Not everyone has got used yet to the term “information society” and understood its essence, as conversations on its transformation into a Smart-society have already begun. The main Smart-society message is the usage of technologies not for the sake of technologies, but their application for increase of well-being and people's life high-quality indicators. And such an approach is shown to be more and more global tendency.

An active technologies development and computer hardware quantity increasing is not enough for a Smart-society formation: it is necessary to change education and educational technologies paradigm, and such a change will allow preparing people for life in it. The task of training specialists, who will be competent enough to work in such a society, is laid on Smart-university — an institute of higher education, in which the totality of technological innovations and Internet use gives an opportunity to provide new quality of educational, scientific, innovative, pedagogical, social and other activated processes and results. The conceptual basis of Smart-university activity is the presence of considerable educational internet sources quantity, the maximum variety of multimedia resources (audio, graphics and video), which are able to be easily indexed and debugged individually for each student, according to his requirements and level. It is possible to emphasise five key moments, typical for Smart-university: social orientation, mobility, simplicity, technological effectiveness and informatization of tuition management.

Social orientation consists of tuition personalization, individual tuition cards construction, mutual tuition organization, tuition cooperation, projects and game methods application, communications by means of social networks services, etc. Mobility should be understood as access to the educational information by means of mobile devices and their use for scientific research, payment operations, access to educational services and services from any place and in any time. Availability is provided with a unitary point of admission to electronic tuition system, media libraries, information booths, online resources and management of access to these and other resources.

National University of Life and Environmental Sciences of Ukraine on its way to Smart-university creation marks out some development directions. The first one is to provide equal access of the participants of the instructing and educational process to educational and scientific databases, to develop and realize their creative potential due to the use of information and communication technologies. The second one is to form research methodological base of Ukrainian Smart-society at the expense of personnel training, capable to use information society advantages, for the purpose of people's life quality improvement. The third one is to create the distributed electronic environment providing integration of educational information, as well as scientific and innovative information with solving of personnel qualification purpose in the developed information society conditions for professional growth through all the life. And, at last, the fourth direction - to form information culture and network dialogue ethics in the conditions of information society and to guarantee information security of a person and society as a whole.

In NULES of Ukraine all procedures for Smart-university formation are put. First of all, it is necessary to note the distributed electronic environment creation in order to provide educational and scientific activity, institutional knowledge repository (full-text educational and scientific resources [1]), content actualization and knowledge transference to the distributed educational network (an educational portal which works on the basis of CLMS Moodle system and provides electronic support in the form of electronic training courses for each classroom discipline [2]), use of multimedia resources for educational and scientific activity (a video portal which functions on the CMS Joomla basis)[3], active Web 2 technologies usage (environment for collaborative working, teamwork performance with documents, projects, and articles etc. [4]), closely infrastructure (virtualization system with open code on the Debian GNU / Linux basis), access to international scientific databases (AGORA - agriculture and foodstuff quality branches, URAN - natural and technical branches, EBSCO - all the branches of science), and mobile access - these are modern NULES of Ukraine characteristics.

Also the new scientific information base for electronic counseling system, created in our Ukrainian Education and Research Institute of Dataware and Telecommunication Environment and innovative information with solving of personnel qualification purpose in the developed information society conditions for professional growth through all the life. And, at last, the fourth direction - to form information culture and network dialogue ethics in the conditions of information society and to guarantee information security of a person and society as a whole.

The University of Life and Environmental Sciences of Ukraine took the 7th place among national universities. The main factors of its climbing nearly 20 positions up (compared with a rating of mid-2012) was stable filling of the university website, as well as a system of electronic resources with public access, such as educational and informational portal, institutional repositories, open electronic encylopedia EkoAhroViki and other Web resources that are administered and filled by experts of Ukrainian educational institute of information and telecommunication support of agricultural and environmental sectors. We believe that this minor success will be soon developed by our joint efforts.

The university has taken the honorary 7th place among national universities by Webometrics rating.

There are many rating world systems reflecting today the level of universities. It is one of the most well-known academic rating systems based on the representation and influence of universities in the Internet in Webometrics (http://www.webometrics.info).

In the early 2013 the National University of Life and Environmental Sciences of Ukraine took the 7th place among national universities. The main factors of its climbing nearly 20 positions up (compared with a rating of mid-2012) was stable filling of the university website, as well as a system of electronic resources with public access, such as educational and informational portal, institutional repositories, open electronic encylopedia EkoAhroViki and other Web resources that are administered and filled by experts of Ukrainian educational institute of information and telecommunication support of agricultural and environmental sectors. We believe that this minor success will be soon developed by our joint efforts.

Our reference. The main objective of Webometrics rating is assistance in increasing the Web information about universities and their achievements, prominent and promising scientists, as well as providing maximum access to training and scientific resources. Structurally, rating, updated every half a year, consists of the following parameters:

- Size (S) (20% of rating) is the number of pages, indexed by major search systems - Google, Yahoo, Bing.
- Visibility (V) (50% of rating) is the number of unique external links to Web resources, according to Yahoo Site Explorer.
- RTF-files (R) (15% of rating) is index of information and importance for research and publishing activities available on the website of the university and submitted in the formats PDF, PS, DOC, PPT.
- Scholar (C) (15% of rating) is a combination of rating indicators of documents included in Google Scholar and published in 2006-2010, and the global one - in 2004-2008.
WE ARE THE ONES!

NULES of Ukraine – national coordinator of protecting forests from fires in Eastern Europe

The idea of creating the Eastern Regional forest fires monitoring center was in the air for a long time because it was an urgent necessity of time. But the first step was made by our foresters’ initiative only last year. And finally the official unveiling of the REEFMC office occurred at the National University of Life and Environmental Sciences of Ukraine. It is the recognition of everything that our University has made for many years. It is not without reason that the leader of the REEFMC became our colleague – the director of the Institute International Programs the associate professor S. Zibtsev.

- Preconditions for creating the center, that became possible by financial support from the Council of Europe, were the significant changes in the frequency and the impact of natural fires on forests and other ecosystems in the Eurasian region, that took place over the last decade and have caused considerable damage to the environment, have led to economic and ecological damage.

- The main mission of the newly established Center is the coordination of scientific researches, providing of information exchange, training and preparing advisory support on fire management, facilitating the implementation of the results in practice of fire management in Eastern Europe and the developing of the national plan of actions. National experts within the latter should elaborate a conceptual basis of fire-forest strategy of Ukraine and approve it on the national level; to create a scientific research while creating the forum of UN ECE/FAO jointly with Meteorological Agencies and organizations of the Eastern region.

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State Agency of Ukraine on Exclusion zone management, Ukrainian Research Institute of Forestry and Melioration, Stelle Branch of URFITM, Ukrainian State Design and Research Institute of Forestry Management “UKRIF” and Republican Committee of ARC on Forestry and Hunting, Institute of Telecommunication and Global Information Space of the NAS of Ukraine, Boyarka Forestry Research Station were present.

The logical conclusion of the formal part was theoretical and practical seminar “Natural fires in the Eastern Europe regions science, policy and management”, organized jointly with the European and Mediterranean Major Hazards Program (EUM-DR), Advisory Team of forest fires of Economic Commission for Europe (UN ECE/FAO) and UN International Union for Nature Protection (IUNI), experts, politicians and specialists in natural fire-fighting, representatives of non-governamental sector exchanged ideas on the current problems and tasks, prospects of regional cooperation in the Eastern Europe. As a result, the agreed plan of the actions concerning fire management was formulated, and the common vision of the problem solving was developed.

Meeting concerning this problem is “a round table” of inter-agency and regional cooperation in the sphere of fire management in Eastern Europe and the developing of the national plan of actions. National experts within the latter should elaborate a conceptual basis of Fire-forest strategy of Ukraine and approve it on the national level; to create a scientific research while creating the forum of UN ECE/FAO jointly with Meteorological Agencies and organizations of the Eastern region.

The action plan developed at the end of the International Seminar will be contributed to the Fire-forest strategy of the Eastern European countries in preparing the forum of UN ECE/FAO jointly with Trans-boundary Fire Management, which will be held in United Nations Organization in Geneva in November and devoted to strengthening the potential of the fire management in the ecosystems in the UN ECE / Council of Europe.

S. Zibtsev – the director of the Research Institute of Forestry and Landscape Architecture.

SWEET LIFE

Honey – not only with sugar

International Federation of National Associations of Beekeepers “Apimondia” for the first time elected Ukraine as the host of the next World Congress of beekeeping, which will be held in Kyiv in September-October, 2013.

Public associations of beekeepers, scientists and producers are already preparing for this important event. At the university VA. Nesterovskiy chair of beekeeping the Guild of beekeepers of Ukraine conducted the 10th Contest of drinkable honey. The revival of ancient traditions of noble honey use and its products, which is one of the unique features of beekeeping in Ukraine was demonstrated. Technology and quality of products is highly appreciated by the tasting commission, well-known experts, including 4 PhDs were working. The best examples of drinkable (non-alcoholic) products received honorary awards, and some Ukrainian mead-brewers were invited to similar events in Kazakhstan, Germany and other countries. A beekeeper and mead-brewer from Ivano-Frankivsk K.Y. Lyenky was awarded the Grand Prix of honey beverage contest.

Dissemination of knowledge about products and ecology of bees takes different forms. The chair of beekeeping while preparing for the Congress, supported by a wide range of beekeepers are putting together a contemporary collection of botanical varieties of honey from all areas of Ukraine and aims at creating a permanent exhibition of beekeeping products. Tasters selected from submitted 86 samples over 20 delicious products for awarding the best mead-brewers. For many beekeepers this is not the first award. Therefore, in the final part of the competition, together with congratulations to the winners, it was noted that a long tradition of mead-brewing is significantly improved, and drinkable honey takes honorable place in gala events and healthy life of Ukrainians. Conversion of honey into beverage does not diminish its use in primary (natural) form. Apart from pumped out and packed products, cell honey (sectional honey) and enriched biologically active compounds of bee origin have appeared in the market. Over the past 30 years honey production in Ukraine has grown twice, and about two pounds on average per resident are produced today. Our beekeepers are holding the first place in Europe and fourth in the world. Their skill has reached high level in applying technology of integrated use of beekeeping and honey production, which will be held in Kyiv in September-October, 2013.

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Scientometrics in research University

In recent years, vector of European integration policy of state policy of Ukraine in science is gradually coming into force. In particular, we are strengthening our participation in the Bologna process, trying to move to the European standards in evaluating the scientific potential of the state and the individual subjects of scientific activity. In this regard, steps are made towards implementing the quantitative methods of analysing scientific activity in the practice of management of the state scientific complex.

Obviously, the management of any type of activity requires quantitative indices which are of great importance for scientific progress. Axion is in the fact that the basis of any scientific work is preliminary study of information sources and as a result also generates information. Moreover, the openness and accessibility of scientific achievements is a kind of guarantee of their quality.

In these conditions the choice of scientometric data sources for finding scientific information and conducting evaluation studies on corporate and national levels is becoming an urgent necessity. There are two well-known scientometric universal platforms in the world: the Web of Knowledge (WoK) of Thomson Reuters and Scopus Scopus of Elsevier publisher. Both products belong to scientometric publishing corporations that index thousands of periodicals, used worldwide in evaluation projects for publication activity and scientific activity of scientists in analytical and predictive research through regions and science.

Web of Science (WoS) is the foundation for global electronic scientific information environment of Web of Knowledge. It is essentially a concatenation of databases, collected on a single technology platform. The library of this product originates in 1960, when the United States Institute for Scientific information (ISI) created The Science Citation Index. One of the key concepts of scientometric отметил авторства of this platform is the impact factor (index of influence) of scientific publication and citation index of authors’ publications. Impact Factor (IF) is a numerical indicator of the importance of a scientific publication, calculated annually by Thomson Reuters for Scientific Information (ISI).

According to the IF the level of scientific publications, quality of articles published in them is estimated. Impact factor influences the evaluation of scientific works. It is calculated by two-or three-year period.

The method of calculation is simple. For example, IF of any magazine in 2012 IF2012 is calculated as follows: IF2012 = A / B, where:

A: The sum of citations during 2012 (which tracks the Institute for Scientific Information) articles published in this magazine in 2010-2011, B: The sum of articles published in this same period.

Impact factors are calculated for publications from different fields, the analysis of citation indicators in WoS and published in the form of reports, Journal Citations Reports (JCR).

Journal Citations Reports is a bibliometric directory with full and diverse information for scientific publica-
tions, which includes a wide range of indicators of journals used by scientists from different countries. JCR Annual Reports are available in paper form and as a subscription online database of Thomson Reuters.

Citation metrics is the number of references to the works in which the scientist appears as an author or co-author. Citation index is, in fact, the most effective and the currently available indicators of professional success of a scientist.

Scopus is part of an integrated research and information environment SciVerse Scopus (so full official name of the product is SciVerse Scopus) - it is a reference database and scientometric platform, created in 2004 by Dutch Elsevier Publishing Corporation as a product competitive to WoS.

Rubricator Scopus has 27 basic subject sections, divided into 355, polysemic articles are indexed in several sections at a time. Sectorial coverage is distributed as follows: physical sciences - 31% medical sciences - 29%; social humanities - 22% life sciences - 18%.

Scopus Scientometric apparatus provides receiving the citation indexes of scientific papers in scientific journals, published since 1996. Scopus counts the number of links to all indexed resources, but only as a reference, published after this year. Unlike WoS, Scopus does not use the notion of impact factors. Instead, Scopus magazines receive publicly available index.

In Ukraine systematic introduction of citation index as a regulatory estimation parameter of efficiency of the subjects of scientific activity has started four years ago. Today the WoS platform presents 25 Ukrainian scientometric journals and 14 English editions, out of them 6 Ukrainian journals and 13 re-editions being actively indexed in WoS. The Scopus platform presents 53 titles of Ukrainian journals and 16 English re-edicitions (usually without information about Ukrainian publishers). Among them Scopus actively indexed 17 domestic magazines and 16 re-editions.

http://www.nbbu.edu.ua/portal/impact (it is a reference to the impact factor of scientific journals of Ukraine published according to Journal Citation Reports).

In addition, The Vernadsky National Library of Ukraine in early 2009 launched a project tracking scientometric productivity of Ukrainian scientific journals such as: NIS, AHB, NASU and universities, as well as the index of calculating the h-index in the next issue.

The analysis has shown that the values of h-index for 100 the most cited Ukrainian scientists are currently in the range between 9 and 32. The national ranking represents scientists from 39 institutions of Ukraine. By departmental affiliation among the most widely represented institutions: National Academy of Sciences of Ukraine, 75% of scholars in the ranking are employers of 27 aca-
demic institutions. The less is representation of scholars of the higher education establishments: the rating includes no more than 150 scientists from 7 universi-
ties of Ukraine.

By geographical criterions scien-
tists from regions (South - 10%, North - 5,9 - “to reject the title” 6,0-7,9 - “title ambigious” 8.0-10.0 - “to give the title.”)

The difference in the transliteration of names and names of Ukrainian scientists can be explained by taking into account the fact that the WoS citation database has started only since 1996, therefore citing a considerable number of scientific papers with great experience is not taken into account by the system.

As the focus among scientists of Ukraine an overall cita-
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As required by Scopus, a periodical must be indexed with regularity at least once a year.

The key difference of the policy of selecting publications to WoS and Scopus is that these databases index only English. Scopus platform indexes publications regardless of language of a full text, Scopus platform also indexes words that have already been set in its database of standard products, which significantly extends the coverage of publication indexes. Rules for authors can be found on the website of corresponding journal, on which you can navigate through the page for the authors or by “Product Search” on http://www.elsevier.com/. To find a particular journal, you must enter the name in the search box. According to the search result, go to the home page of this magazine, which contains the “Rules for authors”. These links will help future doctor and PhD students to publish their works in foreign journals, since the order of 17.10.2012, № 1112 by Ministry of Education and Science, Youth, and Sports, to get the degree of Doctor of Sciences one must have at least 4 publications, to get the degree of PhD – at least one publication in the database of foreign countries or in Ukrainian publications, which are included in the international scientific databases.

By the way, the scientific journals that are already included in Scimago Scopus database include “Microbiological journal”, whose co-founder is NUIE of Ukraine, as well as “Bioresources and Nature” and “Scientific Bulletin of University of Kyiv “Kyiv Polytechnic Institute” Law” are being on the stage examination regarding their including into the indexation of journal Scopus. Therefore, it is very important to all the co-workers and the university faculty to use the official full name and abbreviation of the university in Ukrainian and English when publishing articles in international and national scientific journals.

Taking into consideration everything mentioned above, the process of entering the international scientometric system is one of the most important tasks, but there are all possibilities to do this by efforts of the university scientists and our partners.

A. Biloja, head of the training and cooperation department, V.V. Shyshkal, assistant professor of the chair of technical services and engineering management technologies.

N. Shevchenko, head of scientific and technical service and engineer P. D. Pshenychnyi, I. I. Martynenko, co-worker of the National Technical University of Ukraine “Kyiv Polytechnic Institute”.

The reality of modern life involves both learning in school, and in particular our university to follow the principles of economy and safety. The quality of education of agrobiotechnological engineering doesn’t stand apart from solving the general university problems. So, such an example of resolving issues of the economy and life safety is an equipment of the household of NE, which the students of our faculty live, with new modern household, gas, plumbing and sanitary devices.

The replacement of electric incandescent bulbs by the energy sav- ing ones has already started. In total it is planned to replace nearly 40 such lamps. The calculation of the savings for replacing incandescent lamps of 100 W by similar energy-saving ones has already started. In total it is planned to replace nearly 40 such lamps with energy-saving lamps. The calculation of the savings for replacing incandescent lamps of 100 W by similar energy-saving ones has already started. The calculations will be done according to the following criteria: the expected 70% of its consumption.

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The considered list of evaluation criteria for Scopus publications is not exhaustive. First of all, a general goal of expert examination - finding new sources that can organically enter the Scopus, enriching the database: by original, qualitative and important scientific information for scientists, is sig- nificant among the international branch abstracts databases, much attention is paid to Eliver publications higher impact factor. Therefore, a list (links to Ukrainian journals included in Scopus), (EMBASE, Ector, Com- pendex, EntComplUTEC, Geno Base), Indexcopernicus http://journals. indexcopernicus.com/masterlist.php?literaustarr&l=30 (links to all the journals included in Index Copernicus).

The author who wish to publish their papers in “Eliver” periodical, in a special online portal Eliver Editorial System (EES) is created, which facilitates the transfer of mate-

Managing

Learning economy

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The country of "green gold"

It's a proper name for Finland, in which I was lucky to be. Finland cov-
ers an area of 358 square kilometers and enjoys the highest popula-
tion density (5.5 per sq. km). This means that this area is inhabited by 4.3 million people, which is situated within the Polar circle, which is longer than in our sunny Ukraine. Finland is not an agrarian country because of its soil-climatic conditions. Only 2.7 million ha of land here can be cultivated - it's only 8% of the general area (let's compare it to Ukraine - 324 million ha). The main crop is grain, the average annual yield of which is 25.6 c/t, and it's in spite of the abun-
dance of acid and poor humus soils with the close bedding of groundwater.

Finns pay special attention to the livestock sector: today the head of livestock numbers 4.5 million of horses, 7.5 million of pigs (in Ukraine - 5.5 and 69 heads). It's interesting that Finland does not have such important forest fuels like oil, gas, and coal, because for any country it's a seri-
ous economic problem. At the same time according to its rates of manufac-
turing of gross domestic product per head Finland leaves behind such pow-
erful developed countries as England, Italy, France, giving in only to Norway, Sweden and Japan. Standards of life here are very high. What does promote that? The country has highly developed shipbuilding and machine building textile, woodworking, paper and mining industries. Annual export reaches 40 billion dollars. The tourism has a large volume. Every year the coun-
try gets from the tourism nearly 1.5 billion dollars of net income.

Procurement and marketing of wood products are also highly developed in Finland. It's some kind of mushrooms, berries, attire, moss and lichen. They are bought for decoration of offices. These procure-
ments cost about 40 million dollars.

This wonderful country of the Baltic Sea has many lakes, bays, islands,

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**OUR HEROES OF THE ANNIVERSARY**

When the head and his collective are one

Friends and colleagues congratulate professor M.H. Chausov, winner of the S.P. Timoshenko award of the National Academy of Sciences of Ukraine, member of the National committee of Ukraine in theoretical and applied mechanics, the excellent student of education, Doctor of Engineering, head of the chair of mechanics and resistance of materials with his 60 year anniversary.

Having gained the diploma of the Moscow aviation institute of S.Ordzhonikidze as a “mechanical engineer of aircraft”, Mykola Heorhiyovych was working for several years as the designer in a design bureau of precise mechanical engineering in Moscow. In 1978 the postgraduate student came to Institute for Problems of Strength of NAS of Ukraine where he subsequently successfully defended candidate and doctor dissertations.

In 2003 Mykola Heorhiyovych connected his life with our university. By the present successes the department of mechanics and resistance of materials is significantly obliged to Mykola Heorhiyovych who was heading the collective for eleven years. It is the case when the head of the collective is inalienable. By rating results for the last three years the department has taken the leading places in the university. He feels free in settling any professional issues and is the author of about 280 publications, among which there are monographs on topical issues of mechanics, textbooks and manuals.

Our hero of the anniversary has introduced in educational process some new disciplines such as biomechanics, intense-deformed status of constructions and a lot of special courses for Masters. As the research manager and a member of two Academic. Senates on Theses Committee, he pays much attention to a professional training of highly qualified staff.

And this is not a complete portrait of his...

A.Boshak, chairman of a trade-union section of the technical training and scientific institute

"Holosiivska Vesna - 2013"

In spite of the fact that March was almost over, there wasn’t any sign of spring in Ukraine, but it is already coming to an end in Holosiiv. The topic is about XXXIII International arts festival "Holosiivska Vesna", which all creative collectives of all training and scientific institutes, preparation faculty of the "Crimean Agrotechnological University" and regional educational establishments were participating. All reporting concerns have already taken place for today, and on March 28, the audience expected for a real holiday - a final concert.

**TALENTS AND SUPPORTERS**

First-year students are the best drafters players

The student organization of biotechnology faculty and the senior tutor of the chair of physical education N.B. Fedorina held drafters tournament between students and instructors. Victor Svyatyuk, Vitaly Kharuk and Yana Vedmid were three first-year students the best.

Friends and instructors pray that the young generation occupy all seats in the university in the nearest future.

**SPORT**

1st place - meat, fish and marine products technology chair

2nd place - animal biochemistry, production quality and safety chair named after Academician M.F. Gulyi

3rd place - chair of mechanics and resistance of materials

4th place - land resources management chair

Last year the NULES of Ukraine for the first time introduced a rating system of evaluating the activity of the university faculty and structural subdivisions by the criteria of a research university. We have been preparing for it for two years - said the first vice rector ViP. Denko. The rating system in the university has been working for a long time. It showed the high effectiveness and stimulates to ongoing progress of scientific and pedagogical workers. It is visible by results shown by the university on the whole. In 2010 by the decision of the country leaders NULES received the status of the research university. So, criteria of assessing the activity began to differ significantly in comparison with regular universities. First of all the research university must show good results in science, it must show connections of science, education, science and production, and it is all reflected in a number of specific criteria. We spent a lot of time for their working off, and only last year these criteria were initiated - and here we have result which confirm the status of the research university. We publish good textbooks, manuals with a signature stamp of the Ministry of Education and sciences of Ukraine. Show achievements in science fixed in the form of patents for inventions and copyright certificates. We are the best here. Certainly, good results in science are possible only through corresponding financing of researches. But there are also problems which are necessary to pay attention to. They primarily concern with the publication of results of scientific research in the editions relating to scientometric databases. Also it is desirable to improve the index of citing of our scientists, these indicators are gradually growing anyway. There is much work to do. It is necessary to define priorities for gaining good results and respective to change criteria in evaluating the activity of scientific and pedagogical workers. In this direction a decision was made to lift an assessment of rating points at one of the last meetings of administration by results of university activity for the last year of the productivity of publications in scientometric bases and citing of our scientists. It, certainly, will attract scientists to this kind of activity. The university leaders hope it will work. Recently the rating of 2012 was summed up by the Training and Research Institutes, chairs and EPS.

Top 5 chairs are ranked in such a way:

1st place - meat, fish and marine products technology chair (total coefficient 2.507).

2nd place - animal biochemistry, production quality and safety chair after Academician M.F. Gulyi (2.503).

3rd place - chair of mechanics and resistance of materials (2.336).

4th place - land resources management chair (2.335).

5th place - chair of power supply after prof. V.A. Synytyk (2.173).