EDITORIAL FOREWORD

It is with great pleasure that we present current Issue 2/2025 (Volume 63) of ***Systemy Logistyczne Wojsk* (SLW) / *Military Logistics Systems* (MLS)** —the first of two Jubilee Issues prepared to commemorate the journal's **fiftieth anniversary (1976–2026)**. This milestone belongs first and foremost to the people who have sustained the journal over five decades: successive editorial teams, members of the Scientific Council, reviewers, authors and the staff who support the publishing process.

Half a century of continuous publishing is both a milestone and a responsibility. It invites reflection on where we began, what has endured, and how military logistics research must continue to evolve in response to the security environment, technological change, and the demands of readiness, resilience, and interoperability.

A journal shaped by systems thinking—and by service to practice

Military Logistics Systems is a biannual scientific journal, published since 1976 by the Institute of Logistics, Faculty of Security, Logistics and Management, Military University of Technology (Warsaw, Poland). From the start, the journal has been directed to a broad and demanding community: research and teaching staff, military logistics cadres, logistics and transport enterprises, and students. It has also maintained a distinctive identity as a venue that brings together work spanning military and civil logistics, supporting the exchange of knowledge and methods across sectors that increasingly share infrastructure, supply networks, and risk landscapes. The journal's continuity also reflects its ability to adapt. The publishing heritage includes earlier volumes issued under the title "Systemy Zabezpieczenia Technicznego Wojsk", before continuing in its present form as *Systemy Logistyczne Wojsk*.

Looking back from the perspective of its fiftieth anniversary, the journal's trajectory mirrors the evolution of logistics itself. In its early years, it served primarily a university and defence-sector readership and focused on operational research and the material and technical support of the armed forces. Today, while remaining anchored in systems thinking, it engages with the contemporary agenda of digitalisation in logistics, supply chain resilience and security studies—and serves an increasingly international community of authors, reviewers and readers. The move from printed volumes to digital manuscript handling and Open Access has broadened reach without compromising rigour or practical relevance.

Editorial standards, ethics and accessibility

In an era where speed can compete with rigour, the Jubilee is an appropriate moment to underline what SLW safeguards as non-negotiable: scientific integrity, clarity, and relevance.

- Doubleblind peer review is the journal's standard model; reviewers and authors remain anonymous throughout the process, and each manuscript is reviewed by two independent reviewers not affiliated with the authors' unit, with additional reviewers used when needed.
- The journal's publishing ethics are prepared on the basis of COPE's Best Practice Guidelines and include a clear approach to plagiarism detection and counteracting scientific unreliability, including "ghostwriting" and "guest authorship".
- SLW provides open access to its content and publishes under a Creative Commons Attribution–NonCommercial–ShareAlike (CC BY-NC-SA) licence.
- Manuscripts are accepted in English, supporting a wider international dialogue and readership.

The journal is identified by ISSN 15085430 and eISSN 27197689.

Visibility and international reach

Today, SLW's reach is supported by its presence in major indexing, abstracting and discovery services. The journal is indexed in Scopus (coverage: 2019–2025; active) and listed in ERIH PLUS. It is also included in national Polish databases such as BazTech and BazEkon. In Poland, SLW appears on the ministerial journal list (MNiSW) with 70 points. The journal is evaluated in the ICI Journals Master List (Index Copernicus): ICV 2023 = 90.93. All articles are assigned DOIs registered via Crossref; metadata are also harvested by open discovery services such as OpenAlex.

Jubilee Issues: looking back to move forward

Anniversary publishing should not be retrospective alone. It should also clarify the journal's direction for the next decade:

- supporting work that connects research with implementation,
- promoting methodological transparency and replicability,
- and encouraging contributions that interpret logistics as a *system of systems*—technical, organisational, informational, human and institutional.

As part of this "next half-century" perspective, the Editorial Board has also articulated the ambition to strengthen international visibility further, including the goal of entering the Web of Science within the next one to two years.

Scope reflected in Volume 63

The journal's *Aim and Scope* spans logistics in the armed forces, logistics in crisis situations, logistics in the economy, and security studies. Volume 63 reflects this breadth particularly clearly. The twelve papers collectively address a set of interlocking questions that have become central to contemporary logistics and defence planning:

- How can critical transport and supply infrastructures remain functional under stress and conflict?
- How should organisations manage the benefits and risks of digitalisation—especially where disruption, cyber risk and information leakage affect mobility and readiness?
- Which managerial tools and economic indicators best support resilience and continuity in uncertain environments?
- How do engineering reliability and broader "human-environment" threats translate into logistics risk and capability planning?

In this issue: twelve contributions

I. Logistics under conflict, crisis and infrastructure disruption

1. Julia Giera, Dariusz Masłowski, Małgorzata Dendera-Gruszka — *Risk assessment of transport companies in Poland and Ukraine in the context of critical infrastructure reorganisation during military conflict*
   A comparative, method-driven discussion of how transport companies operating near the front edge of geopolitical disruption can identify and prioritise vulnerabilities in intermodal infrastructure, using a structured risk-assessment approach.
2. Tomasz Iwan — *Challenges and threats to military road transport in the context of the contemporary geopolitical situation*
   An analysis that links "classical" road safety concerns with emerging security threats—such as sabotage, hybrid interference and information exposure—offering a practical risk-mitigation perspective for military movements on civilian infrastructure.
3. Marcin Jurczak — *The potential for military use of public transport vehicles*
   A timely contribution examining the military relevance of public transport assets—especially for evacuation and crisis mobility—while considering the operational constraints and vulnerabilities associated with the shift towards zero- and low-emission fleets.
4. Olimpia Wiktoria Sobczyk — *Modelling Military Equipment Losses with Open-Source Visual Intelligence: Evidence from the War in Ukraine*
   A data-oriented report exploring how open-source visual intelligence can be used to model and forecast equipment losses—an approach that can

inform sustainment planning, force regeneration, and analytic support to operational decision-making.

5. Tomasz Landmann, Zenon Zamiar — *Transport in the Global Logistics Cluster 2020–2024 – selected good practices in humanitarian logistics*
   An overview of selected transport-related practices in humanitarian logistics frameworks, highlighting coordination and operational patterns that may be instructive wherever multi-actor logistics must function under pressure.

II. Digitalisation, data and operational efficiency

6. Vilayat Ismayilov, Natavan Ibragimova, Azad Babayev, Amal Hasanli, Anar Abbasov — *Innovative technologies in the logistics system: Digital solution implementation benefits and risks assessment*
   A structured discussion of the opportunities created by digital tools in logistics—and the risks they introduce—placing emphasis on implementation trade-offs and the need for risk aware adoption rather than "technology--first" enthusiasm.
7. Zaure Badanbekkyzy, Bakytgul Aidarbekova, Indira Assilbekova, Beibit Medetbekov, Shakhnoza Serik — *Relevance of using information technologies to address issues related to traffic load and parking spaces in Almaty, Kazakhstan*
   A practice-oriented urban logistics and mobility paper demonstrating how integrated IT solutions (monitoring, access control, mobile applications) can reduce congestion and improve utilisation of parking capacity—while noting the importance of cybersecurity and data protection.

III. Organisational and economic resilience

8. Tomasz Smal, Maria José Ayala Marín, Joanna Myślińska-Wieprow — *Economic security of logistics enterprises in the face of global turbulence*
   A discussion of how logistics enterprises can interpret economic turbulence through the lens of security and continuity, and how shifts in operating conditions change liquidity, cost structures and strategic logistics choices.
9. Andrzej Bujak, Adam Busławski, Anna Orzeł, Damian Ostrowski, Grzegorz Wieczorek, Anna Jurczak — *The role of a modern manager in shaping resilient supply chains using Lean Management tools*
   An applied managerial perspective showing how Lean tools and routines can support resilience by strengthening process discipline, visibility, and responsiveness—capabilities essential under uncertainty and disruption.
10. Ziang Li, Baktygul Satyvaldieva, Yi Zhuo, ShuBing Zhang — *Modelling cross-border risks in China's new industrial chain along the Belt and Road: Integrating ageing-driven demand dynamics and logistics resilience synergies*

A modelling-based exploration of crossborder risk drivers—demographic, economic and environmental—within largescale industrial and logistics networks, illustrating the value of integrated risk frameworks for policy and infrastructure decisions.

IV. Technology, reliability and the security environment

11. Piotr Wróblewski — *Contemporary problems of designing engines for military drone propulsion systems, taking into account their unforeseen mechanical failures and technical protection*
    A technically focused contribution addressing reliability and failure considerations in drone propulsion design—an important topic given the operational dependence on unmanned systems and their sustainment.
12. Jakub Adamkiewicz — *Threats from the human environment*
    A conceptual paper developing the understanding and classification of threats emerging from human environments—useful for security studies and risk-informed planning where logistics systems interact with people, organisations and societal dynamics.

Editorial transition and acknowledgements

The Jubilee is also a moment to acknowledge the people behind the journal's continuity: authors, reviewers, associate editors, language editors and the International Scientific Council. The strength of the journal lies not only in its thematic scope, but also in the collective effort that safeguards standards and ensures a reliable forum for debate. We extend our sincere thanks to everyone who has contributed to SLW/MLS over the past five decades. To mark this occasion, Table "50 years at a glance" provides a concise timeline of the journal's development and a record of the people and institutional units that have ensured its continuity.

Volume 63 has been prepared under the scholarly leadership of Dr Ryszard Lewiński (Volume 63 Editor) and published under the overall editorial stewardship of Dr Paulina Zamelek (Editor-in-Chief).

Ryszard Lewiński, Editor for Volume 63
Paulina Zamelek, Editor-in-Chief
Military Logistics Systems / Systemy Logistyczne Wojsk
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Systemy Logistyczne Wojsk / Military Logistics Systems
50 years at a glance

No.	**Editorial boards and editors (including Editors-in-Chief)** ***Chair of the journal's Scientific Council***	**Journal title Issue numbers**	**Years of operation**	**Directors of the Institute of Logistics**
1.	Lt Col Assoc. Prof. Dr Eng. Józef Konieczny Lt Col Dr Eng. Włodzimierz Miszalski Brig. Gen. Assoc. Prof. Dr Zdzisław Bobecki Brig. Gen. Dr Mieczysław Kaczyński Brig. Gen. MSc Eng. Mieczysław Bronowiecki Brig. Gen. MSc Eng. Stanisław Świtalski Col Dr Marian Socała Lt Col Dr Jerzy Frankiewicz Cdr Dr Eng. Krzysztof Ficoń Lt Col MSc Eng. Krzysztof Albiniak Lt Col Dr Eng. Bogusław Bis Col Dr Andrzej Wierzbicki Col MSc Eng. Władysław Kulik Col Dr Jacek Woźniak	***Systemy Zabezpieczenia Technicznego Wojsk*** Issues 1-6	1976-1981	Institute of Material and Technical Support Systems for the Armed Forces, WAT (until 1978) **Brig. Gen. Assoc. Prof. Dr Zdzisław Bobecki**
		Systemy Zabezpieczenia Technicznego Wojsk Issues 7-11	1982-1986	Institute of Technical Support Systems for the Armed Forces, WAT (from 1981) **Brig. Gen. Dr Mieczysław Kaczyński**
		Systemy Zabezpieczenia Technicznego Wojsk Issues 12-14	1987-1989	Institute of Technical Support Systems for the Armed Forces, WAT **Brig. Gen. MSc Eng. Mieczysław Bronowiecki**
		Systemy Zabezpieczenia Technicznego Wojsk Issues 15-18	1989-1994	Institute of Technical Support Systems for the Armed Forces, WAT **Brig. Gen. MSc Eng. Stanisław Świtalski**
2.	Col dr hab. Eng. Włodzimierz Miszalski, Prof. WAT Col Dr Eng. Bogusław Bis Col Dr Jacek Woźniak Col Dr Ryszard Lewandowski Col Dr Leszek Orłowski Lt Col dr hab. Eng. Zbigniew Świątnicki Lt Col MSc Eng. Bogusław Adamczak Col Dr Andrzej Janicki Col dr hab. Eng. Ryszard Bochenek, Prof. WAT Col dr Eng. Stefan Wojciechowski Col dr Eng. Władysław Giruć Brig dr hab. Eng. Stefan Władyka, Prof. WAT Lt Col MSc Eng. Jan Krolik Col Dr Eng. Józef Paszkowski Lt Col MSc Eng. Mirosław Maciejczyk	***Systemy Logistyczne Wojsk*** Issues 19-27	1994-2003	Institute of Logistics, MUT (WAT) **Col dr hab. Eng. Włodzimierz Miszalski, Prof. WAT**

3.	Col Dr hab. Eng. Zbigniew Świątnicki Maj MSc Eng. Paweł Ślaski Dr hab. Eng. Piotr Zaskórski, Prof. WAT Prof. dr hab. Eng. Jacek Koronacki Capt Dr Eng. Szymon Mitkow	***Systemy Logistyczne Wojsk*** Issues 28-30	2003-2004	Institute of Automation of Command and Logistics Systems, Faculty of Military Technology, WAT **Col dr hab. Eng. Zbigniew Świątnicki**
4.	Lt Col Dr Eng. Szymon Mitkow	***Systemy Logistyczne Wojsk*** Issues 31-32	2004-2006	Institute of Logistics of Command and Support Systems, Faculty of Military Technology, WAT **Col dr hab. Eng. Franciszek Kuczmarski**
5.	Lt Col Dr Eng. Szymon Mitkow Maj Dr Eng. Jarosław Ziółkowski Dr Jerzy Niepsuj	***Systemy Logistyczne Wojsk*** Issues 33-38	2006-2012	Department of Logistics (until 2012), Faculty of Mechanical Engineering, WAT **Prof. dr hab. Eng. Jan Figurski**
6.	***Col dr hab. Szymon Mitkow***	***Systemy Logistyczne Wojsk*** Issues 39-44	2012-2016	Institute of Logistics, Faculty of Mechanical Engineering, WAT **Dr hab. Eng. Marian Brzeziński**
7.	Col Dr Eng. Paweł Ślaski Dr hab. Eng. Sławomir Bartosiewicz	***Systemy Logistyczne Wojsk*** Issues 45-46	2016-2017	Institute of Logistics, Faculty of Logistics, WAT **Col dr hab. Szymon Mitkow**
8.	Dr hab. Eng. Sławomir Bartosiewicz Col Dr Eng. Mariusz Gontarczyk Col Dr Eng. Jarosław Zelkowski MSc Eng. Magdalena Rykała MSc Eng. Małgorzata Skura	***Systemy Logistyczne Wojsk*** Issues 47-51 Issues 52-53 ***Systemy Logistyczne Wojsk / Military Logistics Systems*** Issues 54	2017-2022	Institute of Logistics, Faculty of Logistics, WAT (until 2019); Faculty of Logistics, Security and Management, WAT (from 2019) **Dr hab. Eng. Mieczysław Pawlisiak**
9.	***Prof. dr hab. Eng. Marian Brzeziński*** Maj Dr Eng. Małgorzata Grzelak Dr Eng. Ewa Kalbarczyk Dr Małgorzata Oziębło MSc Małgorzata Adamkiewicz MSc Eng. Małgorzata Skura Dr Eng. Ryszard Lewiński Capt MSc Eng. Grzegorz Wiejak Capt MSc Eng. Gabriel Lesiak Dr Paulina Zamelek	***Systemy Logistyczne Wojsk / Military Logistics Systems*** Issues 55-57 Issues 58-62 Issue 63	2022-present	Institute of Logistics, Faculty of Logistics, Security and Management, WAT **Dr Eng. Marek Kalwasiński**