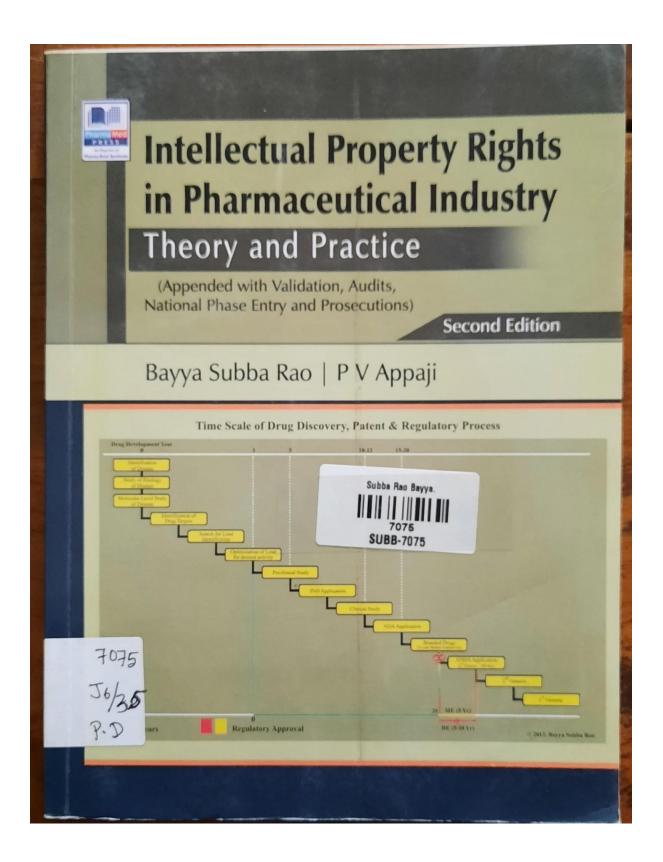


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Faculty Book/Chapters publications – 2018

S. No.	Name of the teacher	Title of the book/chapters published	Name of the conference
1	Dr. Bayya Subba Rao	Intellectual Property Rights in Pharmaceutical Industry:Theory and Practice	-
2	Dr. Bayya Subba Rao	Pharmaceutical Research Methodology and Biostatistics:	-



Intellectual Property Rights in Pharmaceutical Industry: Theory and Practice

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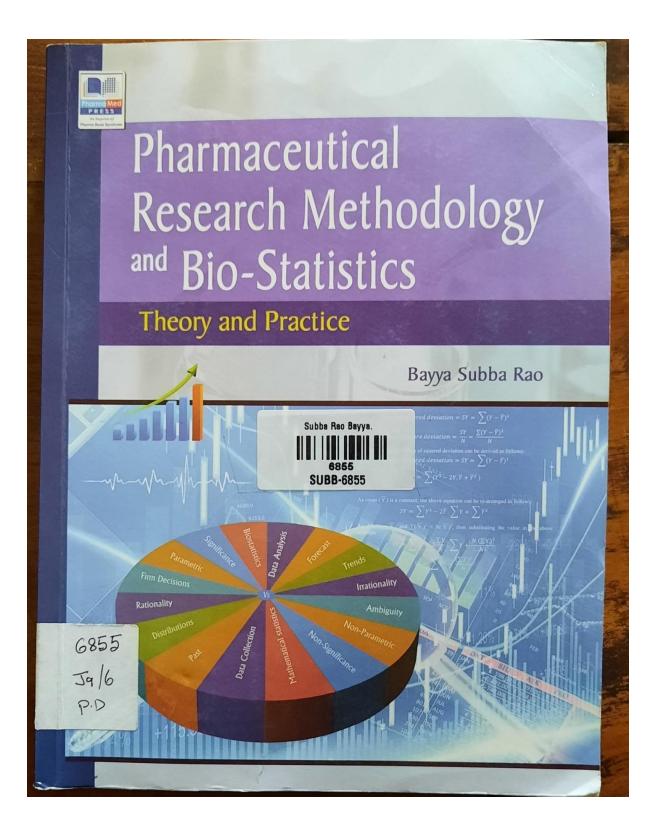
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Pharmaceutical Research Methodology and Bio-Statistics

"Pharmaceutical Research Methodology and Bio-Statistics: Theory and Practice" is aimed in understanding the fundamental concepts of developing a research bent of mind by careful planning, execution, collection of data and analyzing for statistical significance. The book is aimed at B. Pharm, Pharm D, Pharm D (PB), M. Pharm, allied course students, researchers at the academic and industry levels, Ph. D scholars, policy makers, regulators etc. and analyzing for statistical significance. The book is almed at B. Piharm, Pharm D, Pharm D (PB), M. Pharm, alli course students, researchers at the academic and industry levels, Ph. D scholars, policy makers, regulators etc. **Key Features:** • Exclusively relating to pharmaceuticals • Conventional English • Distinguishing statistics and blo-statistics • How to identify a problem, plan for research and execute the idea • Chemical abstract literature search • Anatomy of a research paper • Compare and contrast of research proposal, research report, research paper, patent document, synopsis • Concept of meta-analysis to resolve research ambiguities • Classification of clinical study designs • Approaches of developing a research methodology • Abstract scaling concepts and techniques for developing questionnaire • Data collection, cleansing, presenting • How to overcome missing data • Parametric distributions - binomial, poisson, normal, chi-square, student 't', F distributions • Role of Type I and Type II errors, Power, sample size, confidence level, confidence interval, confidence limits • How to judge whether data upon analysis is statistical significant or not • Developing hypothesis as null, alternate and how to draw conclusion after conducting suitable statistical test • Non-parametric ANOVAs (1-way, 2-way, cross over, 3-way) • Step wise Parametric ANOVAs (1-way, 2-way, cross over, 3-way) • Statistical softwares like SPSS, SAS, Minitab, Epi-info with screenshots • Applications of linear regression and correlation coef ficient relating to pharmaceuticals • Fundamental concepts of book keeping, accountancy, emphasizing on making entries in journal and ledger • Basic terminology of epidemiology • Inventory control, role of computers, parenteral Admixture • Developing a management report • Question bank • About the Author

Bayya Subba Rao completed both B. Pharm and M. Pharm from College of Pharmaceutical Sciences, Manipal. He completed P.G.Diploma in Patent Laws from NALSAR University of Law, Hyderabad. He was awarded with Doctorate in Pharmaceutical Sciences degree from Andhra University, Visakhapatnam. During his 21 years of career he was involved in basic research, process research, teaching, government service at various levels as scientist-II, research chemist, lecturer, associate professor, I/C Principal, patent analyst. He has to his credit over 35 research, review articles published in National journals and has five copyrights.

During his career he was involved in synthesis of new chemical entities, synthesis of drug metabolites and chemical process developments. He developed a process that was later patent applied and abandoned. He was involved in teaching Bio-Statistics and research methodology relating to pharmaceuticals to students at the B.Pharm, Pharm.D and M.Pharm levels.

The other academic related books authored were Practical Pharmaceutical In-organic Chemistry, Intellectual Property Rights in Pharmaceutical Industry: Theory and Practice.



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