International Journal on Information Technologies and Security
volume 18 / 2026 **ISSN 1313-8251**
http://ijits-bg.com

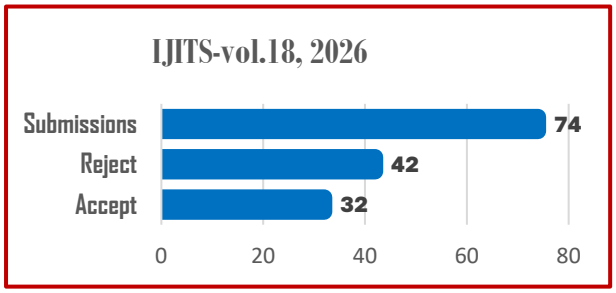
All published papers could be accessed by visiting journal web site, section "**Archive+**".

IJITS is a scientific journal, indexed in **Emerging Sources Citation Index (ESCI)** of **Web of Science (Clarivate Analytics)** – statistics are presented below.

Statistics from WoS (on 11 Aug 2026)

Journal Impact Factor™ JIF_{2025} = 0.9
Journal Citation Indicator™ JCI_{2025}=0.24
H-index = 12; Quartile Q4
Total times cited = 1095 (587 publications)
Average citation per item = 1,87

Statistics from IJITS



Contents of the volume 18

Section "Information Technologies"

Networking and Distributed Technologies

2026-01-01
M. Ashok Kumar, K. Saravanan, M. Batumalay, S. Priyadarshini. Energy efficiency clustering and distance-based routing (EECD) for wireless sensor networks. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 3-12. DOI: https://doi.org/10.59035/ZCSY5910

2026-02-01
O. Ja. Kravets, Yu. V. Moiseeva, E. I. Mutina, O. Yu. Zaslavskaya, A. V. Gorshkov, Yu. V. Redkin, I. V. Atlasov. The task of cleaning up retrospective data on resource usage in the workload forecasting system of a distributed information system component. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 3-10. DOI: https://doi.org/10.59035/ZHRA5978

2026-02-02
A. Myzeqari, J. Ajdari, X. Zenuni. BA-HGA: A burst-aware hybrid genetic algorithm for adaptive resource allocation in multi-tenant clouds. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp.11-22. DOI: https://doi.org/10.59035/YQAN9290

2026-02-03
A. Kaushik, G. Khan, P. Singhal. Effective load balancing in cloud computing using a hybrid optimization algorithm. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 23-34. DOI: https://doi.org/10.59035/ECFJ5461

2026-03-01
O. Iliev. Experimental evaluation of communication protocols across heterogeneous network infrastructures for M2M sensor data systems using the AHP–TOPSIS model. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 3-14. DOI: https://doi.org/10.59035/ODUV2537

2026-03-02
M. Ibraimi, A. Memeti. Session-state payload size and autoscaling behaviour of MVC applications in a Kubernetes testbed. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 15-24. DOI: https://doi.org/10.59035/MEAF6637

2026-03-03
V. Stoynov. Explainable cross-layer machine learning for enterprise WLAN auditing. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 25-36. DOI: https://doi.org/10.59035/FYPL5639

Program Technologies and Data Management

2026-01-02
O. Ja. Kravets, B. V. Martynenkov, A. V. Tcvetkov, E. O. Puzhanova, D. I. Mutin, P. V. Bespalov, Yu. V. Redkin. Algorithms for achieving mutual information coordination. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 13-20. DOI: https://doi.org/10.59035/KCJN6372

2026-02-04
V. Vasilev, G. Iliev. Dynamic dictionary with conditional perfectly balanced binary search. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 35-46.
DOI: https://doi.org/10.59035/SBEE8343

2026-02-05
N. Staevsky, R. Doneva, S. Gaftandzhieva. Effective integration solutions for hybrid cloud migration to SAAS: A human capital management case study. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 47-58. DOI: https://doi.org/10.59035/ONTL7870

2026-03-04
O. Ja. Kravets, E. A. Chunikhina, N.S. Yakovenko, P. V. Bespalov, Yu. V. Redkin, O. O. Varlamov, N. A. Butyrina. Algorithmization of a stochastic switchable environment operating in discrete time. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp.37-44. DOI: https://doi.org/10.59035/LXMA2829

Technologies for Automation of Engineering and Research

2026-01-03
D. Maevsky, A. Boiko, O. Besarab, E. Maevskaya, V. Lavrynenko, V. Kvitchuk. Wave phenomena in communication lines and their role in critical infrastructure security. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 21-32. DOI: https://doi.org/10.59035/UVAQ5100

2026-03-05
Zh. Doneva Georgieva, R. Doneva, S. Gaftandzhieva. Auditing the coverage of software quality & security & compliance requirements throughout the software development life cycle: A holistic approach. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 45-56. DOI: https://doi.org/10.59035/BQZC2230

2026-03-06
Anjali B., Gopinathan. S. Bridging local and global features: A multi-backbone ensemble framework for ASD facial classification. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 57-66. DOI: https://doi.org/10.59035/CSJH5046

2026-03-07
A. Rashidov, F. Rashidova. A classification framework for determining permissible levels of generative artificial intelligence use in engineering education. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 67-78. DOI: https://doi.org/10.59035/JCEV4877

Intelligent Systems and Knowledge-Based Technologies

2026-01-04
Vishalakshi, G. Sh. Biradar. Power allocation design using game theory for fast-fading non-orthogonal medium access network. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 33-44. DOI: https://doi.org/10.59035/SVEW4510

2026-01-05
B. U. Patil, Chetan R., D. V. Ashoka, A. V. Sutagundar. N. H. Shahapure. TriNet-HAR: A trimodal framework for human activity recognition. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 45-56. DOI: https://doi.org/10.59035/XAHH5647

2026-01-06
B. Gilev, N. Hinov, Y. Dimitrov. Modelling and H∞ control synthesis of serial DC-AC converter. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp.57-68. DOI: https://doi.org/10.59035/QMAD6153

2026-02-06
Al. Hyso, D. Gjylapi. A lightweight transfer learning framework for real-time image classification in resource-constrained system. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 59-70. DOI: https://doi.org/10.59035/YLQP1789

2026-03-08
N. Nikolov. An intelligent data-processing and machine learning workflow for urban heat assessment in smart cities. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 79-88. DOI: https://doi.org/10.59035/INRD8572

Technological Aspects of e-Government and Privacy

2026-01-07
O. Aljobaly, W. Abdulaal, M. Maatouk An enhanced framework for integrated centralized building permitting systems. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 69-80. DOI: https://doi.org/10.59035/WBTX5690

2026-01-08
J. Ikonen, A. Knutas, L. A. Ripamonti, G. Livraga, S. Hyrynsalmi. Catching Pokémon and in-game friends' home addresses. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 81-92. DOI: https://doi.org/10.59035/PHYU2064

2026-02-07
B. Lavanya, S. Janani. Privacy-robustness sensitivity analysis for secure development of differentially privacy deep learning under distribution shift. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 71-82. DOI: https://doi.org/10.59035/LBBT3945

Section "Information Security"

Cryptographic Algorithms and Protocols

2026-03-09
A. Verma, G. Khan. Authentication-based secure data dissemination in 5G-enabled VANETs. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 89-100. DOI: https://doi.org/10.59035/LDNS9118

Cryptographic Algorithms and Protocols

2026-02-08
J. Alizadeh, A. Huseynli. Comparative analysis of Paillier and BFV cryptosystems for building an electronic voting system. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 83-94. DOI: https://doi.org/10.59035/COCC2220

Wireless Security

2026-03-10
D. Prokopovych-Tkachenko, O. Galushchenko, Y. Kovalenko, M. Mormul, V. I. Sarychev, A. Herasymenko. Spatial localization of Wi-Fi threat sources in critical infrastructure via RADIO-SOC event correlation. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 101-110. DOI: https://doi.org/10.59035/MKMU8096

Cyber Security & Cyber Safety

2026-01-09
Yosifova, V., Yosifov, G. Leveraging open-source LLMs for IoT honeypot simulation and enhancing vulnerability assessment and threat intelligence. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 93-104. DOI: https://doi.org/10.59035/YAFR8754

2026-02-09
Y. Ivanova. Simulation analysis of the structural impact of AI amplifiers on global risk maps. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 95-104. DOI: https://doi.org/10.59035/GKNE5945

2026-02-10
Pl. Stanchev, D. Ivanova-Mutafchieva, N. Hinov. Cybersecurity challenges in industry 5.0: Human centric security, converged vulnerabilities, and resilience by design in smart manufacturing. *International Journal on Information Technologies and Security*, vol.18, no.2, 2026, pp. 105-116. DOI: https://doi.org/10.59035/KQAP1542

Section "Security Policy"

Energy Security

2026-03-11
I. Ilieva. Critical and strategic raw materials as a challenge to the EU's strategic autonomy and security. *International Journal on Information Technologies and Security*, vol.18, no.3, 2026, pp. 111-120. DOI: https://doi.org/10.59035/ORWP3497

Security Sector Reform

2026-01-10
Alshammari A. Integrated forensics data collection and analysis model for databases using design science method. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp 105-114. DOI: https://doi.org/10.59035/BIUY1706

2026-01-11
Ivanov, M., Naydenov, K., Atanasova, A. On the necessity of carrying out the reform of the security sector in Bulgaria in the context of adaptation to the era of the fight against climate change. *International Journal on Information Technologies and Security*, vol.18, no.1, 2026, pp. 115-126. DOI: https://doi.org/10.59035/DYMS2521