

DISC2025

5th International Student
Conference

ABSTRACT BOOK



DEPARTMENT OF
ENVIRONMENTAL
ENGINEERING AND
OCCUPATIONAL
SAFETY AND HEALTH



5th DIFENEW INTERNATIONAL STUDENT CONFERENCE DISC2025



**Faculty of Technical Sciences
University of Novi Sad**

**Hybrid event
11th & 12th December, 2025
Novi Sad, Serbia**

Organizers:

Department of Environmental Engineering and Occupational Safety and Health
Faculty of Technical Sciences, University of Novi Sad, Serbia

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Editors

Maja Petrović
Mladenka Novaković Bežanović
Ivana Mihajlović
Danijela Ćirić Lalić
Dunja Istrat

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PREFACE

This Abstract Book presents the collected contributions of the International Student Conference DISC2025, a hybrid academic event held on 11–12 December 2025 at the Science Technology Park Novi Sad. DISC2025 continues the conference's mission of fostering interdisciplinary dialogue and encouraging the active involvement of students, early-career researchers, and professionals in addressing contemporary sustainability challenges.

Under the central theme *Sustainability in Action*, this year's conference emphasizes the transition from conceptual frameworks to practical implementation. The abstracts included in this volume reflect a broad spectrum of research and project-based contributions that connect academic knowledge with real-world applications across environmental protection, occupational safety and health, sustainable project management, strategic human resource and business management, civil engineering and infrastructure, and Education 3.0, with a particular focus on digital and inclusive learning.

DISC2025 provides a collaborative platform where participants from academia, industry, and the public sector engage through paper presentations, interactive panels, and applied project exhibitions. Particular attention is devoted to emerging topics such as the Green Agenda, ESG principles, circular economy models, and digital innovation in engineering and management practices, underscoring their importance for sustainable development at local, regional, and global levels. In addition to the main conference sessions, DISC2025 features a dedicated *Project Promotion* session within Jean Monnet Square, highlighting project-based initiatives that strengthen the link between academic research, European policy frameworks, and practical implementation.

We extend our sincere appreciation to all authors whose work contributes to the quality and diversity of this publication, as well as to the members of the Scientific, Program, and Organizing Committees for their dedication and professionalism. Their collective efforts have been instrumental in shaping a conference that promotes knowledge exchange, critical thinking, and interdisciplinary cooperation.

It is our hope that the abstracts presented in this book will serve not only as a record of DISC2025, but also as a source of inspiration for further research, collaboration, and innovation in the development of a more sustainable future. Looking ahead, the DISC conference series will continue with DISC2026, further strengthening its role as an international platform for student engagement, interdisciplinary research, and applied sustainability initiatives.

With kind regards,

Dr. Maja Petrović

President of the Organizing Committee and Editor



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STRENGTHENING WELLBEING THROUGH PSYCHOSOCIAL RISK CONTROL

Todorović M.¹, Perović M.¹, Zarić-Kovačević J.²

¹ Jaroslav Černi Water Institute, Jaroslava Černog 80, 11226 Belgrade, Serbia (e-mail: marija.todorovic@jcerni.rs)

² Mining Institute Ltd. Belgrade, Batajnički put 2, 11080 Belgrade-Zemun, Serbia

Abstract: Traditionally, field teams were focused almost exclusively on the technical quality of work, such as drilling performance, equipment set up, and meeting strict project specifications. The introduction of new regulations and the updating of existing ones have expanded their responsibilities to include a much stronger focus on occupational health and safety (OHS) and environmental protection. This change brings additional expectations for field staff, who are now required to systematically identify hazards, apply environmental protection measures on site, and understand how their actions influence both safety and environmental consequences and the project's overall progress. These additional responsibilities can create extra pressure, especially when teams are adjusting to new procedures. The work presented here examines how practical measures can help field staff adjust to these changes and reduce stress. Key elements include clear communication of responsibilities, short coordination meetings before field activities, and simple tools that help workers report concerns or uncertainties during the workday. The use of a short daily checklist, encompassing all safety and environmental requirements, will ensure that required demands are consistently met before any field work begins. Field observations showed that it is necessary to timely explain to workers clear guidance why new OHS and environmental practices are required, so they can adapt them quickly. Having clear visual instructions, better-organised equipment, and more predictable workflows also helped reduce stress. These results show that moving from a purely technical focus to a more balanced approach, where safety, environmental protection and work quality are all taken seriously, brings clear advantages. It supports workers' wellbeing, helps prevent incidents and gives field teams a clearer sense of support as they deal modern projects demands. This approach helps avoid potential concerns from stakeholders and the public, who focus more on site safety and environmental impacts than on technical details.

Keywords: *Psychosocial risks; Wellbeing; Workload management; Safety culture.*