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Open scholarship developments in education and science

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Institution for Scientific Information (ISI)
Vietnam Academy of Science and Technology (VAST)

Committee of the *COAR Asia Open Access Meeting 2021*

Open Scholarship Developments in Education and Science

Ms. Chu Thi Ngan
Vice Head of Department of Scientific Document Archives (ISI-VAST)

CONTENT

- Open Educational Resources in Vietnam
- Scientific Resources for Research Activities in VAST

Open Educational Resources in Vietnam

Open Educational Resources (OER)

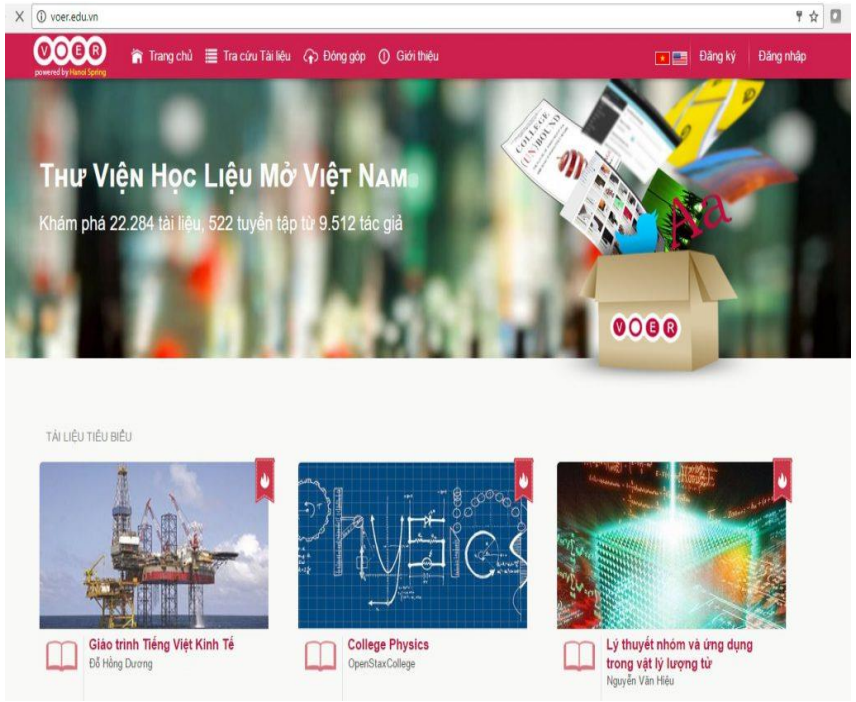
The idea of open educational resources (OER) has numerous working definitions. The term was first coined at UNESCO's 2002 Forum on Open Courseware and designates: **“Teaching, learning and research materials in any medium, digital or otherwise, that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions. Open licensing is built within the existing framework of intellectual property rights as defined by relevant international conventions and respects the authorship of the work”**

5R activities/permissions were proposed by David Wiley, which include:

1. Retain
2. Resue
3. Revise
4. Remix
5. Redistribute

Open Educational Resources in Vietnam

- The Vietnam Foundation supports an establishment of Vietnam Open Educational Resources website to serve as a central resource for Vietnamese professors, faculty, students and self- learners in higher education https://voer.edu.vn/



Vietnam Open Educational Resources (VOER) aims to build Open Educational Resources in Vietnam for Vietnamese people with generous contents that can use, reuse and access free in teaching, learning and researching environment. It also provide reference textbooks for university education under the credit program of the Ministry of Education and Training. There are collections of 22,173 documents, 518 collections from 8,069 authors following the Creative Commons Attribution 3.0 license unless otherwise noted.

Open Education Resources in Vietnam

In 2019, there were approximately 237 universities located in Vietnam, indicating no change from the previous year. In that year, there were 172 public universities and 65 private universities in the country.

VNU Library

VNU Library provides on-the-spot reading, home borrowing, interlibrary borrowing, web searching instructions, online database and information searching at the reader's request services.

RMIT Vietnam Library

The library houses over 700,000 offline and online resources and hosts several archives and digital exhibitions. It is one of the largest English language libraries in Vietnam.

Vietnam National University Digital Repository

VNU LIC's institutional repository (Vietnam National University Digital Repository) ranked 96th among 2,986 global institutional repositories, climbing 78 places from the 174th place in 2019 and maintaining top position in Vietnam.

TRANSPARENT RANKING: Institutional Repositories by Google Scholar (February 2020)

TRANSPARENT RANKING: Institutional Repositories by Google Scholar

8th Edition (February 2020)

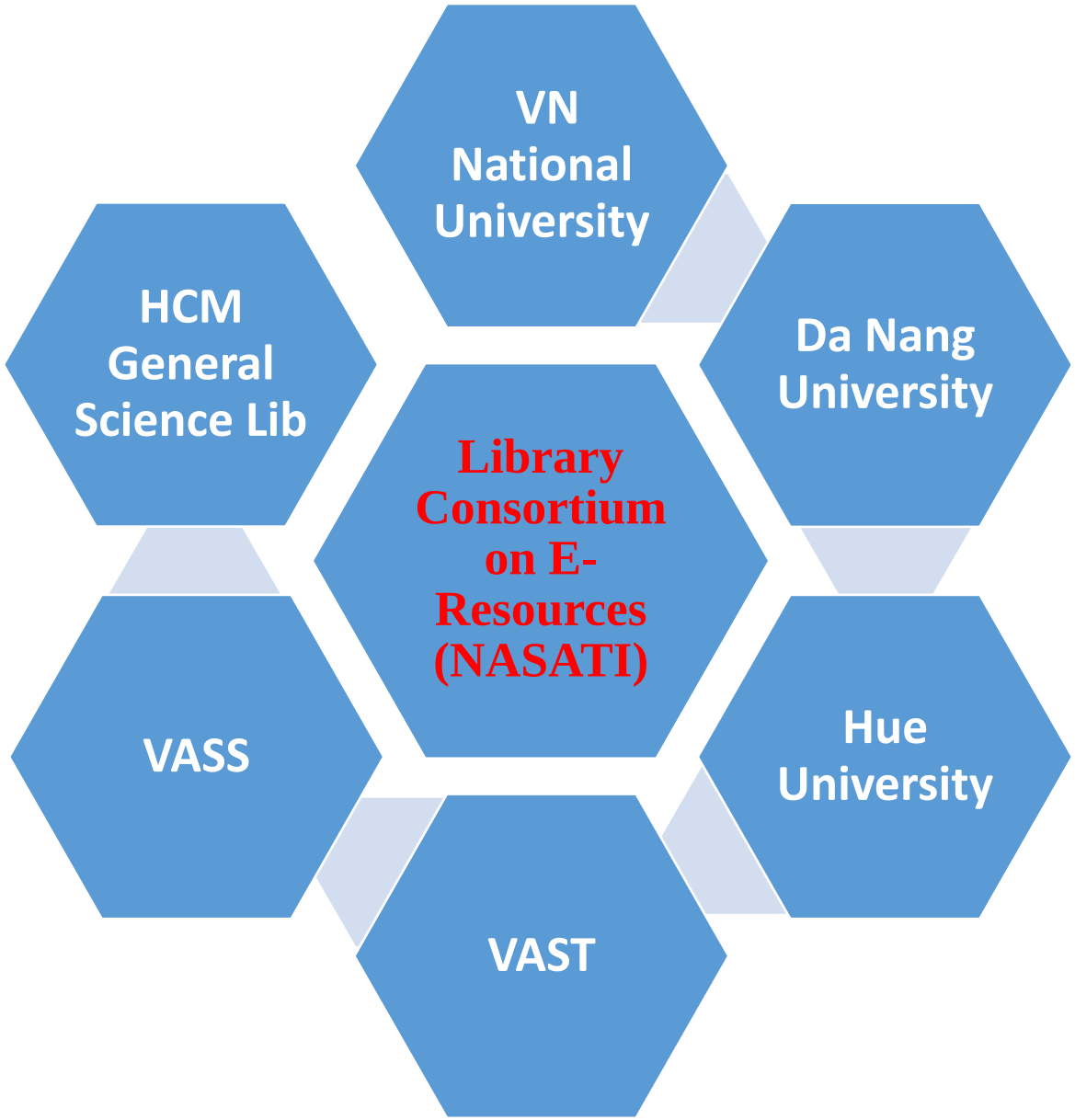
CSIC Powered by Google scholar

TRANSPARENT RANKINGS

ALL REPOSITORIES | INSTITUTIONAL REPOSITORIES | PORTALS OF JOURNALS | CRIS

RANK	INSTITUTIONAL REPOSITORIES	RECORDS
90	Universitat de Barcelona Diposit Digital	30100
93	Goteborg University Open Archive	30000
94	Jyväskylä University Digital Archive	29700
94	Siberian Federal University Digital Repository	29700
94	Vietnam National University Digital Repository	29700
97	Repository Universitas Pendidikan indonesia / Indonesia University of Education	29600
98	Queensland University of Technology Institutional Repository	29300
99	Georgia Tech's Institutional Repository	29200
100	Agritrop CIRAD publications	28900

Library Consortium on E-Resources



Conference on Policy Advocacy on OER development in higher education in Viet Nam

Viet Nam's Open Educational Resources (OER) Community call on action to promote OER in higher education in Viet Nam

- **Hanoi, 28 September 2016 – Vietnamese universities, Union of Libraries, Research centers and Information Technology (IT) corporations and the Vietnam Foundation developed recommendations for the Government, related ministries and educational institutions on developing OER policy and strategic mechanisms to further promote OER in higher education in Viet Nam.**

Seminar on Open Educational Resources (OERs) and Digital Repositories

RMIT Vietnam facilitates discussion on open educational resources on 15 November 2019

Its aim to facilitate sharing and collaboration among Vietnamese universities Libraries in the emerging areas of open educational resources and open repositories

Seminar delegates at Saigon South campus

Seminar delegates at Hanoi City campus

Third National Conference on Open Educational Resources in Vietnam

The third National OER Conference with the theme of "*Implementing Open Education Resources: Copyright and License*" was organized by the University of Social Sciences and Humanities (USSH) in coordination with UNESCO.

More than 70 participants attended the Conference, including representatives from the Ministry of Information and Communications, Ministry of Culture, Ministry of Science and Technology, institutions of higher education, library associations, international and national NGOs and organizations.

Scientific Resources for Research Activities in VAST

Organization of VAST

Vietnam Academy of Science and Technology has 51 subordinate units, including:

- 33 Research Units
- 06 Administrative Units
- 07 Other Units: ISI (Institute for Scientific Information), 01 Universitty (USTH), 01 Graduate Universtity (GUST)
- 04 Self-financing Units
- 01 State Enterprise.

All of these are main in Hanoi, Phu Tho, Haiphong, HoChiMinh city, Nhatrang, Dalat, Hue.

HUMAN RESOURCES

3.577

STAFF MEMBERS

2.378

PERMANENT STAFF MEMBERS

51

PROFESSORS

164

ASSOCIATE PROFESSORS

933

DOCTORS
DOCTORS OF SCIENCE

930

MASTERS OF SCIENCE

238

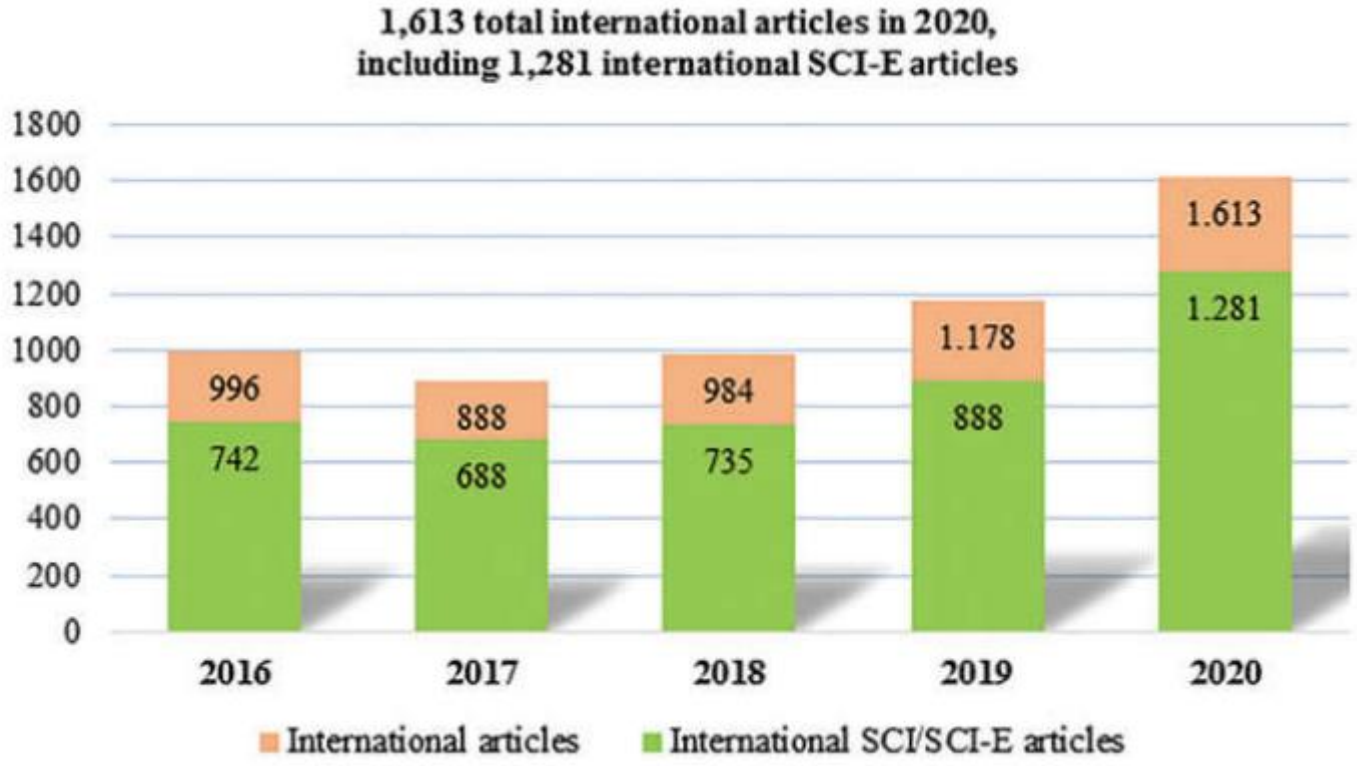
HIGH-LEVEL RESEARCHERS

673

MAIN RESEARCHERS

Scientific Achievements

- VAST has achieved good results with a total of 2544 scientific publication of which the international articles is 1613 in 2020.
- The number of articles in the prestigious international journals (SCI-E) was 1281 in 2020, an increase of 44,5% compared to 2019.



Bar chart of the international articles and international SCI/SCI-E articles of VAST (2016 - 2020)

USTH (University of Science & Technology of Hanoi)

USTH is the first public university of excellence in Vietnam established within the framework of the Intergovernmental Agreement between Vietnam and France. The total of USTH's Bachelor, Master and PHD students is 1,225, including 1,104 Bachelor, 98 Master and 23 PHD.

USTH's students practicing in the lab

GUST (Graduate of University of Science and Technology)

GRADUATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Currently, Graduate University of Science and Technology is providing intensive training programs to offer Ph.D. Degrees in 52 specialized disciplines and Master Degrees in 14 specialized disciplines in 12 different scientific and technological faculties.

In 2020, GUST trains 1,224 graduate students, including 603 Master's students in 07 faculties and 621 PhD students in 12 faculties.

ISI-VAST

Building of ISI

- ISI is a focal point center in VAST network of S&T (science & technology) information service
- ISI provides freely access of S&T resources served for all VAST's staff members and students as well.
- Resources of VAST mainly in ISI includes VAST's e-library and ISI digital repository

E- VAST Library

Portal: http://elib.isivast.org.vn

Total users: 2613

VIỆN HÀN LÂM KHOA HỌC VÀ CÔNG NGHỆ VIỆT NAM

TRUNG TÂM THÔNG TIN TƯ LIỆU

THƯ VIỆN SỐ

Khách | Góc nghiên cứu | Tài khoản của tôi | Đăng nhập

Tìm mới | Cơ sở dữ liệu | Tạp chí điện tử | Sách điện tử | Liên kết trích dẫn | Trợ giúp | Ngôn ngữ: Tiếng Việt

Tìm | Tìm kiếm nâng cao

Giới hạn tìm kiếm: Tất cả các loại | chứa các từ hỏi | Mọi nơi trong biểu ghi

Dịch vụ phát hiện tài nguyên học tập và nghiên cứu

Hệ thống tìm kiếm và phát hiện tài nguyên điện tử phục vụ nghiên cứu của Viện Hàn lâm Khoa học và Công nghệ Việt Nam (VAST), bao gồm kết nối tìm kiếm nhiều cơ sở dữ liệu xuất bản trực tuyến phục vụ học tập và nghiên cứu tích hợp quy mô lớn chỉ mục trong môi trường điện toán đám mây, bao phủ hàng trăm triệu xuất bản điện tử quan trọng ở phạm vi toàn cầu và khu vực với hàng trăm nghìn biểu ghi kết nối tới toàn văn được lựa chọn và sẵn có cho kích hoạt phù hợp. Những tài nguyên điện tử này là các bài báo tạp chí khoa học, sách điện tử, bình xét, tài liệu pháp lý, bộ dữ liệu nghiên cứu, kỷ yếu hội nghị khoa học, báo cáo kỹ thuật, luận văn và nhiều loại hình tài liệu khác được thu hoạch từ các nhà xuất bản gốc, nhà xuất bản cấp hai, và nhà tích hợp nội dung, cũng như từ kho số truy cập mở sẵn có trực tuyến của hàng trăm trường đại học trên thế giới.

Bạn đang tìm kiếm gì?

Hệ thống được triển khai với một hộp tìm kiếm duy nhất sẽ là một công cụ tuyệt vời để tìm kiếm tài nguyên học tập và nghiên cứu từ nhiều nguồn nghiên cứu khác nhau trong cùng một giao diện. Bạn có thể sử dụng hộp tìm kiếm chung này nếu bạn muốn:

- tìm kiếm một nhan đề tài liệu cụ thể, bất kể nó là sách hay một bài báo nghiên cứu sẵn có
- tìm kiếm kết hợp cả sách, bài báo, sách điện tử… theo một chủ đề nào đó hoặc
- đơn giản khởi đầu một phát hiện tài nguyên cho nghiên cứu

Đường link truy cập các nguồn tài liệu hiện có theo 2 cách truy cập như sau:

Nguồn tài liệu	Cách 1: Truy cập qua Thư viện số (Trung tâm Thông tin – Tư liệu) Kích vào logo bên dưới	Cách 2: Truy cập trực tiếp NXB không qua Thư viện số (*) Chỉ có tác dụng đối với các đơn vị đã đăng ký IP tĩnh để truy cập
TẠP CHÍ ĐIỆN TỬ		
Elsevier	ScienceDirect	(*) https://www.sciencedirect.com/...
SpringerLink	Springer	(*) https://link.springer.com/...
American Physical Society (APS)	APS physics	(*) https://journals.aps.org/...

E-VAST Library

Including 70 e-book titles from Elsevier and 3.720 e-journals from different providers, has purchased access rights by VAST's budget since 1996.

2314

1462

38

68

1900

MathSciNet, abstract

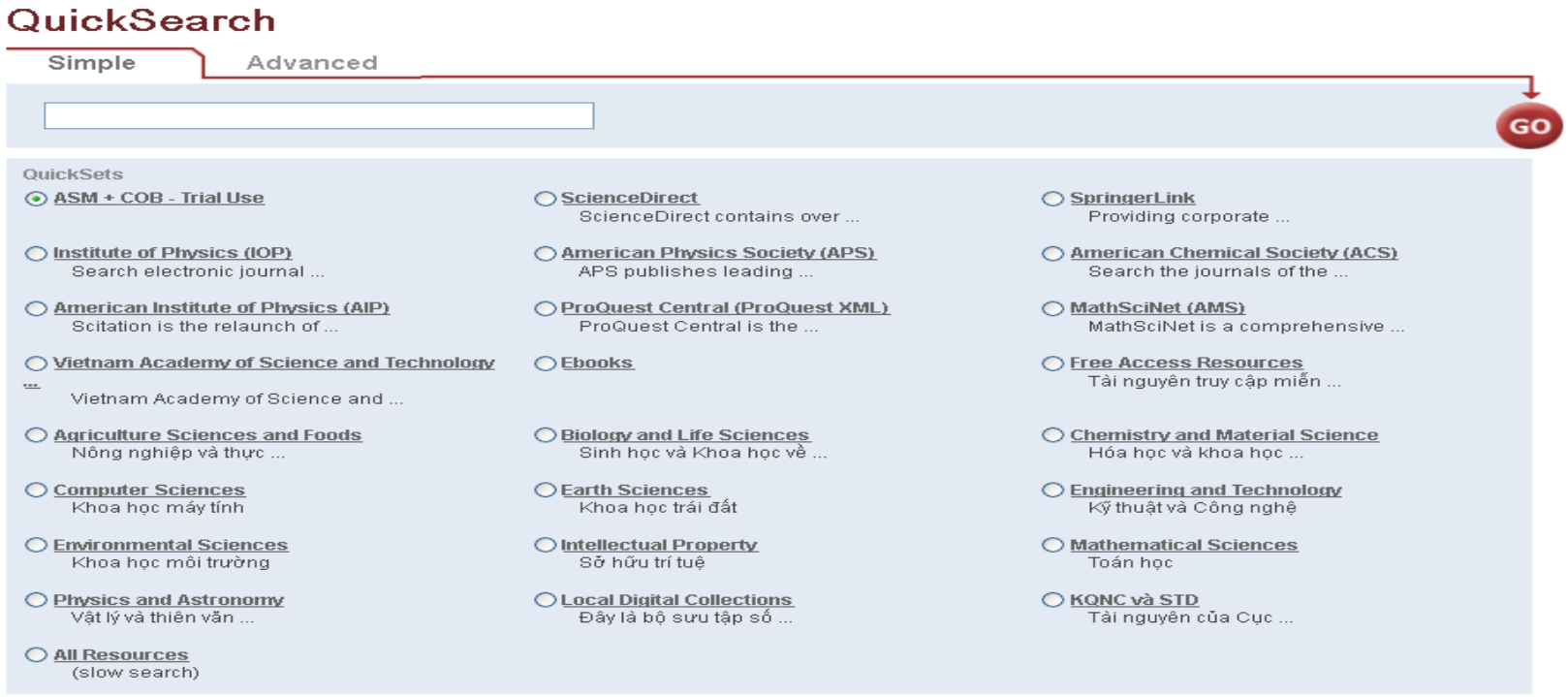
10

12

Joinly purchased with Library Consortium on E-Resources

E-VAST Library

- In 2020, the number of full-text articles downloaded from e-library from January to December was 147,010 from ScienceDirect, Springer, ACS, APS, AIP, IOPE, ProQuest and 10,710 from Elsevier.



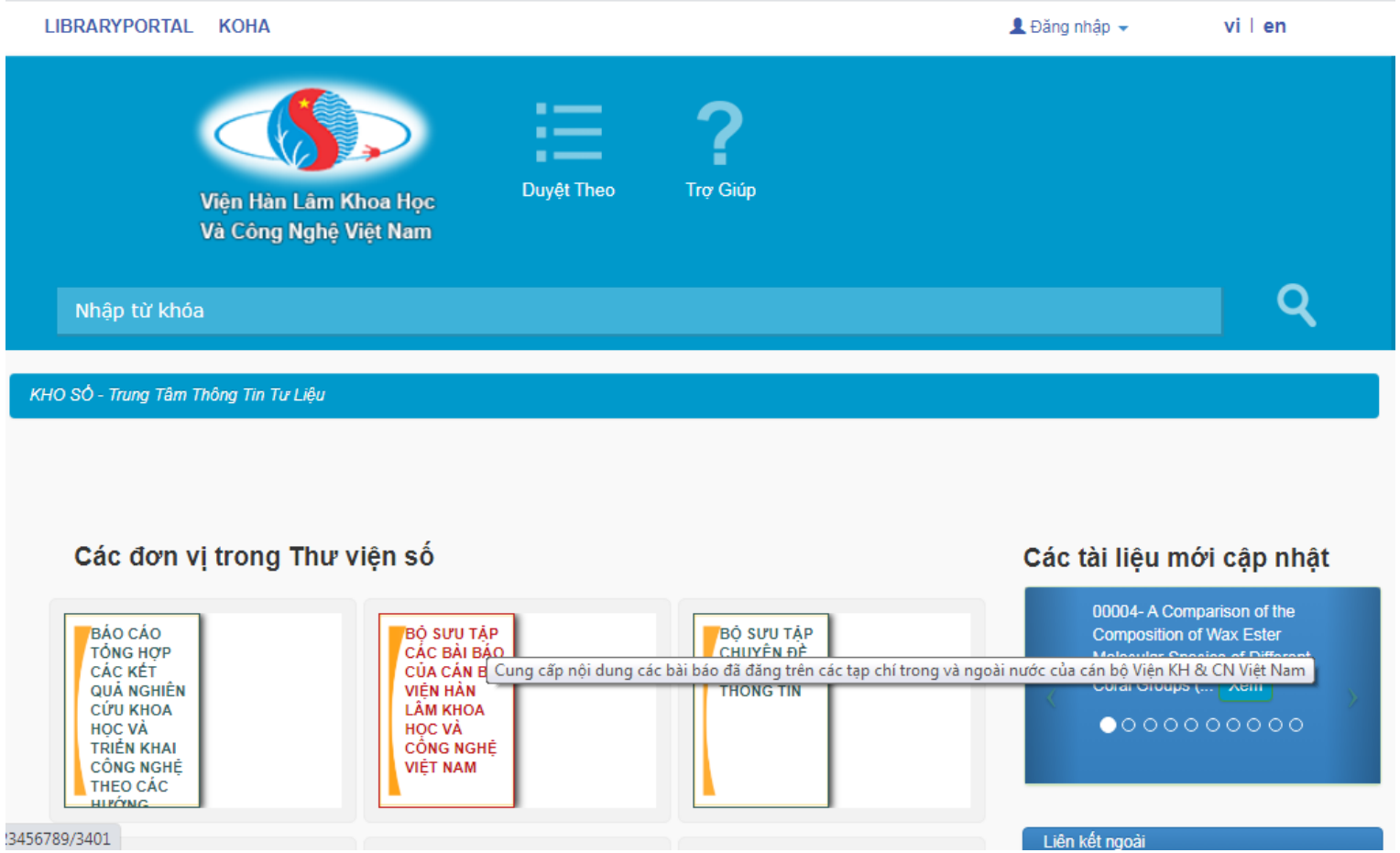
Searching Interface on e-library with QuickSearch by publishers and topics

ISI Digital Repository

- Over 10000 bibliographic information of printed books, thesis, scientific research results,.. integrated in open bibliographic management software Koha: http://222.252.30.203:8088

ISI Digital Repository

- Over 2000 articles, 1000 scientific research results of VAST were integrated in full-text management software, Dspace: http://222.252.30.203:8888/. However, It hasn't been provided open access with the full-text of scientific research results of VAST.



Urgent needs

Develop and put in operation the institutional repository as well as update more S&T scientific research results and articles of VAST.

Coordination with units under VAST, national & international institutions in S&T field to operate effectively institutional repository service.

Thanks