

# Preface

This special issue is dedicated to recent achievements in hydrometallurgy and materials processing, research and design in machinery, engineering management, construction technologies and natural resource management.

The first two chapters analyse the features of hydrometallurgical ferronickel leaching methods and some additive manufacturing technologies.

The third chapter contains articles that present to readers the latest engineering research in the design of building structures and identification of the facts that affect the level of service of pedestrians at intersections in the modern city.

The next two chapters include a series of engineering research results in technological machine and equipment design and mechatronics and automation for modern production.

An approach to reduce production lead time in the valve manufacturing industry and the implementation of the 5s concept to improve productivity are subjects of investigation in the sixth chapter.

The last part of this issue is dedicated to the problem of effective management of various natural resources.

The presented special edition will be helpful to a wide range of specialists in metallurgy, additive manufacturing, mechanical engineering, construction and environmental engineering.