CONTENT ANALYSIS OF DOCTORAL DISSERTATIONS
ON ENTERPRISE ECONOMIC SECURITY, DEFENDED IN UKRAINE IN 2000-2018

Topicality. The urgency of the problem of ensuring the enterprise economic security in the modern conditions of management is particularly acute due to the growing number of unprofitable and bankrupt entities, lack of resources for effective activity, risks, threats and hazards of internal and uncertainty of external environment, etc. The practical activities of companies to ensure economic security require scientific and methodological support, which would reveal best practices, generalize existing theoretical work, methodical provisions and applied recommendations. Although the primary link of scientific communication is article, dissertation works on enterprise economic security are chosen for analysis as the most unified form of presentation of the scientific research results in this field of knowledge.

Purpose and tasks. The purpose of the article is to conduct content analysis of defended theses on enterprise economic security in order to determine the general state of research field, the degree of scientific efforts coordination and main trends of published research.

Research results. The dissertation works were selected exclusively on the subject of enterprise economic security; the sample for 2000-2018 made 205 works. Further analysis was carried out according to the criteria of method LATCH while processing data arrays - Location; Alphabet; Time; Category; Hierarchy. A number of scientific specialties, candidate and doctoral theses (PhD and Doctor of Sciences), the main term in the subject of theses, dynamics of oral defenses, leading institutions, geographic centers and economy branches are determined. There are certain regularities of the array; as well as constant dynamics in the studies of enterprise economic security in different specialties is not observed, there are periods of growth and decline, there are five institutions of higher education in Ukraine, where majority of works are defended; seven geographical centers of enterprise economic security research are allocated.

Conclusions. There is a certain recurrence of topics and research areas in various specialties in the study of enterprise economic security. When calculating the frequency of concepts in the dissertation themes it is determined the difference of specialties and corresponding research within their framework: 21.04.02 focused on the comprehensive study of system development, international standards of enterprise economic security, the mutual influence of national security and enterprises economic security, etc. We have to coordinate the research directions within the various scientific specialties on the subject of enterprise economic security, harmonize the terminology (including those with foreign correspondents), develop effective theoretical and methodological provisions and applied guidelines for the practical activity of specialists or managers of the economic security sphere of economic entities and their activities.

Keywords: enterprise economic security, content analysis, text data analysis, content-analytic research.
стаття, для аналізу обрано дисертаційні роботи з економічної безпеки підприємства як найбільш уніфікована форма представлення результатів наукового дослідження у цій галузі знань.

Мета та завдання. Метою статті є проведення контент-аналізу захищених дисертацій з економічної безпеки підприємства з метою визначення загального стану дослідницької галузі, ступеню координації наукових зусиль та основних тенденцій оприлюднених досліджень.

Результати. Обрано дисертаційні роботи включно з економічної безпеки підприємства, вибірка за 2000-2018 pp. склалася 205 робіт. Подальший аналіз проведено за критеріями методу оброблення масивів даних LATCH - Location (розташування); Alphabet (алфавіт); Time (час); Category (категорія); Hierarchy (ієрархія). Визначено низку наукових спеціальностей, щільність кандидатських та докторських дисертацій, основну кількість в тематичні дисертації, динаміку захистів, провідні установи, географічні центри та галузі. Виявлено певні закономірності масиву робіт, також що сталою динамікою у дослідженнях економічної безпеки підприємства за різними спеціальностями не спостерігається, є періоди зростання та спаду, с п'ять закладів вищої освіти України, де захищено найбільше робіт; виділяються сім географічних центрів дослідження економічної безпеки підприємства.

Висновки. Існує певна повторюваність тем та напрямів досліджень у різних спеціальностях щодо вивчення економічної безпеки підприємства. При підрахунку частотності понять у темах дисертаційних робіт визначається відмінність спеціальностей і відповідно досліджень в їхніх рамках: 21.04.02 орієнтована на комплексне вивчення системотворення, міжнародних стандартів з економічної безпеки, взаємодію національної безпеки та економічної безпеки підприємства. Масив угледрує напрями досліджень в рамках різних наукових спеціальностей з теми економічної безпеки підприємства, гармонізувати термінологію (у т. ч. з іншомовними відповідниками), розробити ефективні теоретико-методичні положення та прикладні рекомендації для практичної діяльності фахівців або менеджерів сфер економічної безпеки суб'єктів гospодарської діяльності.

Ключові слова: економічна безпека підприємства, контент-аналіз, аналіз текстових даних, контент-аналітичне дослідження.

Problem statement and its connection with important scientific and practical tasks. The importance of managing the economic security of an enterprise, industry / region and state is indisputable. However, the scientific and methodological support of the enterprise's economic security is insufficient. The study of economic security at the enterprise level at the moment does not have a solid methodological basis. In this sense, the science of economic security of the enterprise is at the stage of formation, the methodological problems have not yet been solved completely, but the array of publications and dissertations is quite significant. Questions need further research, it is also necessary to determine in a certain way the main features of the field of knowledge and the available work in it. For the analysis in the article dissertations on the subject of economic security of the enterprise are selected.

Analysis of recent publications on the problem. In domestic publications on economic security, the company has certain gaps - in particular, in the studies of different authors, the very essence of the category is being treated differently, the structure of the economic security system and the content of economic security are not harmonized, the method of analyzing the efficiency of the system or assessing economic security at the enterprise level is not defined. etc. In isolated works with a certain analysis of theses on economic security, only a selective list of dissertations, protected in the context of innovative enterprise development [1, p. 40], some references to protected dissertations in the near abroad in the banking sector [2, p.76], calculations of the total number of dissertations on security in Russia and Ukraine [3, p. 104], the number of sources used in three doctoral dissertations from one hundred defended in Ukraine and the CIS [4, p.193].

Allocation of previously unsolved parts of the general problem. Although Ukraine has a large number of dissertations on the economic security of the company, there is no comprehensive analysis of existing dissertations. Therefore, a detailed analysis of the protected theses on economic security of the company is necessary.

Formulation of research objectives (problem statement). The purpose of the content-analysis of theses was to determine the state of the research industry on the economic security of the enterprise and the degree of coordination of scientific efforts.

Outline of the main results and their justification. The article presents the results of a complete content analysis of theses on the subject of economic security of the enterprise protected in Ukraine for the period of 2000-2018. Content analysis (“content analysis”) is a sequence of quantitative analysis of text arrays, revealing certain patterns in them purpose of further interpretation of their content.

The primary unit of analysis was a topic, however, later the author of the research technique was adjusted and modified to expand the information. Further analysis was carried out on all the initial data of the theses with the grouping of their characteristics for 7 parameters: specialty, year of protection; the institution where the academic council acted at the time of protection; city, industry of the analyzed enterprise, leading term of the
topic of work, scientific degree (doctor / candidate of science).

Beginning of the creation of a sample of theses on economic security of the enterprise (ESE) - April 2015, based on the database of abstracts of the Vernadsky National Library (NLUV) [5], commercial sites, defense announcements in the " Chronicle of abstracts" [6] and "Education of Ukraine" [7]. In the summer of 2016, an electronic database of research and dissertation work at the Ukrainian Institute of Scientific and Technical Expertise and Information (UkrISTEI, full access in the reading room [8]) was used and later in addition to the data of the councils of academic councils, by the end of 2018, [9-15] who already had to submit abstracts and dissertations for public examination in accordance with the Order of the Ministry of Education and Science of Ukraine (MESU) "On Disclosure of Theses and Comments of Official Opponents" No. 758 dated 07/14/2015.

We must note that the search is still complicated by the lack of a single source, which would contain a summary of all the protections. The National Academy of Legal Sciences (NALS) annually establishes a list of approved topics and provides an analysis of protected dissertations, which helps to determine the degree of elaboration of individual elements in the work of scientists, to find certain regularities, etc.

Regarding the economic sciences in general, and the economic security of the enterprise in particular, the resources of UkrISTEI and NLUV did not fulfill the role of the only source of information, because they did not contain the information (and the dissertation of the beginning of the 2000s and the new incomes that would have already been in the database, but there are no reasons). Different searches on the sites of scientific councils can not be called effective, because for the full analysis it is necessary to first find an up-to-date list of academic councils on the Ministry of Education and Science of Ukraine website, then visit each site, find available abstracts and dissertations, filter by subject / specialty, add to a specific interim table for further analysis and continue on. If in the specialty 21.04.02 at the end of 2018 there are only 4 councils whose sites can be periodically monitored, then from the economic sciences only by specialty 08.00.04 – already 66 councils [16] and the process is rather time consuming. Not to mention the growing interdisciplinarity of research, and work on economic problems in related sciences will no longer be able to be found, the search should be carried out precisely by the key words. Lack of automation in the primary search may lead to incompleteness or falsity of further research, repeatability of work, incorrect definition of scientific novelty, etc.

In addition to the incompleteness of UkrISTEI and NLUV databases and the long search for the sites of academic councils, there is a time factor: the mentioned Order of the Ministry of Education and Science of Ukraine No. 758 of 07/14/2015 sets the deadline for the publication of theses (from 2015) – 10 days before the defense and 3 months after it the work has been on the board site. And often after this period of work is completely removed from online access.

Therefore, a retrospective analysis of theses by 2015 is possible only for abstracts (which are not all in these bases), and after 2015, complicated by this requirement in 3 months – after this time of dissertation may not be available. What caused such an embargo is incomprehensible.

Publications on the defense of the dissertation in the print media (as it is now in the newspaper MESU "Education of Ukraine", before that - in the bulletin "Attestation Bulletin") in general seems inappropriate, since the edition also does not have any system that could be used to streamline the data, sometimes the search for an electronic version of a newspaper file does not work because of its protection from any actions of the reader, etc.

Creation of a single all-Ukrainian repository of dissertations and accompanying materials would help to better define the key categories, disseminate the authors’ work, their recommendations among scientists and all interested persons. (A similar repository on the basis of UkrISTEI was announced in 2015, but its formation is postponed until 2019). In economics, and in every discipline, the study of previous works is a necessary process for determining the relevance and scientific novelty of research. We hope that from 2019 the repository will begin to function.

When forming a sample of theses on economic security, the company considered the widest term - without distribution to financial, tax, social, personnel, environmental; corporate ... types of security and at the enterprise level, not state, region, sector, industry or business / entrepreneurial activity. There were also no tangible topics - risk management / risk management, sanitation, protection / security, crisis / crisis management, bankruptcy, restructuring, etc.

In general, for the further analysis, 205 dissertations were selected on the subject of economic security of the enterprise.

For completeness of the analysis, the criterion is generalized by the universal method «Five Hat Racks»/LATCH [17-19]:

| 2018 | ЕКОНОМІЧНІ ІННОВАЦІЇ |
|------|---------------------|
| Том 20, Вип. 4 (69) | 57 |
Location – the organization of information from different places or sources takes place according to their location (in Table 3, 4, Figure 3 shows the geographical representation of universities and cities);

Alphabet – recognized as one of the easiest ways to organize large amounts of data in the form of a list, dictionary, list of used literature, etc. (Initial data collection was carried out precisely in the alphabetic order - in order to prevent duplication of data from being sorted by the surname, name, patronymic of the authors);

Time – data is grouped as historical processes or data sequence. (Chronology is shown in Figure 2 - Dynamics of protection);

Category – the organization is conducted by the similarity of information, type, color, popularity, grade, etc. (3 categories are chosen: specialty - is reflected in Table 1, Table 2 defines the distribution according to the scientific degree of the doctor / candidate of sciences, Figure 4 shows the branch in the topic);

Hierarchy – data is grouped by value, value, subordination, etc. (Figure 1 shows the frequency of the use of the main terms in the topic of the dissertation, as well as in order to organize the data rating was conducted on the number of protections from the largest to the smallest; in determining the centers of research and consideration only the micro level – the ESE, not the economic security of the state or industry or the region).

In tabl. 1 four areas of knowledge were identified, from which the thesis was defended with the most relevant topics of work – technical, economic, pedagogical sciences and the category "National Security". Mostly protected in the field of economic sciences – 115 works, 99 of them specialty 8.00.04 Economics and management of enterprises (by types of economic activity), as well as 5 more on the same specialty in 2000-2004, but according to the previous code VAK - 08.00.04. In 2008, the speciality was created on April 21, 2002 [20, 21], which is singled out precisely for the research on the economic security of the enterprise by the system approach.

| Distribution of dissertation papers on the ESE for scientific specialties |
|---------------------------------------------------------------|
| Branch of knowledge | Number of defended theses |
| 05 Technical sciences | |
| 05.13.06 Information Technology | 1 |
| 08 Economic Sciences | |
| 08.00.04 Economy and management of enterprises (by types of economic activity) | 99 |
| 08.00.09 Accounting, analysis and audit (by type of economic activity) | 2 |
| 08.00.11 Mathematical methods, models and information technologies in economics | 2 |
| 08.02.04 Economy and management of enterprises (by type of activity) / 08.00.04 | 1 |
| 08.03.02 Economic-mathematical modeling / old code for 08.00.11 | 2 |
| 08.06.01 Economics, organization and management of enterprises / old code for 08.00.04 | 5 |
| 08.06.04 Accounting, analysis and audit / old code for 08.00.09 | 1 |
| 08.07.04 Economy of transport and communication | 2 |
| 08.07.05 Trade and services economy | 1 |
| Total for economics | 115 |
| 13 Pedagogical sciences | |
| 13.00.04 Theory and methodology of vocational education | 1 |
| 21 National security | |
| 21.04.02 Economic security of economic entities (economic sciences) | 88 |
| In general, from all the sciences on the ESE | 205 |

Source: generalized by the author on the basis of data [5-15]

The quantitative distribution according to the criterion of the thesis for the degree of a doctor or a candidate of sciences is given in the table. 2. Specialty 21.04.02 defended 19 doctoral theses from all 88 works, 4 times protection was provided in two specialties – until April 21.02.2008 added three times 08.00.04 Economics and management of enterprises (by types of economic activity) and once 08.00.09 Accounting
accounting, analysis and audit (by type of economic activity). But the majority of doctoral and specialty 21.04.02 and the rest of the specialties are protected by one specialty.

### Table 2

| Specialty | 21.04.02 | others |
|-----------|---------|--------|
| doctors   | 19*     | 11**   |
| candidates| 69      | 106*** |

**Notes:**
* of them, the doctoral dissertation is defended in two specialties: 3 – also at 08.00.04, 1 – 08.00.09
** all by specialty 08.00.04
*** 1 of them are candidate of technical, 1 – pedagogical sciences

*Source:* generalized by the author on the basis of data [5-15]

Summary information on the titles of theses contains 5 main terms with the highest frequency of use: economic security of the enterprise, provision, mechanism, system, management.

As for the main term in the formulation of the topic, then the diagram of rice. 1 clearly demonstrates the orientation and the main difference of specialty 21.04.02 from others in the study of the ESE: the main attention in the works of 21.04.02 focuses on the issues of system formation, on the system of economic security of the enterprise, its formation and functioning (almost half of the theses – 42 or 48% focuses on these aspects), while in other specialties the research is devoted to the economic security of the enterprise (54 works, 46% of the total), its quantitative and qualitative characteristics without considering the concept as a complex of functions ionalyh components, activities, evaluation methods, etc. In the passport of specialty 08.00.04 II. Areas of research: 6. Economic security of entrepreneurial activity. 08.00.03 Economic security of the national economy.

![Frequency of concepts (main term) in the subject of dissertation with the ESE in 2000-2018.](image)

*Source:* generalized by the author on the basis of data [5-15]

Defended theses from the ESE in the period 1991-2000 by the author were not found. The first defense on specialty 21.04.02 took place in 2009. Since 2000, all protection has taken place in other economic specialties, taking into account the industry specificity of the enterprises under investigation, or the method of research – economic and mathematical modeling, accounting, etc. In 2002 and from 2005 to 2007, there were no defenses on the subject of economic security of the company at all. In general, for the period of 2000-2018, 205 dissertations were defended with the ESE, of which 88 – In specialty 21.04.02 (an average of 8 theses a year, at least 4 in 2009 right after the creation of a specialty), 117 in other specialties (on average 6 per year, the least – In 2001 and 2003 for 2 theses). Most protection from 21.04.02 was in 2016 – 13, and from the other – In 16 in
2015. In 2011, 2016, 2017 and 2018 with the EBP in the specialty of 21.04.02, defended more dissertations than other specialties. In 2014, protection was even (Fig. 2).

![Dynamics of defending the dissertation with the ESE by years](image)

**Fig. 2. Dynamics of defending the dissertation with the ESE by years**

*Source:* generalized by the author on the basis of data [5-15]

Tables 3 and 4 provide data on organizations and the number of defended dissertations with the ESE in specialty 21.04.02 and others respectively.

### Table 3

| Universities                                                                 | Specialty                        |
|------------------------------------------------------------------------------|----------------------------------|
| Institute of Industrial Economics of the National Academy of Sciences of Ukraine | 21.04.02 1                      |
| Kyiv National Economic University of Ukraine named after Vadym Hetman          | 21.04.02 3                      |
| National Institute for Strategic Studies                                     | 21.04.02 x                      |
| Lviv State University of Internal Affairs of the Ministry of Internal Affairs of Ukraine | 21.04.02 x                      |
| Kharkiv National University of Municipal Economy named after A. M. Beketov | 21.04.02 2                      |
| Cherkasy National University named after Bogdan Khmelnitsky                   | 21.04.02 x                      |
| East Ukrainian National University named after Volodymyr Dahl                | 21.04.02 6                      |
| University "University of Economics and Law" KROK                          | 21.04.02 39                     |

*Source:* generalized by the author on the basis of [5-16]

*Notes:*
- added specialty 08.00.04, because these universities protected works on the ESE and in this specialty
| Name                                                                 | Number |
|----------------------------------------------------------------------|--------|
| State Economics and Technology Transport University                   | by 1   |
| Dnipropetrovsk State Agrarian and Economic University                 |        |
| Dnipropetrovsk National University of Railway Transport named after V. Lazaryan |        |
| Donetsk Agrarian University                                           |        |
| Donetsk State University of Economics and Trade them. M. Tugan-Baranovsky |        |
| Zhytomyr State Technological University                              |        |
| Zhytomyr National Agroecological University                          |        |
| Kyiv State Academy of Water Transport named after Hetman Petr Konashevich-Sagaidachny, Kiev National University of Trade and Economics |        |
| Kremenchuk National University named after Mikhail Ostrogradsky       |        |
| Lviv National Agrarian University                                     | by 1   |
| Lviv University of Business and Law Interregional Academy of Personnel Management |        |
| Research Institute of Economics                                      |        |
| National Metallurgical Academy of Ukraine                            |        |
| National Aerospace University named after M. Ya. Zhukovsky "Kharkiv Aviation Institute", National Transport University |        |
| Odessa National University of Economics                              |        |
| Taurian National University named after V.I. Vernadsky                |        |
| Ternopil National Economic University                                |        |
| Uman State Pedagogical University named after Pavlo Tychyna           |        |
| Kharkiv State Academy of Railway Transport                           |        |
| Kharkiv: National Automobile and Highway University, Polytechnic Institute |        |
| Dniprovsky National University named after O. Gonchar                | by 2   |
| Zaporizhzhya National University                                     |        |
| Ivano-Frankivsk National Technical University of Oil and Gas         |        |
| Institute of market problems and economic-ecological research        |        |
| Kiev National University of Construction and Architecture             |        |
| Luhansk National Agrarian University                                  |        |
| NAAS of Ukraine, NSC "Institute of Agrarian Economics"               |        |
| National Technical University of Ukraine "Igor Sikorsky Kiev Polytechnic Institute", National University of Life and Environmental Sciences |        |
| Podilsky State Agrarian and Technical University                     |        |
| Sumy State University, Ukrainian Engineering and Pedagogical Academy |        |
| Ukrainian State University of Railway Transport (2010 - Academy)     |        |
| Kharkiv National Technical University of Agriculture named after Petr Vasilenko |        |
| Kyiv National University of Technology and Design                    | by 3   |
| National University of Food Technology                               |        |
| Ternopil National Technical University named after Ivan Puluj         |        |
| Lviv Chamber of Commerce, National Aviation University               | by 4   |
| Odessa National Polytechnic University                               |        |
| Priazovksy State Technical University                                |        |
| Kherson National Technical University                                |        |
| Kharkiv National University of Economics named after S.Kuznets       |        |
| Donetsk National University                                          | by 5   |
| European University                                                  |        |
| Kryvy Rih National University (until 2011 - Kryvy Rih Technical University) |        |
| Khmelnytsky National University                                      |        |

Source: generalized by the author on the basis of data [5-16]
The greatest amount of protection from 21.04.02 at these institutions is explained by the functioning of specialized scholar councils for the protection of doctor's (candidate's) dissertations in the specialty 21.04.02 or their formation in two specialties for the defense of doctoral dissertations (at the Institute of Industry of the National Academy of Sciences, doctoral dissertation Ilyashenko O. V., "Methodological principles of formation and functioning of mechanisms of the system of economic safety of the enterprise" in 2016 is protected by specialties 08.00.04 – economy and management of enterprises (by types and on April 21, 2002 – economic security of economic entities, Vadym Hetman Kyiv National Economic University of Ukraine, Gnilitska L.V. defended the work "Accounting and analytical support for the functioning of the system of economic security of the enterprise" for 21.04.02 and 08.00. 09 «Accounting, analysis and audit (by types of economic activity)». Also in two specialties - in addition to April 21.02.2008 08.00.04 defended works by Lyashenko O.M. and Ovcharenko Ye.V. at Volodymyr Dahl East-Ukrainian National University).

From other specialties on the subject of economic security, enterprises at universities are protected from 1 to 5 dissertations (Table 4). The names of the institutions are given at the time of work protection, without taking into account renaming or reorganization, if this did not happen between the defended theses' defenses.

Geographically, such domestic scientific schools of the EBP: Zaporozhye (Cherep A.V.), Cherkasy, Lugansk / Severodonetsk (the beginning of scientific work in this direction. Kozachenko G.V., Lyashenko O.M., Rossoshanskaya O.V., Ilyashenko O. He.); Kyiv, Lviv (Zhitvko Z.B., Moiseenko I.P., Franchuk V.I., Khoma I.B.), Kharkiv (Otenko I.P., Kavun S.V., Momot T.V.). The map of Ukraine contains scientific schools with the relevant oblast centers (Fig. 3), in which the largest number of dissertations with the EBP are defended in terms of specialties: in Kyiv there are 73 works in general, in Lugansk / Severodonetsk – 29, Kharkiv – 25, Lviv – 13, Donetsk – 12, Dnipropetrovsk and Cherkasy oblasts – 10. Also, 7 dissertations are defended in Odessa and Khmelnitsky, 4 in Ternopil and Kherson, 2 in Zhytomyr, Zaporizhia, Ivano-Frankivsk and Sumy and 1 in Kremenchug, Lutsk and Simferopol.

The section of theses by branches, which are specified in the title of the topic or are considered directly in the work are shown in Fig. 4 for comparison on 21.04.02 and other specialties. "Not defined" means that the topic is not specified in the industry, and in the text of the dissertation, the analysis of enterprises is carried out...
according to other criteria - size, organizational and legal form, innovation and project activity, in the context of several branches of the economy, etc.

In most works in all specialties, the parameter "not defined" is most often encountered. Without it being taken into account in the specialty of 21.04.02 the main 3 parameters are construction, industry and financial entrepreneurship; in part with other specialties, the most often subjects of research are enterprises of agroindustrial complex, industry and transport. This is due to the significant role of these industries in the overall complex of the national economy and the corresponding need to study the economic security of these enterprises, the impact of their financial situation on the state of the industry, region and country.

The agroindustrial complex includes all related sub-sectors (according to the wording of the authors of theses), the industry is classified by type of activity (for example, publishing, printing, forestry, defense, oil and gas, food, brewing, baking, engineering, etc.). To financial intermediation related services for business, incl. audit, insurance, security, etc.

The sector of Hospitality and Hospitality is taken as a hotel and recreational complex, a representation of the tourist and recreational area (hotels / recreational complexes / sanatoria / recreation facilities), therefore hotel and restaurant categories and the general wording "tourist enterprises" in the theme of the dissertation are included.

![Branch distribution of dissertation work with the ESE](image)

**Source:** generalized by the author on the basis of data [5-15]

The division of branches into the sub-sector according to the theses is decoded in Table. 5

It should be noted that from other specialties in the dissertations with the EBO organizations in the field of education and financial entrepreneurship were not investigated, institutions of these sectors of the economy drew the attention of scientists only in specialty 21.04.02.

| Галузь                       | ESE of the enterprise is the number of works |
|------------------------------|---------------------------------------------|
| Agro-industrial complex      |                                             |
| poultry enterprises – 1      | agricultural – 7                            |
| grain market players – 1     | agro-industries – 2                         |
| agroholdings – 1             | agrarian – 4                                |
|                              | enterprises of the agro-food sector – 1     |
|                              | enterprises of the agrarian sector – 1      |
| Construction                 | construction companies – 5                  |
| enterprises of construction holding – 1 | construction – 2 |
|                              | corporate enterprises of the construction industry – 2 |
| Education                    | higher military educational institutions – 1 | x |
|                              | higher education institutions of private ownership – 1 |
|                              | higher education institutions – 2           |
| Trade                        | trading enterprises – 1                     |
|                              | trade enterprises – 3                       |

Fig. 4. Branch distribution of dissertation work with the ESE

Table 5

Details of branches of the national economic complex, enterprises of which are researched in the dissertations with the ESE
### Table: Distribution of Economic Entities

| Sector | Description | Count |
|--------|-------------|-------|
| HoReCa | Enterprises in the sphere of restaurant business | 1 |
| not specified | Corporations | 3 |
| not specified | Innovation and project activity | 2 |
| Industry | Industrial enterprises | 5 |
| Industry | Industrial complex | 1 |
| Industry | Publishing and printing industry | 3 |
| Industry | Mining and Industrial Complex | 1 |
| Industry | Forest industry | 1 |
| Industry | Machine building | 3 |
| Industry | Enterprises of mechanical engineering | 1 |
| Industry | Car-building enterprises | 1 |
| Industry | Transport machine building | 1 |
| Industry | Metallurgical enterprise | 1 |
| Industry | The oil and gas industry of Ukraine | 1 |
| Industry | Defense industry | 1 |
| Industry | Brewing industry | 1 |
| Industry | Meat processing | 1 |
| Industry | Chemical and pharmaceutical industry | 1 |
| Industry | Bakery industry | 1 |
| Transport | Subjects of logistic activity | 1 |
| Transport | of motor transport enterprises | 1 |
| Transport | Transport and forwarding enterprises of Ukraine | 1 |
| Financial Entrepreneurship | Audit entities | 1 |
| Financial Entrepreneurship | Securities traders | 1 |
| Financial Entrepreneurship | Bank 1 / banking institutions | 3 |
| Financial Entrepreneurship | Commercial banks | 1 |
| Financial Entrepreneurship | Joint Investment Institutions | 1 |
| Financial Entrepreneurship | Financial institutions | 1 |
| Financial Entrepreneurship | Insurance companies | 1 |
| Financial Entrepreneurship | Security enterprises | 1 |
| retailers | Retail business corporate networks | 1 |
| tourist enterprises | Tourist enterprises | 3 |
| recreational complex | Recreational complex | 1 |
| strategic importance | Strategic importance | 1 |
| industrial enterprises | Industrial enterprises | 11 |
| Aviation Industry of Ukraine | Aviation Industry of Ukraine | 4 |
| Wine | Wine | 1 |
| producers of soft drinks | Producers of soft drinks | 1 |
| gas transportation | Gas transportation | 1 |
| mining and concentrating | Mining and concentrating | 3 |
| energy | Energy | 1 |
| power generating enterprises | Power generating enterprises | 1 |
| machine building | Machine building | 15 |
| metallurgy | Metallurgy | 1 |
| the oil and gas industry of Ukraine | Oil and gas industry of Ukraine | 1 |
| Food | Food | 4 |
| milk processing | Milk processing | 1 |
| Baby food | Baby food | 1 |
| food industry enterprises | Food industry enterprises | 2 |
| bakery industry (bakery products) | Bakery industry | 1 |
| motor transport company | Motor transport company | 2 |
| Water Transport Enterprises | Water Transport Enterprises | 1 |
| railway transport | Railway transport | 2 |
| railways | Railways | 1 |
| transport enterprises | Transport enterprises | 1 |

**Source:** Generalized by the author on the basis of data [5-15]

At the same time, the provision of economic security, the efficient functioning of ERM systems (enterprise-risk management, the closest in the essence to the Ukrainian research direction on economic security of the enterprise) institutions in the field of financial entrepreneurship (in particular, banks) and institutions of higher education in foreign publications are quite active studied and is the subject of research of many scientific groups.

**Conclusions and perspectives of further research.** Thus, in fact there is a certain repetition of topics and areas of research in various specialties. And although some works clearly distinguish the direction of economic security of economic entities within, for example, mathematical methods and models, and this is justified by the content of research, then other dissertations can often be protected in the specialty 08.00.04, and 21.04.02, and for two at the same time, if applied for the degree of Doctor of Science. In total during the existence of specialty 21.04.02 (since 2008) 88 works were defended, and in the specialty 08.00.04 – 115 works, along with economic, technical, pedagogical sciences and the category "National security" 205 theses. When calculating...
the frequency of concepts in the topics of dissertation work, the difference between specialties and corresponding research within their framework is determined: 21.04.02 is focused on the comprehensive study of system development, international standards on economic security, the interaction of national security and economic security of enterprises, etc.

There has been no detected dynamics in the studies of the economic security of the enterprise in different specialties, there are periods of growth and decline. The institutions in which the largest dissertation on economic security is protected are five domestic universities: Lviv State University of Internal Affairs of the Ministry of Internal Affairs of Ukraine, Kharkiv National University of Municipal Economy named after A.M. Beketov, Cherkassy National University named after Bogdan Khmelnitsky, East Ukrainian National University named after Volodymyr Dahl and the private-sector higher educational institution "KROK University of Economics and Law". Accordingly, geographic centers for studying the economic security of the company were identified by Kyiv, Kharkiv, Dnipropetrovsk, Cherkassy, Lviv, Donetsk and Luhansk regions. Construction, industry and financial entrepreneurship (insurance and auditing companies, banks, etc.), and specialty 08.00.04, and others - agro-industrial complex, industry and transport, are the most popular branches of economic security of enterprises investigated by applicants in the specialty of 21.04.02.

There is a certain inconsistency of research both among domestic scientists and among foreign scientists. Scientific efforts are not coordinated, communication is not carried out sufficiently effectively, even the research directions and not actualized passports of specialties are not aligned. In the future, it is necessary to determine the economic content and essence of the main categories of economic security, to develop the most effective techniques and methods for the provision, evaluation and improvement of the enterprise's economic security system.

**ЛІТЕРАТУРА**

1. Россошанська О. В. Особливості стану дослідницької області проблеми забезпечення економічної безпеки інноваційних проектно-орієнтованих підприємств / О. В. Россошанська // Технологічний аудит та резерви виробництва. – 2013. – № 1 (3). – С. 39-43.

2. Вовченко Р. С. Чинники і загрози фінансовій безпеці банківського сектору національної економіки / Р. С. Вовченко // Фінансово-кредитна діяльність: проблеми теорії та практики. – 2013. – Вип. 1. – С. 75-83.

3. Корчецька Л. О. Філософсько-історичний підхід до вивчення економічної безпеки підприємства / Л. О. Корчецька // Вісник Хмельницького національного університету. Економічні науки. – 2014. – № 3 (3). – С. 104-108.

4. Овчаренко Є. І. Праксеологічний контур поняття підприємства та його економічної безпеки / Є. І. Овчаренко // Економіка і організація управління. – 2014. – Вип. 1-2. – С.191-196.

5. Офіційний сайт Національної бібліотеки імені В.І.Вернадського у межі Інтернет. Система пошуку в електронному каталозі – [Електронний ресурс]. – Режим доступу: http://irbis-nbuv.gov.ua

6. Державний бібліографічний покажчик Українські «Літопис авторефератів дисертацій». – 2014. – № 3. – У двох частинах. Частина 1 (3439—4273) – [Електронний ресурс]. – Режим доступу: www.ukrbook.net/litopys/avtoreferat/2014/L_ad_3_2014.pdf

7. Офіційне видання Міністерства освіти і науки. Спеціальні газети «Освіта України» – [Електронний ресурс]. – Режим доступу: lib.pedpressa.ua/wp-content/uploads/2015/01/Spetsvypusk-zhovten_ -10_2014.pdf

8. УкрІНТЕІ, база даних науково-дослідницьких, дослідно-конструкторських робіт і дисертацій. – Електронний ресурс. – Режим доступу: www.unitei.kiev.ua/viewpage.php?page id=57

9. Оголошення спеціалізованої ради Д 26.130.01 – економічні науки – [Електронний ресурс]. – Режим доступу: http://www.krok.edu.ua/ua/spetsializovani-radi-iz-zakhistu-dysertatsij/d-26-130-01-ekonomichni-nauki/ogoloshennya-d-26-130-01

10.Дисертації, автореферати, відгуки / Електронна бібліотека Університету «Крок» – [Електронний ресурс]. – Режим доступу: http://library.krok.edu.ua/ua/kategorii/disertatsii-avtoreferati-vidguki

11.Оголошення про захист вчена рада К 35.725.04 / ЛьвДУВС – [Електронний ресурс]. – Режим доступу: http://www2.lvduvs.edu.ua/spetsializovani-vcheni-rady

12.Захист дисертацій / Національний інститут стратегічних досліджень – [Електронний ресурс]. – Режим доступу: http://www.niss.gov.ua/zahyst.html
10. Тезиси, відомості, перегляди / Електронна бібліотека Інституту "Крок" – Відправлено з:"http://library.krok.edu.ua/ua/kategorij/dispersatsiyi-avtoreferaty-vidguki[української].
11. Заява про захист дисертації / Національний інститут стратегічних досліджень [Defense of Theses / National Institute for Strategic Studies] – Відправлено з:"http://www.niss.gov.ua/zahyst.html[української].
12. Інформація про проведение захиста / Офіційний веб-сайт спеціалізованої вченої ради D 64.089.01 [Information about the defenses / Official website of the specialized academic council D 64.089.01] – Відправлено з:"radaecon.kname.edu.ua/index.php/diyalnist/informatsiya-pro-provedeni-zakhistiv[української].
13. Економічні науки D 73.053.05 / Сайт Богда Кмельницького Народного Університету Черкаси – Відправлено з:"https://www.cdu.edu.ua/mij-universitet/naukova-j-inovatsijna-diyalnist/spetsializovani-vcheni-rady/ekonomichni-nauky-d-7305305.html[української].
14. Заява про проведение захиста / Міністерство освіти і науки України – Відправлено з:"https://mon.gov.ua/ru/nauka/nauka/atestaciya-kadriv-vishoi-kvalifikaci/ogoloshennya-shodo-zahistiv-disertacji[української].
15. Загальна інформація про спеціалізовані вчено-педагогічні ради / Міністерство освіти і науки України – Відправлено з:"https://www.uazakon.com/documents/date_3w/pg_gnnlwy.htm[української].
16. Вурман, Р. С. (1989). Information Anxiety. New York: Random House. [української]
17. Вурман, Р. С. (2000). Information Anxiety 2. Indianapolis, IN: QUE. [української]
18. Вурман, Р. С. (1996). Information Architects. New York: Graphis. [української]
19. Наказ Міністерства освіти і науки, молоді та спорту України «Про затвердження Переліку наукових спеціальностей» від 14.09.2011 № 1057 зі змінами (Редакція від 15.05.2015) [Order of the Ministry of Education and Science, Youth and Sport of Ukraine “On Approval of the Scientific Specialties List” dated September 14, 2011 No. 1057, amended (Revision from May 15, 2015)] – Відправлено з:"http://zakon4.rada.gov.ua/laws/show/z1133-11[української].
20. Паспорт спеціальності 21.04.02 - економічна безпека суб'єктів господарської діяльності (економічні науки) / Рішення Президії ВАК України 02.07.2008 N 66-08/6 [Passport of speciality 21.04.02 - economic security of economic entities (economic sciences) / Resolution of the Presidium of the Higher Attestation Commission of Ukraine July 7, 2008 No. 66-08 / 6] - Відправлено з:"http://www.uazakon.com/documents/date_3w/pg_gnnlwy.htm[української].