Assistant Professor at Om Bio-Science and Pharma College, Roorkee (Uttarakhand).

Having specialized in diverse fields, such as, Biochemistry, Immunology, and Microbiology etc., he has worked on several projects vital for large scale production at Central Research Institute (CRI) Kasauli, (Himachal Pradesh). He is a keen research scholar and has participated in many national seminars and presented papers which were highly acclaimed.



Oxford Book Company
Publishers • Distributors • Exporters

Regd. Off. "Bony Residency" Gate No.2,
Opp. Tilak Public School, Vishveshri Nagar,
Gopalpura Road, Jaipur-302018 Rajasthan (India)
Ph: 0141-2761280, Telefax: 2761381
Email - oxfordbook@sify.com

Delhi Off. 102, 1st Floor, Saryam House,
4327/3, Ansari Road, Darya Ganj,
New Delhi - 110002 (India)
Ph: 011-45652440
Email - oxfordbookdelhi@gmail.com
website - www.oxfordbookcompany.com

ISBN 978-93-5030-210-4



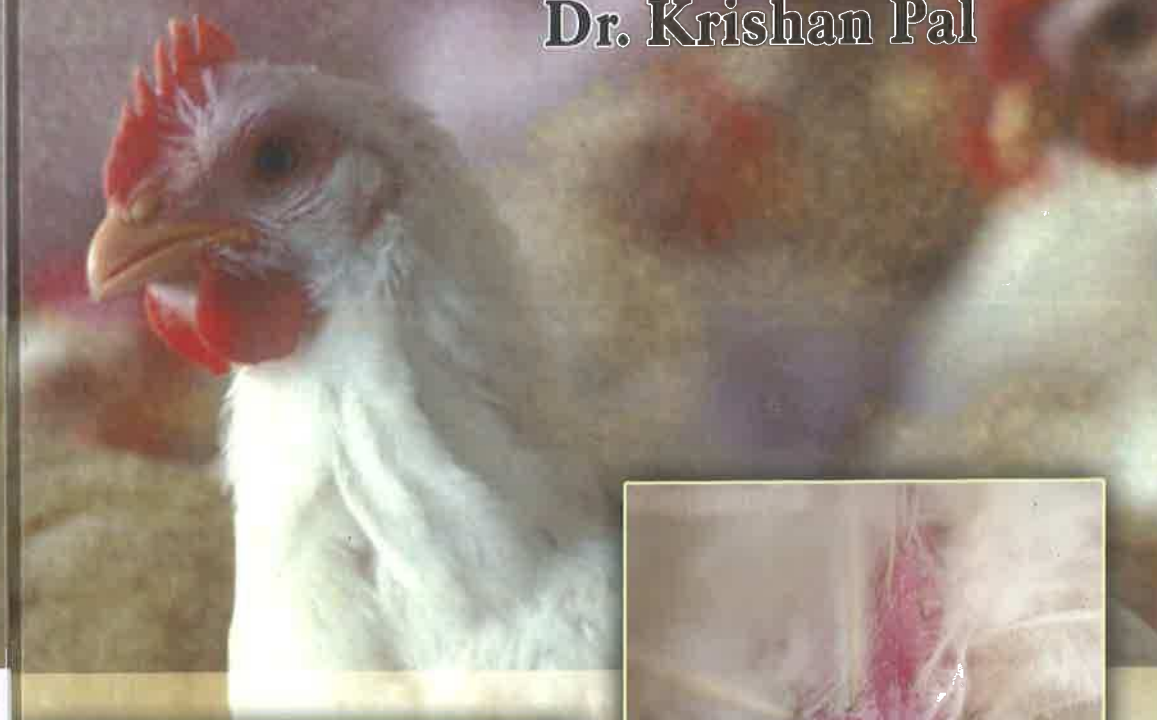
636.508 96 PAL/D
CASNTRK



DISEASES OF POULTRY
Dr. Krishan Pal

DISEASES OF POULTRY

Dr. Krishan Pal



DISEASES OF POULTRY

Dr. Krishan Pal

Oxford Book Company
Jaipur ■ New Delhi



Oxford Book Company

Regd. Off. "Bony Residency", Gate No. 2
Opp. Tilak Public School, Vishweswariya Nagar,
Gopalpura Road, Jaipur - 302018, India
Ph: 0141 - 2761280, Telefax: 2761381
email - oxfordbook@sify.com
website - oxfordbookscompany.com

Delhi Office: 102, 1st Floor, Satyam House,
4327/3, Ansari Road, Darya Ganj,
New Delhi - 110002, India
Ph: 011-45652440



First published in India, 2014

© All rights reserved

ISBN : 978-93-5030-210-1

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, without the prior written permission of the copyright owner.

Typeset by Shivangi Computers, Jaipur

Printed and bound in India by Thomson Press Ltd.,
New Delhi

Contents

<i>Preface</i>	vii
1. Introduction	1
2. Types of Poultry Diseases	21
3. Respiratory Diseases of Poultry	47
4. Viral Diseases in Poultry	72
5. Poultry Rearing Systems	104
6. Poultry Production and Poultry Preservation	114
7. The H5N1 Avian Influenza Virus	140
8. Chicken Meat Markets and Product Movements	192
9. Poultry Meat Industry	221
<i>Index</i>	279