Science, Libraries and Higher Education: Ukrainian landscape

Yaroshenko Tetiana, PhD National University of Kyiv Mohyla Academy, Ukraine

PCII

National University of Kyiv Mohyla Academy

- Founded in 1615 (till 1815)
- Rebirth in 1991
- Oldest University in Ukraine
- 500+ faculty
- 3,500 Students
- In the top of 1% of the Ukrainian University





National University of Kyiv-Mohyla Academy is:

- ✓ The oldest university in Eastern Europe, founded in 1615
 - ✓ The leader of national university rankings
- ✓ A leading member of the Orange Revolution and the Revolution of Dignity
- ✓ An environment of freedom and university autonomy
- ✓ The initiator of reform of higher education in Ukraine

Kyiv-Mohyla Academy academic programs:

- √6 Faculties (Schools)
- ✓32 Departments
- ✓21 Bachelor Degree programs
- ✓ 28 Master Degree programs
- ✓42 Postgraduate programs
- ✓ 11 Doctoral programs Doctoral School (PhD program)
- √35 Research Centers and Laboratories

MISSION

The mission of National University of Kyiv-Mohyla Academy, as a classic university, is to educate citizens and citizen leaders, to maximize their potential as honest, caring, creative individuals who think independently and act responsibly in accordance with ethical behavior and justice,

for the development of an open and democratic society in Ukraine and the world.

VISION

Kyiv-Mohyla Academy, as a research university and leader in innovation, recognized by the international academic community, will continue its mission, and will provide its students an educational experience that is intellectually, socially, and personally transformative, and will continue its historic role to promote a lasting influence on Ukrainian society and the Ukrainian nation.

Kyiv-Mohyla Academy Introduced Innovations in Ukraine:

- Bachelor's Programs (1992)
- Students choices for courses and trajectory of education (Liberal Arts Education -1992)
- A rating system of evaluation for credit based on 100 points (1992)
- A 3 semester academic year (1992)
- A university-based diploma (1995)
- The possibility of a double major and double specialty (1995)
- Two-year Master's programs (1996)
- Doctoral programs based on a Western model (2009). These were the first 5 PhD programs based on a 4-year program at a Doctoral School, without any government support.
- A Digital Version of Diplomas from NaUKMA (2012)
- The Electronic Library of Ukraine (access to electronic academic data bases for a Consortium of Ukraine's universities from a central server) (2010)
- Education in 2 languages Ukrainian and English (applicants are required to pass an English language exam for admission)
- A 100-grade point rating system of evaluation of knowledge

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First in Ukraine to establish Research Centers in collaboration with Western universities in the following fields:

- Social Work
- Ecology
- Public Health
- Business School
- School of Journalism
- Public Administration
- Center of Membrane Technologies
- Genetics and Clinical Biology

We are proud of our historic heritage with 11 architectural historic landmarks on the university's campus:

- Church of the Holy Spirit (1830's)
- Dining Building of Brotherhood Monastery (XVII Century)
- Ancient Academic Corpus built by Ivan Mazepa, 1704
- Church of the Annunciation, 1740
- Circular Corpus (Stepan Kovnir-architect) Ukrainian Baroque, 1756
- Bursa (Dormitory for needy seminarians) 1778-1816
- Abbot's Building, 1781
- Sun clock, end of XVIII Century
- New Academic Building, 1822-1825
- Monastic Cells Building, 1823-1879
- Addition to Monastery Building (Prosfirnia), 1826 p.









The Library – The Heart of the University

- 1.5 million collection of print and electronic editions
- Tatiana Omelian Antonovych Undergraduate Library
- Research Library
- Art Library
- Library of Philology
- Library Center for Polish and European Studies
- B. Kytasty American Library
- Omelian Pritsak Memorial Library
- James Mace Memorial Library
- Library of the Pedagogical Research Center for University Preparation
- ELibUkr Electronic Library of Ukraine (Access to electronic academic data bases to a Consortium of 33 university libraries from a central server at Kyiv Mohyla Library – an initiative of Kyiv Mohyla Academy and Kyiv Mohyla Foundation of America)



Research Centers and Laboratories

- 1. Legacy and Heritage of Kyiv-Mohyla Academy Research Center
- 2. Center of European Humanities Research
- 3. Center for Polish and European Studies
- 4. School of Political Analysis
- 5. Center of Membrane Research
- 6. Institute for Civic Education
- 7. Legal Center for Innovative Methods of Education
- 8. Center of Archaeological Expeditions
- 9. Laboratory for Financial and Economic Research
- 10. Center of Molecular and Cellular Research



Research Center and Laboratories

- 11. Center for the Study of Conflicts and Psychoanalysis
- 12. Center of Testing Technologies
- 13. Center for Interdisciplinary Studies of World Politics
- 14. Research Center of Cinematographic Studies
- 15. Laboratory of Modern Information Technology
- 16. Research Center of History and Culture of East European Jewry
- 17. Center of Communication Transformations
- 18. Research Center of Health and Social Policy
- 19. Laboratory of Genetics and Cell Biology Department of Biology
- 20. Research Center for Intercultural Communication of NaUKMA
- 21. Research Center of Contemporary Literature







Research Center and Laboratories

- 22. Research Center Ecosystems, Climate Change and Sustainable Development
- 23. Centre of Canadian Studies
- 24. Center of Social Partnership and Advocacy
- 25. Omelian Pritsak Center of Oriental Studies
- 26. Center of International Human Rights
- 27. Research Center of the Rule of Law and its Implementation in Ukraine
- 28. Center of Investment Analysts
- 29. Research Center of History Ukraine's State Building in the XX Century
- 30. Research Center of the Ukrainian Famine Holodomor
- 31. Research and Training Center "Innovation Lab"
- 32. Research and Training Center "Institute for Theological Studies."
- 33. Interdisciplinary Research and Education Center of Anti-Corruption
- 34. Research and Training Center "Crimean Studies"
- 35. Rehabilitation Center for Psychological Trauma and PTSD



National University of Kyiv-Mohyla Academy Member of International and Professional Organizations

- Association of European Universities (the first university in Ukraine to become a member)
 CIVITAS International
- Artes Liberalis
- Black Sea Universities Network
- Central and East European Universities Network
- Eurasian Political Studies Network
- Association of universities of graduate

VALUES

- **✓** Individuality
- **√** Humanism
- **✓** Creativity
- ✓ Leadership
- **✓ Quality**
- **✓ Trust**
- **✓** Honesty
- √ National consciousness
- ✓ Democracy Citizen participation





Mykola Leontovych



recognized for composing
 "Shchedryk" in 1904 (which premiered in 1916),

known to the English-speaking world as "Carol of the Bells" or "Ring, Christmas Bells"

Ukraine



- Population 46,011,300
- Area 603,628 km
- Official language Ukrainian
- Kyiv the capital

History:

- Human settlement in the territory of Ukraine dates back to at least 4500 BC, Neolithic Cucuteni-Trypillian Culture
- Kievan Rus from the 9th century

Ukraine under Russian Empire

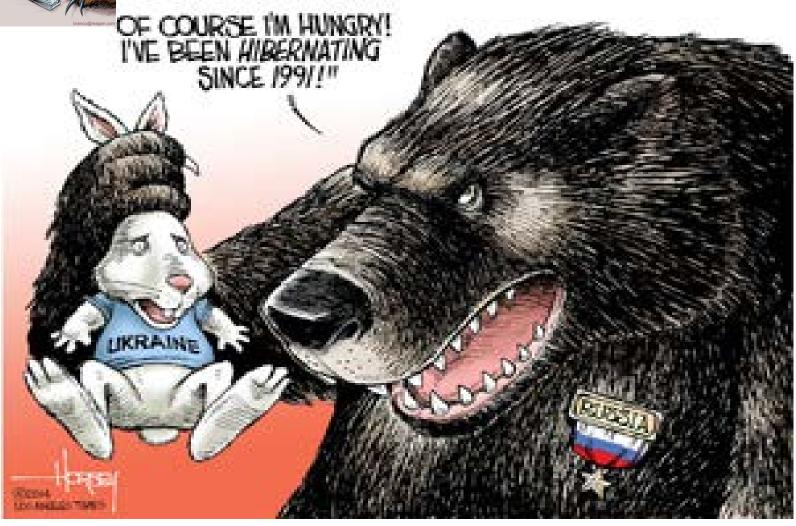
- > From 18 centure
- > 1919-1991 Soviet Union
- Great Famine (Holodomor) 7 mln.Ukrainains have died
 - > Stalin era



















Ukraine – is a important producer of scientific data

Igor Sikorsky (1889 –1972) - pioneer of aviation, the father of helicopter Ivan Pulyui (1845-1918) - physicist, early developer of the use of X-rays for medical imaging

Boris Grabovsky (1901-1966) – engineer, the first fully electronic TV transmitting tube
Sergey Lebedev (1902-1974) – the first computer in Europe







Ukraine – is a important producer of scientific data

Sergey Korolyov (1906-1966) - father of practical astronautics, the pioneer aerospace engineer and the lead Soviet rocket engineer and spacecraft designer during the Space Race between the United States and the Soviet Union in the 1950s and 1960s.

Stephen P. Timoshenko (1878-1972) - he father of modern engineering mechanics, elasticity and strength of materials

Yuri Kondratyuk (1897–1942), a Ukrainian pioneer of astronautics and spaceflight. He was a theoretician and a visionary who, in the early twentieth century, foresaw ways of reaching the moon. The author of the so called "Kondratiuk route" - was travelled by the space shattles Apolo on the way to the Moon.

Mykola Amosov (1913-2002) – a heart surgeon, first at world inventions of several surgical procedures for treating heart defects









The Ukrainian-made

Antonov An-225 Mriya (Dream)

(1988)
is the largest aircraft ever built



Science in Ukraine

National Academy of Science

- 119 Research Institutes
- 47,7 thousand scholars



Ministry of Science and Education

- 800+ higher educational institutions
- 351 Universities
- Appr. 2,8 mln. students

According to the Ukrainian constitution, access to free education is granted to all citizens.

- Complete general secondary education is compulsory in the state schools which constitute the overwhelming majority.
- Free higher education in state and communal educational establishments is provided on a competitive basis.
- The literacy rate is an estimated 99.4%.

The Ukrainian higher education system comprises higher educational establishments, scientific and methodological facilities under national, municipal and self-governing bodies in charge of education

- ➤ Ukraine produces the fourth largest number of postsecondary graduates in Europe, while being ranked seventh in population.
- Higher education is either state funded or private
- > Students that study at state expense receive a standard scholarship if their average marks at the end-of-term exams and differentiated test suffice.
- ➤ Ukrainian universities confer two degrees: the bachelor's degree (4 years) and the master's degree (5–6th year), in accordance with the Bologna process.

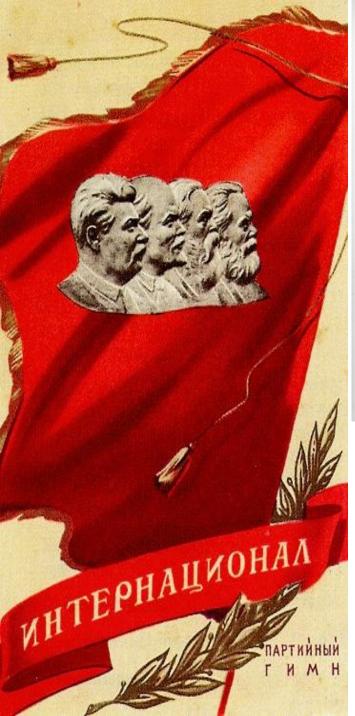
The Law of Ukraine On Higher Education (2014)

- a separate collegiate body to monitor the quality of education;
- each higher education institution has the right to implement its own educational and research programs;
- role of the student government was increased;
- higher education institution has the right freely administer own revenues;
- 5 following types of higher education qualifications were established: Junior Bachelor, Bachelor, Master, Doctor of Philosophy (PhD) and Doctor of Science;
- load on lecturers and students was reduced;
- academic mobility for faculty and students etc.

Libraries in Ukraine

- •The oldest Library The Library of Yaroslav the Wise the first state library of Kiev Rus (1037)
- Monastery Libraries Kyevo-Pechersky, Kyevo-Mezhyhirsky, Chernigiv and Pochayiv (from the11th century)
 - Libraries of Lviv, Kyiv, Chernigiv, Lutsk, Ostrog Brotherhoods (the16th-17th centuries)
 - •The oldest **Universities Libraries** in Lviv (1608), Kyiv Mohyla Academy (1615), Kharkiv (1805), Odessa (1817), Kyiv (1834), Chernivtsi (1852)...











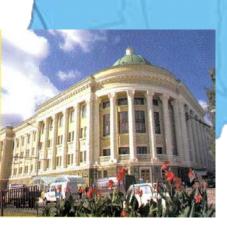












•25 000 +

•18 000 – public libraries

•800 + - universities

libraries



•Total book collection –

400 mln.vol.





Ukrainian Libraries from 1991

"New library policies in Ukraine based on free access to ideas, library materials and services. Intellectual freedom issues are the basis on contemporary library and information policies in Ukraine "

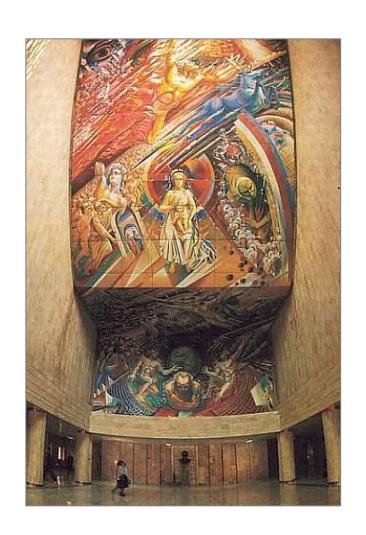
Libraries and Intellectual Freedom: Ukraine – FAIFE World Report, IFLA, 2003

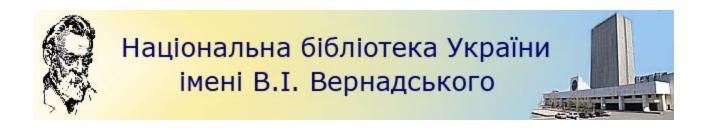


Ukrainian Library Association (found.1995)

V. Vernadsky National Library of Ukraine

- 1918
- The largest library in Ukraine
- one of the main scientific information centers of the Eastern Europe
- 15 millions volumes





Institute of manuscript (over 500 thousands units of handwritten materials)

Kyiv Glagolic Leaflets
(Kyivs'ki glagolichni lystky)
IX-X centuries

The oldest Slavic translation of the Latin **Missal or Sacramentarium** (the part sang by the priest)

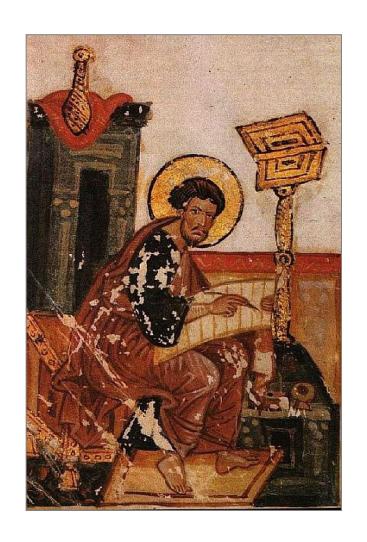




Our treasures

Orshan Gospel (Orshans'ke Evangelie) XIII century

The first manuscript written in the Eastern Ukraine





Our treasures

Peresopnytsa Gospel (Peresopnytske Yevanheliie) XVI century

Sacred relic of the Ukrainian people, which became the symbol of the Ukrainian spirituality

Four Ukrainian Presidents took the oath of office on the evangelistary





Національна бібліотека України імені В.І. Вернадського

Hetman Pylyp Orlyk's Constitution

The first Constitution of Ukraine (1710) Contental Secretion transmin

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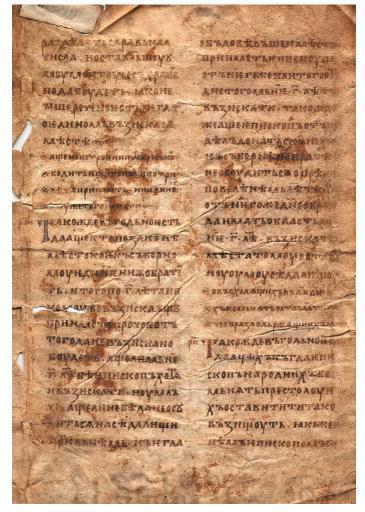
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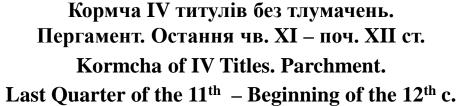
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VASYL STEFANYK NATIONAL SCIENTIFIC LIBRARY OF UKRAINE in Lviv



- 8 mln. Volumes
- unique collections of incunabula, paleotypes and other old-printed books of 15th -19th c. (250,000)
- Ukrainian and foreign periodicals of 19th
 – first half of 20th c. (3 mln)
- maps of 16th -17th c. (20,000 +)
- Ukrainian and world art of 16th-beginning of 20th c.: engravings, drafts, watercolors, gouache paintings, printed music and works of foreign composers (350,000+)
- manuscript documents of 11th-20th c. (140,000 of archival units)







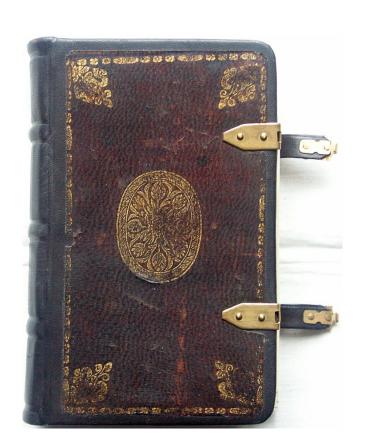
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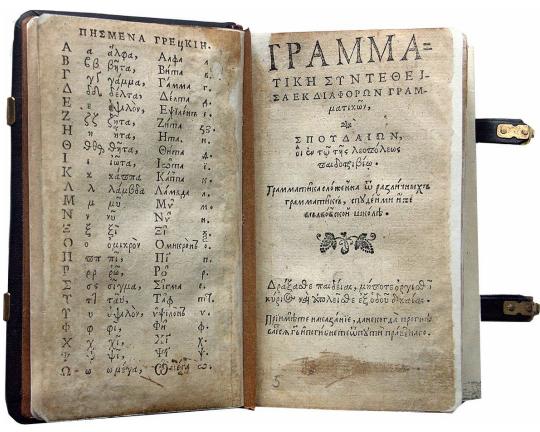






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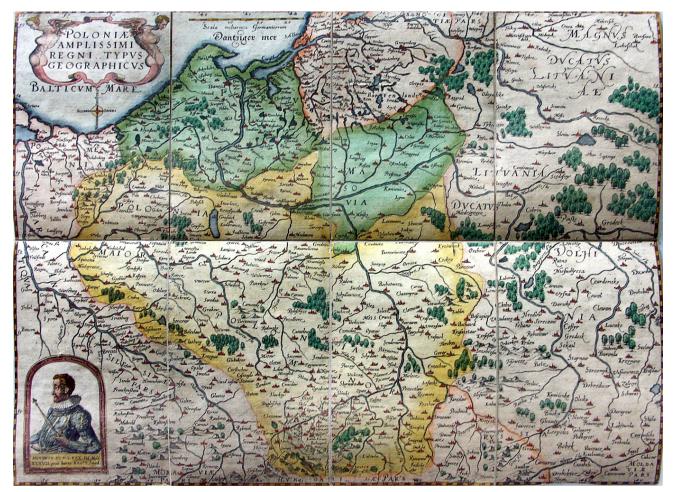






ΑΔΕΛΦΟΤΗΣ. Грамматика доброглаголиваго еллинословенскаго язика. – Львів: друк. Ставропігійського братства, 1591 р.

ΑΔΕΛΦΟΤΗΣ (Adelphotes). A Grammar of the Greek Language.- Lviv: Stavropegial Brotherhood Printing House, 1591.

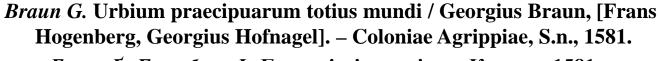


Jode G. de. Poloniae amplissimi regni typvs geographicvs / [Gerard de Jode]. – Scala milliarium Germanicorum. – [Antwerpia: Paschasie de Jode, Cornelis de Jode, 1593]. Йоде Г. де. Географічна карта найбагатшого королівства Польщі. – Антверпен, 1593.

Jode G. de. Geographical Map of the richest Kingdom of Poland. – Antwerp, 1593.







Браун І., Готенберт Ф. Головні міста світу. – Кьольн, 1581р.

Braun G., Hogenberg F. Principal Cities of the World.- Cologne, 1581.





Project Participation

Partner: The Ossolinski National Institute (Wroclaw, Poland)

Project start: 2004

Subject: digitalization of manuscripts documents:

Polish archives in VSNSL of Ukraine in Lviv

Ukrainian archives in The ONI

Amount of digitalized units: more than 2 millions

Partner: Hill Museum and Manuscript Library of St. John's

Abbey and University in Collegeville, MN (USA)

Project start: 2007

Subject: digitalization of religious manuscript codices

Amount of digitalized units: 700 codices (more than 250,000 sheets)



World Digital Library – since 2010









National libraries

National Parliamentary Library



•Founded 1882

Main Library for all
Public libraries
Information Center for
Ukrainian Parliament







Ukrainian Book Chamber



179 000 scholars

- 84,4 Doctors of Science
- 1500+ journals
- **170 000 articles** annually

BUT:

- Circulation for print journals - 200-300 copies
- 90% only in Ukrainian
- Web of Science only
- SCOPUS 60
- University Libraries can't subscribé foreign journals...

"Well, in our country," said Alice, still panting a little, "you'd generally get to somewhere else--if you ran very fast for a long time, as we've been doing." -" slow sort of country!" said the Queen. "Now, here, you see, it takes all the running you can do, to keep in the same place... If you want to get somewhere else, you must run at least twice

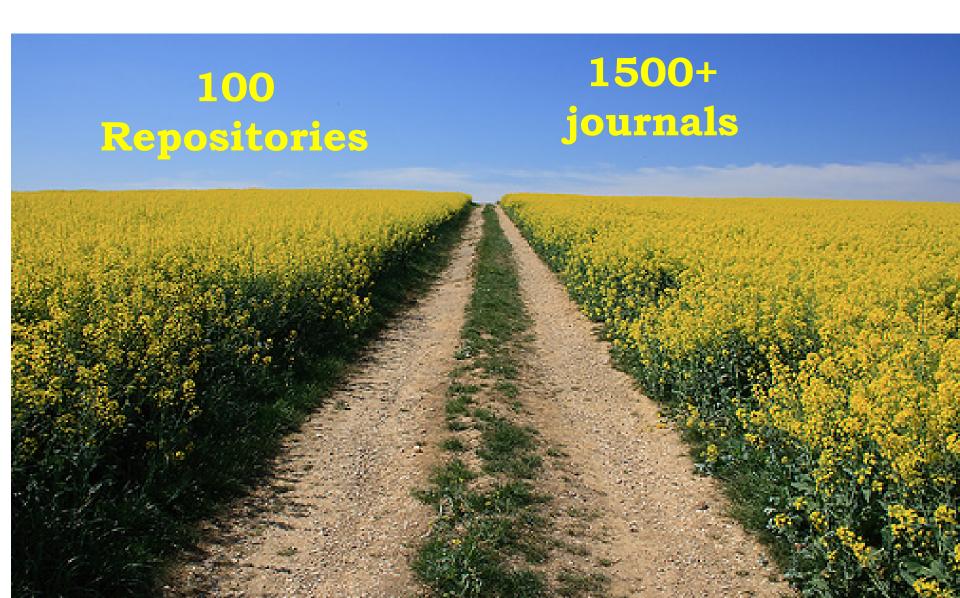
as fast as that!"



Open Access

- Strong growth in availability of OA publishing options and their take-up
 - 2/3 of world journals offer immediate OA option
 - Immediate OA accounted for 17% of global articles in 2014
 - 27% world articles available by 24 months after publication
- 3,045 OA repositories globally
- 9,186 peer reviewed OA journals globally

OA in UKRAINE





OA mandates

- The Parliament of Ukraine (2007) the Law of Ukraine "On the principles of Developing Information Society in Ukraine in 2007-2015
- "open access to research outputs created with the funding from the state budget of Ukraine"



Open Access to Knowledge University Libraries Statement (2009)

- 2007 OA mandate in the World
- Appeal to Ukrainian government, researchers, Universities and research institutions, academic journal publishers, university libraries



Olvia declaration of the Universities in Ukraine: Academic Freedom, University Autonomy, Science and Education for Sustainable Development

- Academic freedom includes open access to information through the development of open repositories and open access journals ...
- Open access to information is a significant part of the research in today's globalised world, a key to further development of science, education and society, and Ukraine's integration into the global academic community



The national repository of scientific periodicals 250,000 open access articles from 1,500 academic journals

Наукова періодика України

(журнали та збірники наукових праць)

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Сторінка відкритого доступу до результатів наукових досліджень, створених за рахунок коштів Державного бюджету України

АБВГДЕЄЖЗІКЛМНОПРСТУФХЦЧШЩЭЮЯА—Z

- 1. Авіаційно-космічна техніка і технологія
- 2. Автоматизация судовых технических средств
- 3. Автоматика. Автоматизація. Електротехнічні комплекси та системи

G

- 4. Автоматическая сварка**
- 5. Автомобильный транспорт
- 6. Автомобільні дороги і дорожнє будівництво
- 7. Аграрний вісник Причорномор'я (6 серій)
- 8. Агробіологія
- 9. Агроекологічний журнал
- 10. Агроінком
- Агросвіт
- 12. Агрохімія і грунтознавство

<u>Періодика</u> <u>НАН України</u>



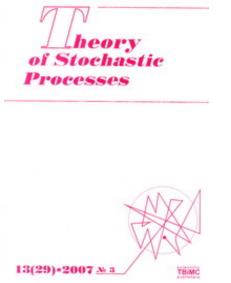
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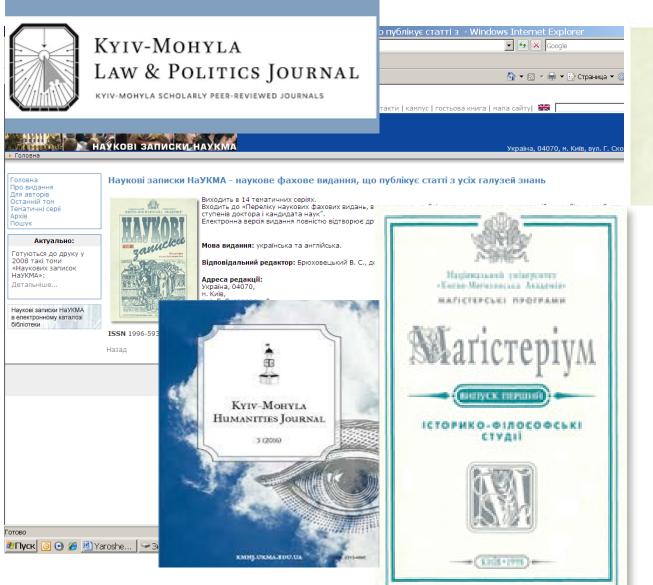


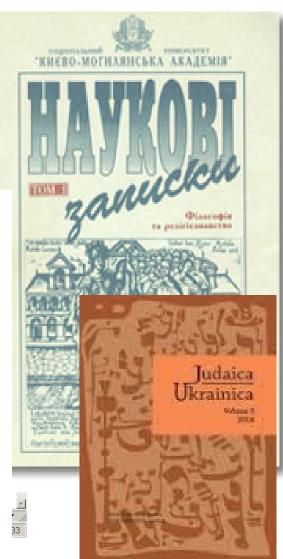


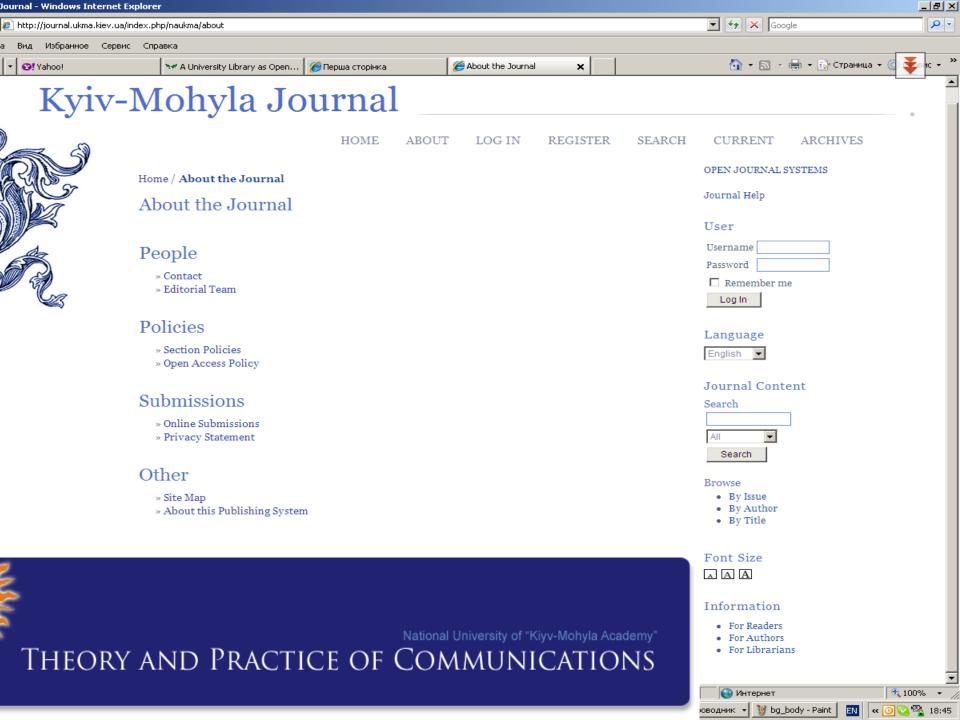
60 Ukrainian journals



NaUKMA Journals







eKMAIR

Electronic Kyiv-Mohyla Academy Institutional Repository

eKMAIR

Electronic Kyiv-Mohyla Academy Institutional Repository

Електронний архів Національного університету "Києво-Могилянська академія"

Кисво-Могилянська академія вічна

eKMAIR > Пошук у бібліотеці Перейти Розширений пошук Пошук Головна сторінка Введіть ключові слова для пошуку в бібліотеці. Перегляд Перейти Спільноти та Колекції Спільноти eKMAIR Назви Виберіть спільноту для перегляду її колекцій. Автори <u>Теми</u>

Колекція науковців НаУКМА

Tootopuŭ postini

<u>Кафедра екології Факультету природничих наук</u> <u>Кафедра історії Факультету гуманітарних наук</u>

Кафедра політології Факультету соціальних наук і соціа

Бібліотека

Зареєстрованим:

🕑 За датою

Отримувати оновлення по e-mail БЛІОТЕКА УКРАЇНИ























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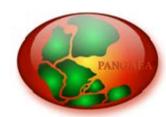














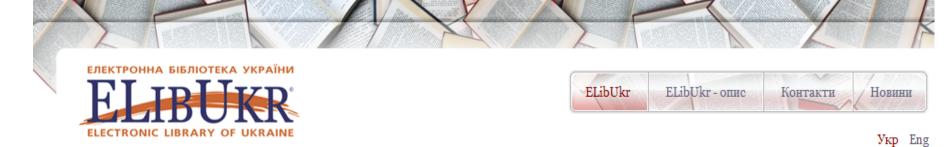




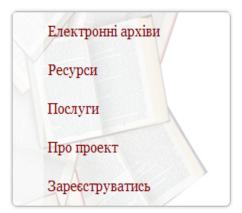




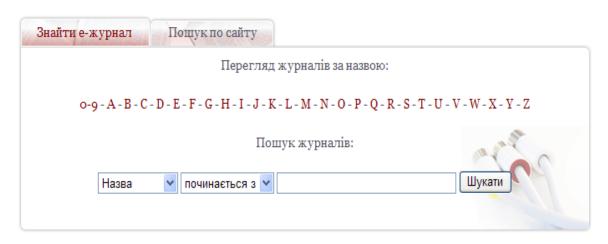
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Всі ресурси та послуги порталу ELibUkr Ви (

(відкритий електронний архів)



BIBLIOMIST





- •\$25 mln. Bill and Melinda Gates Programme (since 2009)
- modernizing access to information in public libraries (Equipping 1,500 public libraries +, Trainings)



Library Electronic Access Project

- US Government projects on linking public libraries to the Internet (since 2001)
- \$1,500,000
- 150 public libraries in Ukraine
- The goal of this program is to support Ukrainian citizens' access to information, a cornerstone of democracy







LEAP Centers in Ukraine





Thank you! Questions?

yaroshenko[at]ukma.edu.ua

www.ukma.kiev.ua



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