Immunoprophylaxis of Infectious Poultry Diseases

The present book contains concise information on major disease management through applied poultry vaccination and also practical knowledge in the field. The book is immensely helpful in understanding the formulation of vaccination schedules for broilers, layers and breeders. The present book not only covers the preventive aspects of diseases but also contains the detailed information on theoretical and applied practical aspects of poultry immunology and vaccination. Language of the book is simple, presentation is lucid and unambiguous for easy understanding. This book will definitely play a critical role in imparting knowledge in poultry egg and poultry meat industry in terms of disease free maximum/optimum production of good quality eggs and meat from poultry for human consumption. It is hoped that the book is quite useful for students, teachers and researchers of Poultry and Veterinary Science. This book is also a valuable reference source for poultry disease investigator, practicing veterinarian and poultry inspector.



Dr Raghvendra Pratap Singh graduated (B.V.Sc & A.H, Hons) from GBPUA & T, Pantnagar and Postgraduated from I.V.R.I, Izatnagar in the discipline of Veterinary Public Health with Veterinary Immunology. He has published two research papers in national Journal of repute. Dr Singh is currently working as Touring Veterinary Officer at Indara, Mau, Govt. Bihar.

Apart from academics, excelled in sports and games during stay at GBPUA & T, Pantnagar as captain, University volleyball team and Vice-Captain, University football



Dr Vibha Yadav obtained B.V.Sc. & A.H. degree and M.V.Sc. in Veterinary Microbiology with Chancellor Gold Medal from College of Veterinary Science, N.D. University of Agriculture and Technology, Kumargani, Faizabad. Currently she is working as an Assistant Professor in the Department of Veterinary Microbiology, N.D. University of Agriculture and

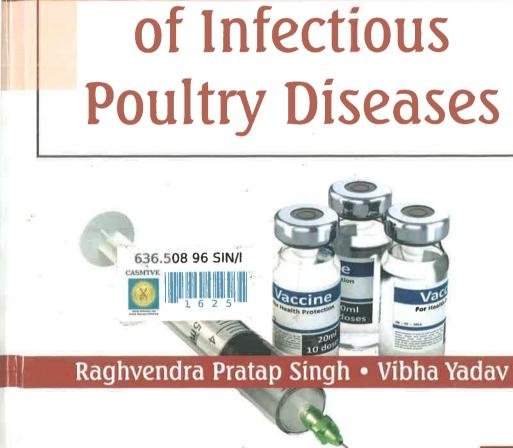
Technology, Kumarganj, Faizabad. Dr Vibha also worked as Veterinary Officer in Animal Husbandry Department, State Government of Uttar Pradesh at State Hospital and Canine Rabies Control Unit and also worked as Nodal Officer at Divisional Animal Laboratory, Faizabad. Her area of research interest is Veterinary Bacteriology. She has been recipient of many awards and honours viz Excellence in Teaching and Young Scientist awards. She has published eighteen research papers/review articles/short communications/popular articles/hindi articles/pumplets in journals of repute.











Immunoprophylaxis



Singh •

Yadav

The Authors



Dr Raghvendra Pratap Singh graduated (B.V.Sc & A.H., Hons) from GBPUA & T, Pantnagar and Postgraduated from I.V.R.I, Izatnagar in the discipline of Veterinary Public Health with Veterinary Immunology. He has published two research papers in national Journal of repute. Dr Singh is currently working as Touring Veterinary Officer at Indara, Mau, Govt. Bihar. Apart from academics, excelled in sports and games during stay at GBPUA & T, Pantnagar as captain, University volleyball team and Vice-Captain, University football team.



Dr Vibha Yadav obtained B.V.Sc. & A.H. degree and M.V.Sc. in Veterinary Microbiology with Chancellor Gold Medal from College of Veterinary Science, N.D. University of Agriculture and Technology, Kumarganj, Faizabad. Currently she is working as an Assistant Professor in the Department of Veterinary Microbiology, N.D. University of Agriculture and Technology, Kumarganj, Faizabad. Dr Vibha also worked as Veterinary Officer in Animal Husbandry Department, State Government of Uttar Pradesh at State Hospital and Canine Rabies Control Unit and also worked as Nodal Officer at Divisional Animal Laboratory, Faizabad. Her

area of research interest is Veterinary Bacteriology. She has been recipient of many awards and honours viz Excellence in Teaching and Young Scientist awards. She has published eighteen research papers/review articles/short communications/popular articles/hindi articles/pumplets in journals of repute.

Immunoprophylaxis of Infectious Poultry Diseases

Dr Raghvendra Pratap Singh

B.V.Sc. and A.H. (Hons.), G.B.P.U.A. and T., Pantnagar, (U.K.) M.V.Sc. (Veterinary Public Health and Veterinary Immunology), I.V.R.I., Izatnagar, (U.P.) J.R.F., N.E.T., M.I.A.V.P.H.S. Veterinary Officer, Department of Animal Husbandry, Government of Uttar Pradesh at Indara, Mau

Dr (Smt.) Vibha Yadav

B.V.Sc. and A.H. (Hons.), M.V.Sc. (Gold Medalist) Asstt. Professor, Department of Veterinary Microbiology College of Veterinary Sciences and Animal Husbandry N.D.U.A. and T., Kumarganj, Faizabad, (U.P.)

2018

Daya Publishing House®

A Division of

Astral International Pvt. Ltd. New Delhi – 110 002 production and management, poultry pathology, poultry immunology and poultry preventive medicine but also for poultry professionals.

This book will definitely play and serve a critical role in imparting knowledge in poultry egg and poultry meat industry in terms of disease free maximum/optimum production of good quality eggs and meat from poultry for human consumption. Although the manuscript has been typed very carefully, there may be some typographical errors. So, your suggestions and critics about this first edition of the book are thankfully invited to further improve the contents and materials in this presented edition to the E-mail: avadhvanshi.raghvendra@gmail.com.

My sincere thanks to extend help from my beloved family members, Smt. Sangeeta Rani Singh (wife), Meenakshi Singh (daughter) and Love Pratap Singh (son) during preparation of this book. Thanks to Dr (Smt.) Vibha Yadav for co-editing of this book. Extended thanks to Dr. Abhishek Vishwas, Senior Scientist, I.C.A.R. – C.A.R.I., Izatnagar for his help and valuable suggestions for improving the text.

We hope, this present edition of the book will definitely add in scientific knowledge and skill in poultry vaccinology not only to be applied in the field for improving the production and management associated with infectious poultry diseases to produce optimum and safe poultry products like eggs and meat intended for human consumption but also help the students, teachers and poultry professionals to understand the basics of applied poultry vaccinology in simple way.

Dr. Raghvendra Pratap Singh Dr. (Smt.) Vibha Yadav

Contents

	Acknowledgements	vii
	Preface	ix
1.	Reovirus Infections	1
2.	Newcastle Disease/Ranikhet Disease	11
3.	Marek's Disease	23
4.	Infectious Bursal Disease	35
5.	Infectious Bronchitis	51
6.	Infectious Laryngotracheitis	63
7.	Fowl Pox Disease	73
8.	Egg Drop Syndrome'76	81
9.	Chicken Infectious Anemia	85
10.	Avian Mycoplasmosis	93
	Index	110
		110