

Preface

The special issue is dedicated to an analysis of the recent achievements in the design and applications of protective coatings and technologies of working surface treatment.

Special materials and technologies for creating various protective coatings for surfaces of machines and equipment, surface treatment technologies for increasing their durability, etc. are subjects of research presented in this collection.

The technological features of coatings deposition, surface treatment procedures, microstructure, tribological and mechanical properties and using features of various types of coatings, etc. are analysed here. In this edition, the reader will also find some research results related to radiation protection and materials applications in conditions of nuclear plants.

The presented special publication will be helpful to engineers whose activity is related to the protection and provision of engineering durability of machine parts and equipment.