

ISSN 2522-9842 (online)



Public organization  
Ukrainian Scientific Community

*Journal of Scientific Papers*

# Social Development and Security

Volume 11, Issue 4, August, 2021



<https://paperssds.eu/index.php/JSPSDS/>



**Electronic scientific edition**

Journal of Scientific Papers "Social development and Security"

**Vol. 11, №4**  
August, 2021Founded in 2017 by the Public Organization "Ukrainian Scientific Community"  
**It comes out bimonthly****The editorial board***Editor of the publication***LYASHENKO Boris** | Prof, Dr. of Sciences, Ukraine;*Deputy Editor-in-Chief***TKACH Ivan** | Prof, Dr. of Sciences, Ukraine;*Members of the editorial board***ANTONYUK Victor** | Prof, Dr. of Sciences, Ukraine;**BALLANDA Anatoly** | Prof, Dr. of Sciences, Ukraine;**BARABASH Oleg** | Prof, Dr. of Sciences, Ukraine;**BEGMA Vitaliy** | Prof, Dr. of Economics, Ukraine;**BICHENKOV Vasyly** | Senior Researcher, Dr. of Sciences, Ukraine;**BONDARENKO Svitlana** | Dr of Sciences, Odessa, Ukraine;**BRITCHENKO Igor** | Prof., Dr. of Sciences, Poland;**CHORNY Vitaliy** | Prof, Dr. of Philosophy, Ukraine;**CUBICHEK Pavel** | Prof, Dr. of Law, Candidate of Law, Slovak Republic;**DIVIZINYUK Mikhail** | Prof., Dr. of Sciences, Ukraine;**Dio Caisar Darma** | Assist. Prof., Indonesia;**DIKHTIEVSKY Petr** | Prof, Dr. of Law, Ukraine;**DOLNYTSKY Bogdan** | Prof, Dr. of Law, Poland;**IVANCHENKOVA Larysa** | Assoc. Prof., Dr. of Economics, Ukraine;**FETTERLY Ross** | Dr. of Sciences, Canada;**GAWLICZEK Piotr** | Associate Professor, PhD, Poland;**GUZEWICZ Wojciech** | Rev. Prof. PhD, Poland;**KIRYLENKO Volodymyr** | Prof, Dr. of Sciences, Ukraine;**KOLODIY Anatoly** | Prof, Dr. of Law, Ukraine;**KOROBCHYNSKYI Maksym** | Prof., Dr. of Sciences, Ukraine;**KOROPATNIK Igor** | Assoc. Prof, Doctor of Law, Ukraine;**KURSEEITOV Timur** | Prof, Dr of Sciences, Ukraine;**LYZWA Aneta** | PhD, Poland**Luís Frólén Ribeiro** | Dr. in Mechanical Engineering, Portugal;**OPENKO Pavlo** | Ph.D, Ukraine;**MARCO Ivan** | Prof, Dr. of Sciences, Ukraine;**MATSKO Oleksander** | Prof., Candidate of Military Sciences, Ukraine;**MIRNENKO Volodymyr** | Prof, Dr. of Sciences, Ukraine;**PASHYNSKY Volodymyr** | Assoc. Prof, Candidate of Legal Sciences, Ukraine;**PACEK Boguslaw** | Prof, Dr. of Law, Poland;**SAGRADIAN Artak** | Prof, Dr. of Sciences, Armenia;**SAMBERG Andre** | Professor of Practice, PhD (civil protection), Brussels, Belgium.**SHEMAYEV Volodymyr** | Prof, Dr. of Sciences, Ukraine;**SHEMAYEVA Lyudmila** | Prof, Dr. of Sciences, Ukraine;**SHOPINA Iryna** | Prof., Dr. of Laws, Ukraine;**SILVERSTEIN Steven** | USA;**VOROBIOV Oleg** | Prof, Dr. of Sciences, Ukraine;**VOLOSHENKO Antonina** | Assoc. Prof., Dr. of Sciences, Ukraine;**YURKIV Nadia** | Prof, Dr. of Sciences, Ukraine;*Technical Secretary of the publication***TKACH Mykola** | Candidate of Technical Sciences (Ph.D), Ukraine.**FOUNDERS and PUBLISHER: Public Organization "Ukrainian Scientific Community" (Ukraine)**Executive secretary of the editorial board of the magazine Journal of Scientific Papers "Social Development and Security" Mykola Tkach,  
e-mail: [sjdsusc@gmail.com](mailto:sjdsusc@gmail.com); [tkachivan9@gmail.com](mailto:tkachivan9@gmail.com) <https://paperssds.eu/index.php/JSPSDS/>, тел. +38(093) 752-81-56

The authors of articles are responsible for the authenticity of facts, quotes, their own names, geographical names, names of enterprises, organizations, institutions and other information. Opinions expressed in these articles may not coincide with the point of view of the editorial board and do not impose any obligations on it.

CONTENT		
1	<b>The Need for an integrative theoretical model to determine the personality of terrorists</b> Ziyad Abdulqadir .....	3
2	<b>Methodical approach to account of life cycle cost of capabilities of Armed forces of Ukraine (organizational structures and governing bodies)</b> Oleh Semenenko, Iryna Chernyshova, Petro Onofriychuk, Ivan Motrunych, Konstantin Kharitonov, Roman Demchuk .....	14
3	<b>Evaluation of the personnel of the military organizational structure in the performance of their assigned tasks</b> Vyacheslav Kosevtsov, Vadim Mashtalir, Grigory Tikhonov, Aleksandr Bilyk .....	31
4	<b>Ensuring the stability of economic systems in conditions of market variability and increasing threats and risks</b> Viktoriya Mykytenko, Peter Rogov, Mykola Khomik .....	39
5	<b>Dependence of the level of efficiency of servicemen on the parameters of their medical care</b> Volodymyr Mirnenko, Oleg Shekera, Sergey Pustovoy, Peter Yablonsky, Mykola Butenko, Oleksandr Piavchuk .....	60
6	<b>Theoretical and methodological bases of implementation of conceptual documents of strategic and defense planning</b> Andriy Nalyvayko .....	71
7	<b>Analysis of the development of the theory of military science of logistic support of troops (forces) during the German-Soviet war</b> Anatolii Loishyn, Volodymyr Kivlyuk, Ivan Tkach .....	81
8	<b>Comprehensive methodology for assessing the effectiveness of mobilizing human resources in the area of responsibility</b> Dmytro Malitskyi .....	103
9	<b>On the issue of increasing the quality of economic development of the country by taking into account correlation between military expenditure and macroeconomic indicators of the country</b> Oleh Semenenko, Ihor Moskalenko, Maryna Abramova, Victoriia Koverga, Liliia Semenenko, Ihor Tselishchev .....	112
10	<b>Methods for determining the time of maintenance of samples of military vehicles with the current system of operation</b> Denis Pavlov .....	123
11	<b>Methods for assessing the technical condition of the power elements of fighter aircraft outside the assigned indicators</b> Maxim Strela .....	129
12	<b>Relationship between personal features and copy strategies in joint force participants</b> Maria Yarmolchuk, Liliia Semenenko, Yuzef Dobrovolskyi, Tetiana Poberezhec .....	140

13	<b>Analysis of the use of unmanned aviation and army aviation during a combat operation</b> Alexander Malkov, Yuriy Yelchaninov, Alexander Lobas .....	149
14	<b>Methodical approach for formulating requirements for the restoration system of armaments and military equipment</b> Volodymyr Kotsyuruba, Vadym Sivak, Oleh Uhrynovych .....	158
15	<b>Ways to improve the metrological support system in the modern conditions of the Ukraine Armed Forces development</b> Oleh Pavlovskyi, Oleh Sova, Volodymyr Koval .....	169
16	<b>Analysis of functioning of the restoration system armament and military equipment</b> Igor Ovcharenko, Andrey Zvonko, Anton Tkachenko, Alexander Yaroshenko .....	177
17	<b>Defense Industry Venture Financing: US Experience in the Ukrainian Dimension</b> Vitaly Begma, Vladimir Shemaev, Denis Radov, Polina Tolok .....	189
18	<b>Ways to increase the effectiveness of physical protection systems of critical infrastructure of the state, protected</b> Olena Azarenko, Yulia Honcharenko, Mykhailo Divizynyuk, Volodymyr Mirnenko, Valeriy Strilets .....	200
19	<b>Methodology of distribution of financial resources for the main measures of construction of the armed forces of Ukraine, taking into account the economic capabilities of the state and defense indicators</b> Oleh Semenenko, Ihor Voronchenko, Ruslan Butenko, Roman Pekuliak, Tetiana Yakovlieva, Olexandr Afanasyev .....	214
20	<b>Improved methodology determining the probability of fire damage to the enemy object, taking into account its resistance</b> Volodymyr Oliinyk .....	225
21	<b>Concerning the content of the military-economic development strategy of Ukraine as the most important component of its economic policy</b> Olha Taran .....	232