

Preface

Materials and manufacturing deal with the application of knowledge relating to composition, structure and processing of materials to their properties and applications, and play a very important role in industry. They make modern life possible and constitute the basis of the welfare of mankind.

This special issue of the *Advanced Materials Research* contains a selection of high quality research papers from the 14th International Conference on Advances in Materials and Processing Technologies (AMPT) held in Istanbul, Turkey, on July 13-16, 2011. Collection of papers is mainly related to materials and processing technologies. The purpose of this book is to provide a basis for the identification of the need for research and development on advanced engineering materials and manufacturing technologies.

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