

ABSTRACT&REFERENCES

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ECONOMIC MECHANISM OF REGIONAL ECOLOGICAL REGULATION

p. 6-9

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The article is devoted to the issues of ecologically directed nature exploitation. The problems of the economic mechanism regional ecological regulation of economic activity are considered. Particular attention is paid to the content of such concepts as nature protection, ecological safety, ecological capacity of the territory of the region. The ecological aspect of industrial activity is discussed when developing research in the sphere of ecologization of the cities to ensure ecological safety

Keywords: economic mechanism, nature exploitation, ecological regulation, ecological safety, ecologization of cities

References

1. Burkinskiy, B. V., Kovaleva, N. G. (1995). *Ekonomicheskie problemy prirodopol'zovaniya* [Economic problems of nature management]. Kyiv: Naukova dumka, 143.
2. Balatskiy, O. F. (1979). *Ekonomika chistogo vozduha* [Economy of clean air]. Kyiv: Naukova dumka, 296.
3. Kryzhanovskiy, R. A., Gromova, E. N., Galushkina, T. P. (1991). *Morskaya ekonomika segodnya i zavtra* [Maritime economics today and tomorrow]. Moscow: Nauka, 161.
4. Meleshkin, M. T., Stepanov, V. N. (1980). *Promyshlennye othody i okruzhayushchaya sreda* [Industrial wastes and the environment]. Kyiv: Naukova dumka, 161.
5. Bartov, V. F., Sedov, V. V. (1984). *Kontseptsiya vzaimosvyazey ekonomiki i prirody* [The concept of interrelations between economy and nature]. Moscow: Mysl', 32.
6. Hens, L., Mel'nik, L., Bun, E. (Eds.) (1998). *Ekonomika prirodopol'zovaniya* [Economics of nature management]. Kyiv: Naukova dumka, 480.
7. Ofitsiynyi sait Derzhavnogo upravlinnia okhorony navkolyshnoho pryrodnoho seredovyschcha u Odeskiy oblasti [Official web site of the State Ownership of the Foreign Nature of the Nature Environment in the Odessa region]. Available at: <http://ecology.odessa.gov.ua/>
8. Kovalskiy, V. S. (Ed.) (2001). *Zakon Ukrainy «Pro okhoronu navkolyshnoho pryrodnoho seredovyschcha»* [The Law of Ukraine “On the Protection of the Environment”]. Ekolohichne zakonodavstvo Ukrainy. Kyiv: Yurinkom Inter, 7–46.
9. Melnyk, L. H. (2003). *Ekolohichna ekonomika: pidruchnyk* [Ecological Economics]. Sumy: VDT “Universytetska knyha”, 348.
10. Khvesyk, M. A., Horbach, L. M., Kulakovskiy, Yu. P. (2004). *Ekonomiko-pravove rehuliuвання pryrodokorystuvannya* [Economic and legal regulation of nature use]. Kyiv: Kondor, 524.
11. Meadows, D. H., Meadows, D. L., Randers, J., Behrens, W. W. (1972). *The Limits to Growth: A report for the Club*

of Rome’s Project on the Predicament of Mankind. New York: Universe Books, 205. doi: 10.1349/ddlp.1

12. Kaika, M., Heynen, N., Swyngedouw, E. (Eds.) (2006). *In the Nature of Cities: Urban Political Ecology and the Politics of Urban Metabolism*. New York: Routledge, 288. doi: 10.4324/9780203027523

13. Fedorenko, N. P. (1983). *Ekologiya i ekonomika – evolyutsiya vzaimootnosheniy. Ot “ekonomii” prirody do “bol’shoy” ekologii* [Ecology and economics – the evolution of relationships. From the “economy” of nature to the “big” ecology]. *Filosofskie problemy global’noy ekologii*. Moscow: Nauka, 329.

14. *Zakon Ukrainy “Pro okhoronu navkolyshnoho seredovyschcha”* [The Law of Ukraine “On Environmental Protection”] (1991). Verkhovna Rada Ukrainy, No. 1264-XII. Available at: <http://zakon4.rada.gov.ua/laws/show/1264-12>

15. *Glossary of Statistical Terms* (2007). OECD, 863. Available at: http://ec.europa.eu/eurostat/ramon/coded_files/OECD_glossary_stat_terms.pdf

16. Danylyshyn, B. M. (2001). *Pryrodno-tekhnohenni katastrofy: problemy ekonomichnoho analizu ta upravlinnia* [Natural-technogenic disasters: problems of economic analysis and management]. Kyiv: VVPSU, 260.

17. Leskov, M. A. (1994). *Gomeostatische protsessy i teoriya bezopasnosti. Bezopasnost’* [Homeostatic processes and safety theory]. *Informatsionnyy sbornik Fonda natsional’noy i mezhdunarodnoy bezopasnosti*, 4, 66.

18. Herasymchuk, Z. V. (2007). *Ekolohichna bezpeka rehionu: diahnozyka ta mekhanizm zabezpechennia* [Ecological safety of the region: diagnostics and mechanism of provision]. Lutsk: Nastyria, 280.

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ANALYSIS OF THE STATE OF BEEKEEPING INDUSTRY IN UKRAINE, FEATURES OF THE ORGANIZATION OF LABOR PROTECTION AND IMPROVEMENT OF SAFETY RULES WITH BEES

p. 10-13

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The article investigates the current state of the beekeeping industry, raised questions regarding the maintenance of bees, the rules of inspection of bee colonies and safety rules, features of obtaining, processing and marketing of beekeeping products. The article presents statistical studies of the production of honey and wax, changes in the number of bee families on the territory of Ukraine over the past 30 years. The question arises of the need to conduct research on improving the work safety and safety at work with bees, as well as increasing productivity in the field of beekeeping and the implementation of needs for its products

Keywords: bee colony, work safety, labor protection, industry, bees, production, processing

References

1. Burenin, N. L., Kotova, G. N. (1985). Spravochnik po pchelovodstvu. Moscow: Agropromizdat, 288.
2. Chekhov, S. A. (2002). Mistse Ukrainy u svitovomu vyrobnytstvi medu. Visnyk aharnoi nauky, 3, 84.
3. Kashkovskiy, V. G. (1984). Tekhnologiya ukhoda za pchelami. Novosibirsk: Zap.-Sib. kn. Izd-vo, 134.
4. Mehed, V. H., Polishchuk, V. P. (1987). Bdzhilnytstvo. Kyiv: Vyshcha shkola, 339.
5. Kireevskiy, I. I. (2006). Chto nuzhno znat' nachinayushchemu pchelovodu. Donetsk: Stalker, 286.
6. Chekhov, S. A. (2000). Problemy i perspektyvy rozvytku bdzhilnytstva v Ukraini. Visnyk aharnoi nauky, 6, 79–80.
7. Avetisyan, G. A. (1983). Razvedenie i sodержanie pchel. Moscow: Kolos, 271.
8. Klimenkova, E. T., Kushnir, L. G., Bachilo, V. I. (1980). Medonosy i medosbor. Minsk: Uradzhay, 280.
9. Kotova, G. N., Vorob'ev, B. L. (2005). Paseka, pchely, med. Moscow: Izdatel'skiydom MSP, 224.
10. Kokorev, N., Chernov, B. (2005). Pchely. Bolezni i vrediteli. Moscow: Kontinent-Press, 352.
11. Chekhov, S. A. (2001). Rol bdzhilnytstva u pidvyshchenni vrozhaivosti entomofilnykh silskohospodarskykh kultur. Visnyk aharnoi nauky, 3, 77–78.

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METHOD OF REDUCING STRIKING ELEMENT ENERGY CHARACTERISTICS AFTER REFLECTION FROM THE OBSTACLE

p. 14-18

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The possibility of reducing the velocity of the striking element after reflection from the obstacle surface to a safety level by changing the mechanical properties of its design is considered. It has been established that an important factor influencing the safety of the use of small arms, taking into account the ricochet, is the density of the material of the striking element. The method of ensuring the safety of the striking element after reflection from the obstacle based on the choice of its material is developed. The direction of further research is determined

Keywords: small arms, safety of weapons use, ricochet, conditional recovery factor

References

1. Bilenko, O. I., Kyrychenko, O. O. (2014). Ways of increasing the safety of small arms employment by law enforcement forces. Eastern-European Journal of Enterprise Technologies, 2 (3 (68)), 35–39. doi: 10.15587/1729-4061.2014.23117
2. Karger, B., Joosten, U. (2001). A case of “boomerang” bullet ricochet. International Journal of Legal Medicine, 115 (2), 70–71. doi: 10.1007/s004140000148
3. Obzor proisshestviy za 13.01.2009 g. (2009). RIA Novosti. Rossiyskoe agentstvo mezhdunarodnoy informatsii. Sibirskiy okrug. 2009. Available at: <http://sibir.rian.ru/incidents/20090113/81746850.html>
4. Snayper ne tselilsya v medsestru pri osvobozhdenii zalozhnikov v kolonii (2011). Vzglyad. 2011. Available at: <http://www.vz.ru/news/2011/11/3/535865.html>
5. Osobennosti ognestrel'nykh povrezhdeniy pri rikoshete i preodolenii puley pregrad pered raneniyem. Available at: <http://www.vuzlib.su/beta3/html/1/12314/12398>
6. Bilenko, O. I., Kyrychenko, O. O., Pavlov, D. V. (2017). Doslidzhennia vplyvu materialu metalnoho elementu na kharakterystyky rykoshetu. Zbirnyk naukovykh prats Natsionalnoi akademiyi Natsionalnoi hvardiyi Ukrainy, 2 (30), 15–21.
7. Popov, V. L. (2002). Sudebno-meditsinskaya ballistika. Sankt-Peterburg: Gipokrat, 656.
8. Kirilov, V. M. (1980). Patrony strelkovogo oruzhiya. Moscow: TSNII informatsii, 372.
9. Kuhling, H. (1982). Spravochnikpo fizike. Moscow: Mir, 520.
10. Shapiro, Ya. M. (1946). Vneshnyaya ballistika. Moscow: Oborongiz, 408.

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THE REVIEW OF METHODS AND MEANS OF EXTINGUISHING OF MINE FIRES

p. 19-26

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Analysis of methods and means helps to select the appropriate method of stopping a fire in mining. Knowledge of the features of the development of fires in mining enterprises allows one to choose methods and means of extinguishing fires in accordance with the type of fire. Among the main known methods of fire protection is the progressive fire extinguishing on the basis of the use of the latest research on nanotechnology, for example, nanoparticles from clay and cement, which stick to objects and block the access of oxygen to the burning surfaces

Keywords: *methods and means of extinguishing fires, mining operations, fire safety, bridge, primary means of fire extinguishing*

References

1. Results of activity of the branches of the SPMRU of Ukraine in the year 2016. Report of the SESS of Ukraine.
2. Bulgakov, Y. F., Warsaw, S. Y. (2009). Providing the effectiveness of extinguishing exogenous fires in coal mines. *Mining industry*, 5 (87), 51–54.
3. Myachen, V. V., Sharov, S. A., Chuprikov, A. E. (2004). The system of insulation work and quenching of an underground fire in a mine using cryogenic technology. *Safety of labor in the industry*, 4, 13–15.
4. Pashkovsky, P. S., Lebedev, V. I. (2012). Ventilation of mines under underground fires. Donetsk: Arpi, 448.
5. Antonov, A. V., Borovikov, V. O., Orel, V. P., Zharov's'kiy, V. M., Kovalishin, V. V. (2004). *Extinguishants*. Kyiv: Pozhinformtehnika, 176.
6. Trofimov, V. O., Bulgakov, Yu. F., Kavera, O. L., Khar'koviy, M. V. (2009). *Aerology of mine ventilation networks*. Donetsk: Nord-Press, 87.
7. State standard GOST 28352-89. Connecting heads for fire equipment. Types, main parameters and dimensions. Available at: <http://docs.cntd.ru/document/1200006949>
8. Chuprikov, A. E., Lapin, V. A. (1995). Pat. No. 2044888 RU. Sailing bridge. MPK E21F5/00, E21F1/14. declared: 18.06.1992; published: 27.09.1995.
9. Gorbatov, V. A., Subbotin, A. I., Igishev, V. G., Popov, V. B., Igisheva, A. A. (2002). Pat. No. 2190100 RU. Explosion-proof bridge. MPK IPC 7E21F5/00. No. 200128980/03; declared: 20.11.2001; published: 27.09.2002.
10. Russkikh, V. V., Yavorskiy, A. V., Yavorskaya, E. A. (2012). Parameters of explosion protection devices for extinguishing shock air waves in underground mining of ores. Dnepropetrovsk: NTU, 93.
11. Abramov, Yu. A., Kireev, A. A. (2015). Gel-forming fire-retardant means of increased efficiency in relation to class A fires. Kharkiv: NUTZU, 254.
12. Sinegubov, V., Belyakov, N., Petrov, D., Karasev, M. (2013). Pat. No. 2498072 RU. Sposob kombinirovannoy zabu-

tovki zakrepnogo prostranstva. MPK E21D 11/00, E21D 5/11. No. 2012123028/03. declared: 04.06.2012; published: 10.11.2013. Bul. No. 31.

13. Statute of the SPMRU for the organization and conduct of the rescue work: SSILP 1.1.30-4.01-97: App. Ministry of Coal Industry of Ukraine 06.06.97 No. 232 (1997). Kyiv, 454.

14. State standard GOST R 57052-2016. Mining equipment. Automatic fire extinguishing systems (for underground workings). General technical requirements and test methods. Available at: <http://docs.cntd.ru/document/1200139209>

15. «Vot kuda tekhnika doshla»: kitayskie roboty-pozhar-nye vzbudorazhili set' (2017). Available at: http://www.dobropole.com.ua/news/vot_kuda_tekhnika_doshla_kitajskie_roboty_pozpozhar_vzbudorazhili_set/2017-08-30-18277

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DEVELOPMENT THE IMPLEMENTATION METHOD FOR ASSIGNMENT PROBLEM WITH INDEPENDENT QUANTITY OF VACANCIES POSTS

p. 27-30

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An approximate method of solving the assignment problem is considered, which enables to allocate candidates to vacancies so that the overall efficiency of all works is as high as possible. The mathematical model of the problem and algorithm of its solution are constructed. In developing mathematical model and algorithm, the following data are taken into account: the number of candidates for positions, the number of vacant positions, expert assessment (score) of the candidate's correspondence to a certain position are taken into account. An example is given to illustrate the work of the algorithm

Keywords: *approximate method, approximate solution, generalized assignment problem, mathematical model*

References

1. Marko, M. Y., Tsehelyk, H. H. (2017). An approximate method for solving assignment problem. *Pereiaslav-Khmelnytskyi: Hryhoriy Skovoroda State Pedagogical University of Pereiaslav-Khmelnytskyi*, 24.
2. Marko, M. Y., Tsegelik, H. H. (2017). An approximate method for solving assignment problem. *Mathematical Modeling in Economy*, 3-4 (9), 42–49.
3. Konig, D. (1990). *Theory of finite and infinite graphs*. Boston: Birkhauser, 426. doi: 10.1007/978-1-4684-8971-2
4. Kuhn, H. W. (1955). The Hungarian method for the assignment problem. *Naval Research Logistics Quarterly*, 2 (1-2), 83–97. doi: 10.1002/nav.3800020109
5. Voloshyn, O. F., Mashscenko, S. O. (2010). *Decision making models and methods*. Kyiv: Kyiv University printing and publishing centre, 336.
6. Kvyk, M. Y. (2015). *Mathematical methods and models for decision making support in small enterprises manage-*

ment. Cherkasy: East European University of Economics and Management, 20.

7. Kigel, V. R. (1999). Mathematical methods of decision-making in effective entrepreneurship. Kyiv: IEUHP, 269.

8. Kigel, V. R. (2003). Methods and Models of Decision-Making Support in a Market Economy. Kyiv, 202.

9. Dobylyak, L. P. (2014). Economic-mathematical modeling of tendencies of small business development in Ukraine. Cherkasy: East European University of Economics and Management, 20.

10. Taha, H. A. (2001). Introductions to the study of operations. Kyiv: Publishing house «Williams», 207.

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ALGORITHMS OF SEGMENTATION OF SPEECH SIGNAL ON THE CORRELATED NOISE BACKGROUND

p. 31-35

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Algorithms of segmentation based on formant and antiformant assessments are considered in the article. An algorithm for speech segmentation using momentary functions of third and fourth order is obtained. It is proposed to use digital filtering based on the sliding-average autoregressive model to suppress correlated noise. Estimates of variance in estimating the time boundaries of words for a number of proposed speech segmentation algorithms are obtained

Keywords: speech segmentation, sliding-average autoregressive model, moment functions, formants, phonemes, correlated noise

References

1. Rabiner, L. R., Shafer, R. V.; Nazarov, M. V., Prohorov, Yu. N. (Eds.) (1981). Tsifrovaya obrabotka rechevyh signalov. Moscow: Radio i svyaz', 496.

2. Presnyakov, I. N., Omel'chenko, S. V. (2003). Pomekhoustoychivye algoritmy segmentatsii rechi v sistemah obrabotki. Radiotekhnika, 131, 165–177.

3 Sorokin, V. N., Tsyplihin, A. I. (2004). Segmentatsiya i raspoznavanie glasnyh. Informatsionnye protsessy, 4 (2), 202–220.

4. Sorokin, V. N., Tsyplihin, A. I. (2006). Segmentatsiya rechi na kardinal'nye element. Informatsionnye protsessy, 6 (3), 177–207.

5. Marpl, S. L. (1990). Tsifrovoy spektral'niy analiz i ego prilozheniya. Moscow: Mir, 584.

6. Presnyakov, I. N., Omel'chenko, S. V. (2003). Avtomaticheskoe raspoznavanie razdel'nyh slov i fonem rechi. Radioelektronika i informatika, 2, 41–47.

7. Presnyakov, I. N., Omel'chenko, S. V. (2003). Algoritmy raspoznavaniya fonem rechi. Radiotekhnika, 135, 180–189.

8. Presnyakov, I. N., Omel'chenko, S. V. (2004). Raspoznavanie rechevogo signala na fone korrelirovannoy pomekhi. Radiotekhnika, 137, 23–30.

9. Presnyakov, I. N., Omel'chenko, S. V. (2004). Algoritmy raspoznavaniya rechi. Avtomatizirovannye sistemy upravleniya i pribory avtomatiki, 126, 136–145.

10. Presnyakov, I. N., Omel'chenko, S. V. (2004). Raspoznavanie fonem rechi. Radioelektronika i informatika, 3, 59–63.

11. Presnyakov, I. N., Omel'chenko, S. V. (2004). Raspoznavanie rechevogo signala na fone belogo shuma i uzkopolosnoy pomekhi. Prikladnaya radioelektronika, 3 (2), 29–35.

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IMPLEMENTATION OF THE INTEGRATED WATER RESOURCES MANAGEMENT SYSTEM BASED ON THE BASIN PRINCIPLE

p. 36-40

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The sense of the principle of basin management of water resources is disclosed in the article. The experience of European countries in this area and the prospects of its implementation in Ukraine are analyzed. The principles of integrated water resources management are characterized. The components of the river basin management plan as the main planning document for implementation of the program of measures for the sustainable management of water resources within the river basin for the long-term period are indicated. The structural scheme of integrated water resources management is proposed and its components are described. Conclusions are made on the necessity of implementing the integrated water resources management system based on the basin principle

Keywords: water resources, river basin, water framework directive, integrated management, basin management principle

References

1. Dyrektyva 2000/60/EC Yevropeiskoho Parlamentu i Rady "Pro vstanovlennia ramok diyalnosti Spivtovarystva v haluzi vodnoi polityky" vid 23 zhovtnia 2000 roku. Verkhovna Rada Ukrainy. Available at: http://zakon5.rada.gov.ua/laws/show/994_962

2. National Environmental Policy of Ukraine: Assessment and Development Strategy (2007). Kyiv: VAITE. Available at: http://myfiles.at.ua/_ld/0/28.pdf

3. Water quality and water management: a brief description of the EU Directives and timetable for their implementation (2014). Kyiv: European Union. Available at: http://buvrtysa.gov.ua/newsite/download/Water_brochure.pdf

4. Klymchuk, O., Bagmet, A. (2016). Aspects of realization of EU water policy in the region. Theses of All-Ukrainian Sciences prakt. conf. "Sustainable development of the country within the framework of European integration", 61.

5. Romashchenko, M., Mikhailov, Y., Lyutnitsky, S., Danilenko, Y. (2011). Improvement of Integrated Water Resources Management of Ukraine on the Basin Principle. Melioration and Water Management, 99, 169–178.

6. VR khoche vvesty baseinovi pryntsyup upravlinnia vodnymy resursamy. UNIAN. Available at: <https://ecology.unian.ua/naturalresources/1349797-vr-hoche-vvesti-baseynovy-printsip-upravlinnya-vodnimi-resursami.html>

7. About the main principles (strategy) of the state environmental policy of Ukraine for the period up to 2020: Law of Ukraine dated December 21, 2010 p. No. 2818-VI (2011). Information from the Verkhovna Rada of Ukraine, 26, Art. 218.

8. Romashchenko, M., Khvesik, M., Mikhailov, Y. (Eds.) (2015). The water strategy of Ukraine for the period up to 2025 (scientific basis). Kyiv, 46.

9. RIVERTWIN project. Regional model of integrated management of dual river basins. Periodic report. Period: 01.03.2004-28.02.2005, 108.

10. Sazonets, I., Pokul, O. (2015). Basin management as an effective state method of ensuring the rational use of water resources by enterprises of Ukraine. Bulletin of socio-economic research, 3, 198–205.

11. Law of Ukraine "On approval of the national target program for the development of water management and ecological improvement of the Dnipro river basin until 2021" (2012). Verkhovna Rada Ukrainy, No. 4836-17. Available at: <http://zakon2.rada.gov.ua/laws/show/4836-17>

12. Environmental management and integration of environmental policy into other sectoral policies: a brief description of the EU Directives and timetable for their implementation (2014). Kyiv: European Union. Available at: http://www.if.gov.ua/files/uploads/Upravlinnya_brochure_final.pdf

13. Klymchik, O., Bagmet, A. (2010). Cartographic representation of the provisions of the EU water policy using GIS-technologies. Water: problems and solutions, Articles of Sciences Digest. conf. from between participation, 147–151.

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THE TERMINOLOGICAL ASPECT OF THE JIHADIST TERRORISM IN EUROPE IN THE FIRST TWO DECADES OF THE 21ST CENTURY

p. 41-45

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A typology of Islamic terrorists in Europe for the first two decades of the 21st century is proposed in the article. The terminological aspect of this problem is investigated. Some features of modern manifestations of religious radicalism are characterized. The ideological and organizational structural elements of religious extremism of jihadist terrorists are shown. It is proved that this extremism carries signs of a religious conflict and is a threat to the Europeans security regardless of religion

Keywords: religious extremism, Islamic terrorism, jihadism, moral values, European security

References

1. European Security Strategy – A Secure Europe in a Better World (2003). EEAS Strategic Planning. Available at: <https://europa.eu/globalstrategy/en/european-security-strategy-secure-europe-better-world> Last accessed: 14.07. 2017

2. Juergensmeyer, M. (2003). Terror in the Mind of God: The Global Rise of Religious Violence. University of California Press, 319.

3. Esposito, J. (2003). Unholy War: Terror in the Name of Islam. Oxford University Press, 196.

4. Kadieva, A. M. (2008). Religioznyy ekstremizm: sushnost', prichiny, puti preodoleniya. Makhachkala, 18.

5. Dobaev, I. P., Nemchina, V. I. (2005). Novyi terrorizm v mire i na Yuge Rossii: sushnost', evolyutsiya, opyt protivodeystviya. Rostov-on-Don: Rostizdat, 304.

6. Akhromeeva, Yu. V. (2009). Sotsiokul'turnye osnovy religioznogo ekstremizma. Voronezh, 18.

7. Samoshonkov, K. N. (2004). Religiozniy konflikt kak obekt sotsial'no-filosofskogo analiza. Moscow, 18.

8. Aristova, A. (2008). Poniattia «relihiyniy konflikt»: poshuky i diskusii. Ukrainske Relihiieznavstvo, 45, 5–10.

9. Burlak, S. M. (2005). Relihiyniy fanatyzm: relihiieznavcho-psykholohichna sutnist ta formy proiavu. Kyiv, 18.

10. Pisotskyi, V. (1997). Tolerantnist yak umova i zasib vyrishennia mizhkonfesiinykh konfliktiv. Ukrainske relihiieznavstvo, 6, 20–25.

11. EU Terrorism Situation & Trend Report 2017 (2017). Europol. Available at: <https://www.europol.europa.eu/activities-services/main-reports/eu-terrorism-situation-and-trend-report-te-sat-2017> Last accessed: 14.07. 2017

12. EU Terrorism Situation & Trend Report 2015 (2015). Europol. Available at: <https://www.europol.europa.eu/activities-services/main-reports/european-union-terrorism-situation-and-trend-report-2015> Last accessed: 14.07. 2017

13. EU Terrorism Situation & Trend Report 2016 (2016). Europol. Available at: <https://www.europol.europa.eu/activities-services/main-reports/european-union-terrorism-situation-and-trend-report-te-sat-2016> Last accessed: 14.07. 2017

14. Zabroda, T. N. (2007). Islam v kontekste religiozno-politicheskogo ekstremizma: filosofsko-religiovedcheskiy analiz. Rostov-on-Don, 19.