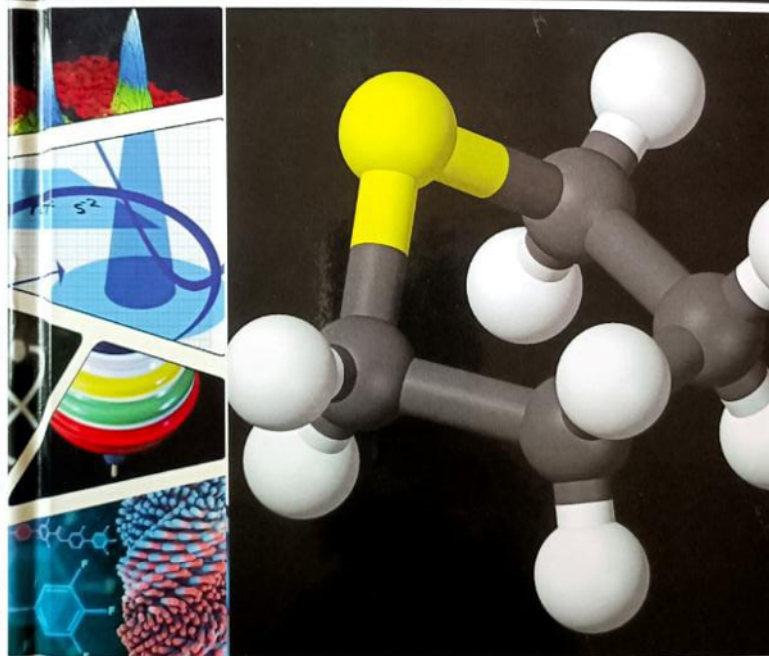


# ELEMENTS OF MATERIALS SCIENCE

Dr. Rajendra D. Kale  
Dr. Pradip V. Patil



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## ELEMENTS OF MATERIALS SCIENCE

This book has been planned as a textbook for students of engineering and science. It also encounters the syllabi necessities of the Indian Engineering Services and Indian Administrative Service Examinations. Students' looking for the entrance examination (GATE) and postgraduate courses will find that this book covers their syllabus. Readers looking for the AMIE examination will find it easy to use this book for self-study.

**Contents:** Introduction to Materials Science • Properties of Materials and Defects in Solids • Phase Diagram • Metallurgical Thermodynamics • Alloy Systems, Phase Diagrams and Phase Transformations



**Dr. Rajendra D. Kale** is born in India in 1968. He completed his undergraduate in Electronics and postgraduate in Applied Physics. He completed his Doctoral research degree in Materials Science and Engineering from Indian Institute of Technology, Mumbai in 2000. He was postdoc fellow in Mie University Japan, TIFR Mumbai and POSTECH, South Korea. He published many research papers in international and national journals and conferences. He is a life member of IAPT. He is working as Associate Professor in the Department of Physics, T. C. College, Baramati (Autonomous), Dist Pune in Maharashtra (India) and has more than 30 years of experience in teaching and research.



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ISBN: 9789392193002



₹ 1895/-



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