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# Geomatics, Landmanagement and Landscape

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## FOREWORD

Dear Readers,

I have pleasure to present you with the latest issue of our scientific journal *Geomatics, Landmanagement and Landscape*, published by our University of Agriculture, dedicated to a broad spectrum of topics. With this issue we would like to introduce you to a collection of papers addressing diverse areas of knowledge and offering valuable scientific insights. Each article makes a unique contribution to scientific knowledge with important implications for practice and the wider socio-economic context.

The first paper attempts to apply advanced management methods to optimise costs in the field of modular construction. The authors analyse various management strategies, such as Lean Management or Value Engineering, in relation to modular construction processes. By providing a case study and applying innovative cost optimisation techniques, this paper makes a significant contribution to the development of economic efficiency in the construction industry.

In the second article, the authors provide an in-depth analysis of the legal aspects of easements in the Polish legal system. By comparing different types of easements and their legal regulation, the article identifies key differences and their influence on legal practice and business. It is an important contribution to the discussion on the legal regulation of property ownership and use in Poland.

In the third paper, the authors present an innovative approach to documenting and inventorying caves using point cloud from terrain laser scanning (TLS) technology. By using state-of-the-art measurement techniques, this paper gives a better understanding of the structure and morphology of caves, which is crucial for their protection and preservation as a unique natural environment.

The authors of the fourth paper carried out a study on the levels of metallic contaminants in the surface sediments of an area of north-eastern Algeria by sampling the sediments and determining the concentrations of heavy metals.

In the fifth article, the authors investigate the changes in the approach to spatial management in Poland over the years. Through a retrospective analysis of public policy and legislative developments, this article shows the evolution of spatial planning and its impact on the design of urban and rural environments. It is an important contribution to the discussion on the directions of urbanisation and environmental protection in Poland.

In the sixth article, the authors analyse the quality of blasting rock fragmentation at the Kef Lahmer quarry in Algeria. By applying advanced digital image processing techniques, this article proposes methods for improving the quality of quarrying processes, which can contribute to their efficiency and safety.

The seventh paper concerns the assessment of groundwater mineralisation in the dry steppe region of Algeria. The authors analyse the chemical composition of the waters and their suitability for sustainable use in agriculture, industry or the everyday life of the local community. This article has vital implications for the sustainable management of water resources in the steppe region of Algeria.

In the last paper authors focused on exploring the economic significance and diverse hues of quartz in the fluvial terraces of the Oued Adaila in Algeria. This study advances the understanding of the mineralogical constitution, sedimentary evolution, and the environmental dynamics shaping the Quaternary deposits in the Tebessa region.

We hope that the papers we have presented will prove inspiring and become a starting point for further research and scientific discussion. We wish you an enjoyable read and fruitful reflections on the contents herein.

*Dr Eng. Sylwester Tabor, Prof. URK  
Rector of the University of Agriculture in Krakow*