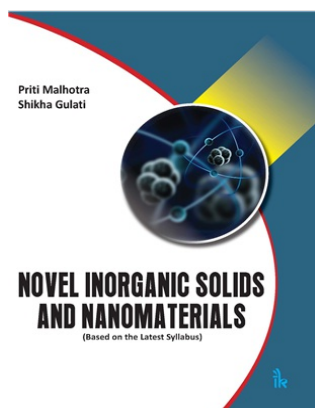


Novel Inorganic Solids and Nanomaterials, 1/e

Priti Malhotra & Shikha Gulati



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About the Book

This book focuses on Material Sciences and encompasses inorganic solids and nanomaterials. It covers the new syllabi prescribed by UGC & University of Delhi under the New Education Policy (NEP) for B.Sc. (Honours) and B.Sc. (Programme) courses.

This book is organized in fifteen chapters that provide the theoretical aspects of each topic along with their practical facets. The topics include introduction to inorganic solids, synthesis and modification methodologies of inorganic solids, inorganic solids of technological importance, nanomaterials, nanobiomaterials, characterization techniques, molecular materials, composite materials, ion exchange resins and speciality chemicals/polymers.

The last chapter includes *laboratory experiments*, to enhance perception of the topic. Some important questions related to the experiments for *viva voce* are provided at the end of each experiment. In every experiment *teachers' notes*, not given in any book, are given at the end which will be helpful for teachers. Hence, this book not only provides education to the students but also serves as a reference book for the teachers and industrial chemists. *The question bank* is also compiled at the end of each chapter.

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About the Author

Priti Malhotra :- (M.Sc., M.Phil., PhD.), professor, has been teaching chemistry to undergraduates at the Daulat Ram College, the University of Delhi for the past 26 years. She has authored many textbooks in chemistry which are widely referred to for various courses in different universities including the CBCS syllabi of Delhi University. Dr. Malhotra has also completed many minor and major research projects and guided many students for their PhDs in chemistry. She has authored more than twenty research papers published in international and national peer-reviewed and UGC-listed journals of high impact factors and high citation index.

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