



## Electromagnetic Fields & Waves

**Author :** R.L. Yadava

**ISBN 13 :** 978-93-86173-54-6

**ISBN 10 :** 93-86173-54-9

**E-ISBN 13 :** 978-93-86173-54-6

**Edition :** First

**Pages :** 416

**Type of book :** Paperback

**Year :** 2021

**Language :** English

**Publisher :** Khanna Publishing House

**Regular Price :** Rs 425.00

**Sale Price :** Rs 340.00

**Categories :** [All books](#), [Electrical, Electronics & Communication Engineering](#), [Electrical, Electronics & Communication Engineering](#), [UNIVERSITY RECOMMENDED](#)

**Condition Type :** New

**Country Origin :** India

---

## Product Description

---

This book is designed to serve as a textbook for UG and PG students of Electronics and Communication, Electronics and Electrical, Electronics & Instrumentation and Telecommunication Engineering branches. It provides a thorough understanding of the electromagnetic theory and their properties, application and also the modern trends in Electromagnetism in detail. Book also describes transmission lines, wave guides, as well as the effects of EMI/EMC, including impedance matching and antennas. Written in an easy-to-understand manner, the book includes several illustrative examples, objective-type questions and exercise Questions to reinforce the theoretical understanding of subject. Appendices provide information and expressions as well as design data for references.

---

## Table of Contents

---

1: Introduction 2: Vector Analysis and Coordinate System 3: Electrostatic Fields 4: Magnetic Static Fields 5: Maxwell's Equations and Uniform Plane Wave 6: Electromagnetic Waves and Flow of Power 7: Transmission Lines 8: Broadband Impedance Matching 9: Waveguides 10: Principle of Radiation and Antennas 11: Electromagnetic Interference and Compactibility 12: Solved Examples 13: Objective Question Bank 14: Objective Questions Test Series 15: References 16: Appendix Index

---

## Author

---

### R.L. Yadava

Dr. R.L. YADAVA, is Professor in the department of ECE, Galgotias College of Engg. and Technology, Gr. Noida, UP During his doctoral work he was associated with R&D project funded by DST, Govt. of India. After receiving Ph.D. degree, he joined VIT University, Vellore T.N, in 2001 and served as Head of Microwave Division, Coordinator R&D and Coordinator (UG) of Electrical Sciences. During his service at VIT, he was deputed as visiting faculty to KIGALI UNIVERSITY, KIGALI Center Africa. He has been coordinator of M.Tech programme of U.P. Technical University, 2007-08. He has organized several guest lectures, short-term training programmes, FDPs and conferences in the field of microwaves and Antennas. His research areas includes: Waveguides, Microwaves and Microstrip Antennas. He has guided several M.Tech dissertations and 05 Ph.Ds. He has 120 publication in International/ National Journals, Conferences and Symposiums. He is Member of ISTE, SEMCE (I) and IEEE. </p></div>

---

