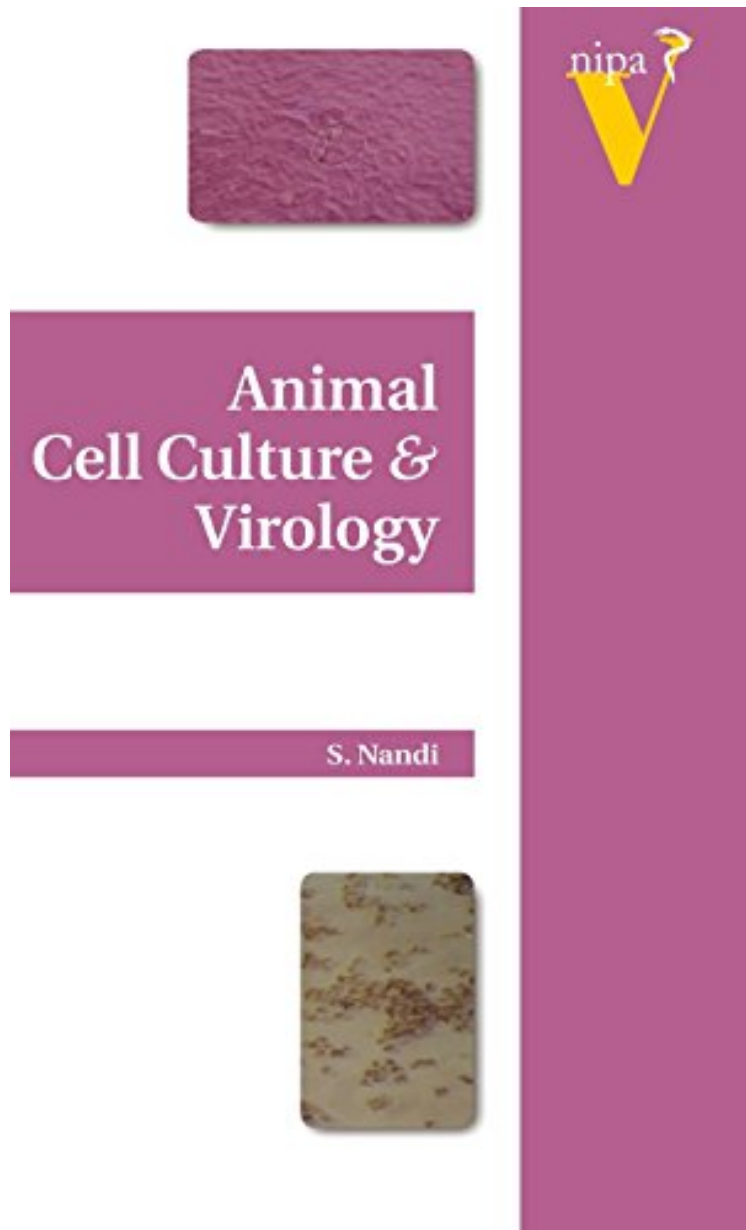


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## Animal Cell Culture and Virology

*S. Nandi*

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The book is written in a very simple and lucid manner so that everybody can read and understand it very easily. The book is useful for scientists, teachers, students, officers, diagnosticians and laboratory technicians as cell culture has become an essential and indispensable tool in many branches of life sciences and application of cell culture is getting increased exponentially day by day in various fields of biological and medical research arena. This book will provide detailed information on all the aspects of the cell culture starting from establishment of a cell culture laboratory, primary culture, secondary culture, media filtration, collection, preservation and dispatch of samples for diagnosis of viral diseases, cell line authentication and characterization, contamination and curing, cryopreservation of cells and revival of cells besides description on ELISA, SNT, virus titration etc. In my opinion, this book will be extremely useful to the persons who are directly and indirectly involved in cell culture work for various biological experiments. Finally, students and examinees can enrich their knowledge on cell culture from the book and can face any challenge easily and confidently. s on the latest developments on biotechnological approaches for fish disease diagnostic, infection and immunity of brood carps, cryoconservation of fishes, probiotics and nanotechnology in aquaculture are of paramount interest, in addition to information on prawn aquaculture, ornamental fish farming and trade. Information on various software and their application for exploratory data analysis and data mining leading to knowledge discovery and visualization is the main attraction of the book. Another important feature of the book is that one can find appropriate as well as illustrated examples exclusively with fisheries data. The statistics section includes biometrical and qualitative techniques in genetics and selective breeding of fish, besides fundamental statistical test, design of experiments and sampling methods for planning of experiments and survey in fisheries and aquaculture research. The book also includes econometric approach for technical efficiency estimation and input-output analysis, project evaluation, and impact assessment, linear programming, market intelligence, fisheries legislation, policy and IPR issues all of which are new in the field of fisheries and aquaculture.