



وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH



BIBLIOTHECA ALEXANDRINA
مكتبة الإسكندرية



أكاديمية البحث العلمي والتكنولوجيا
Academy of Scientific Research
and Technology

ندوة العلم المفتوح

جهود أكاديمية البحث العلمي والتكنولوجيا في دعم العلم المفتوح

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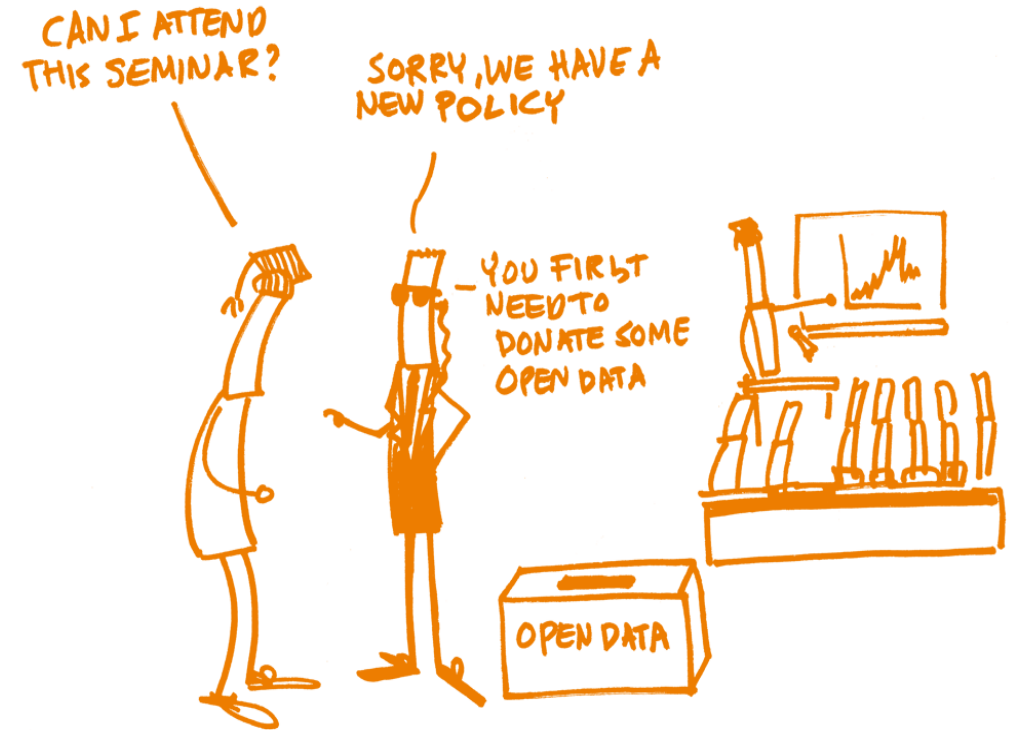
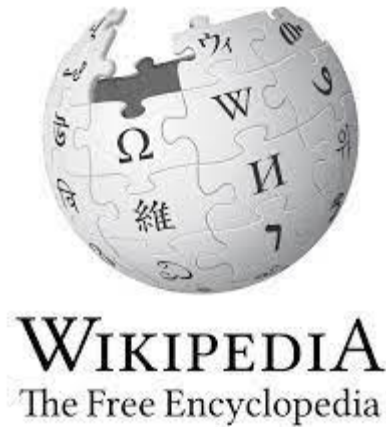
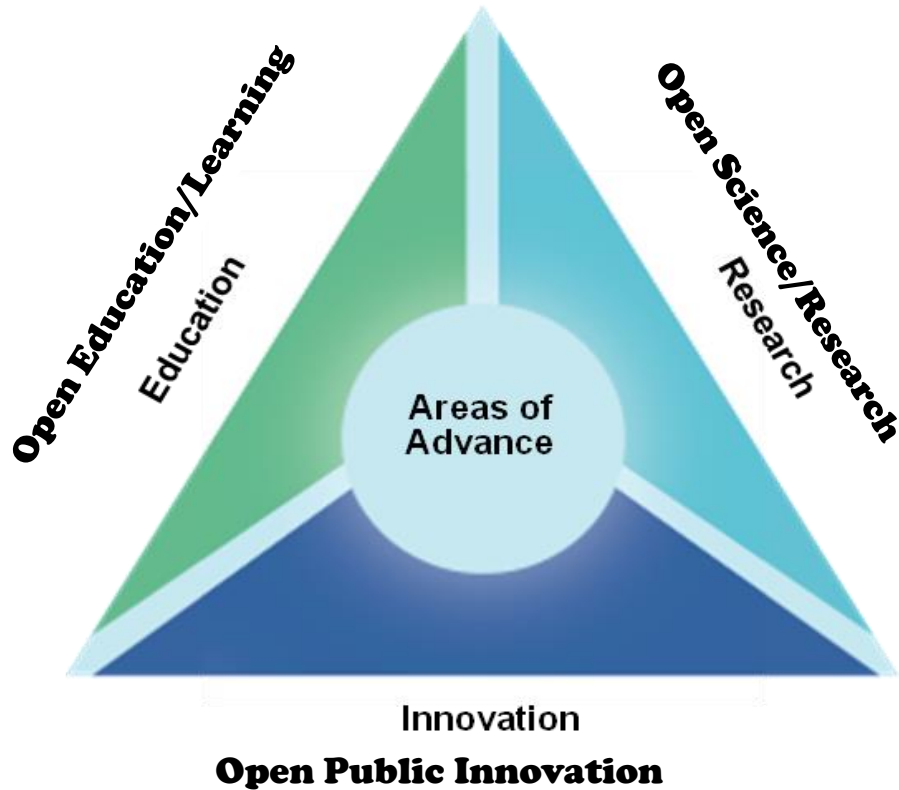
مكتبة الإسكندرية
23 مايو 2023



ASRT Efforts and National Platforms that Support Open Science Ecosystem:

1. Foundations and Infrastructure **البنية التحتية**
2. Developing & Transforming Egyptian Journals to OA with Leading Publishers **تحويل المجلات**
3. Egyptian Knowledge Bank (EKB): World-Class National Digital Library **بنك المعرفة**
4. Regional Contribution to Enhance Arabic S&T Literature **المحتوى العربي**
5. Egyptian Innovation Bank (EIB) **بنك الابتكار**
6. REDIRECT **مبادرة إعادة التوجيه**
7. Knowledge Sharing: Reference Egyptian Genome and Encyclopedia **إتاحة المعارف**

Key Enablers for Right to Science

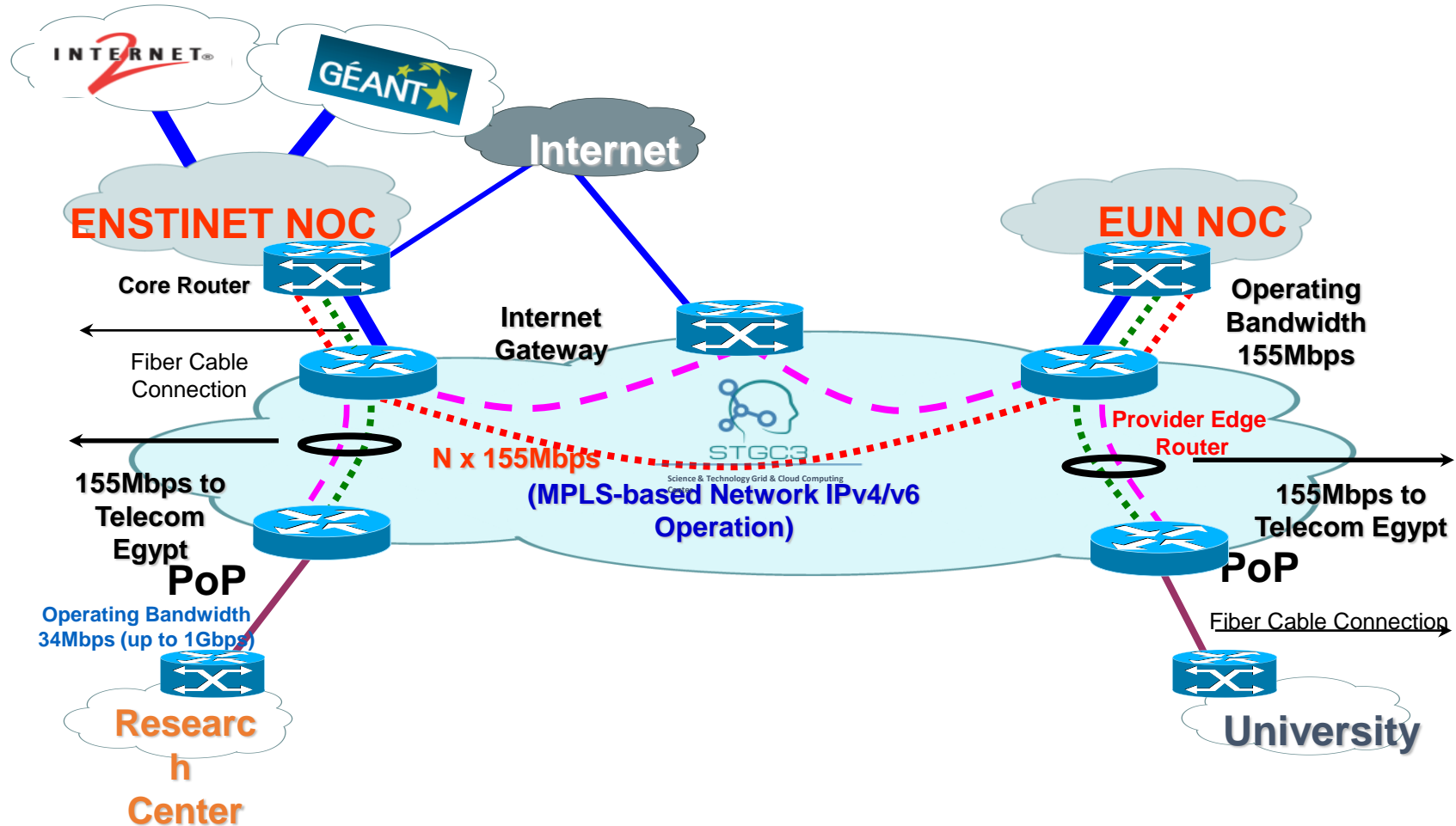


Open Access - Knowledge Sharing - Open Science



1. Foundations & Infrastructure to support Rights to Access Knowledge & Participate in Science

National Research & Education Network: Bringing Researchers Together





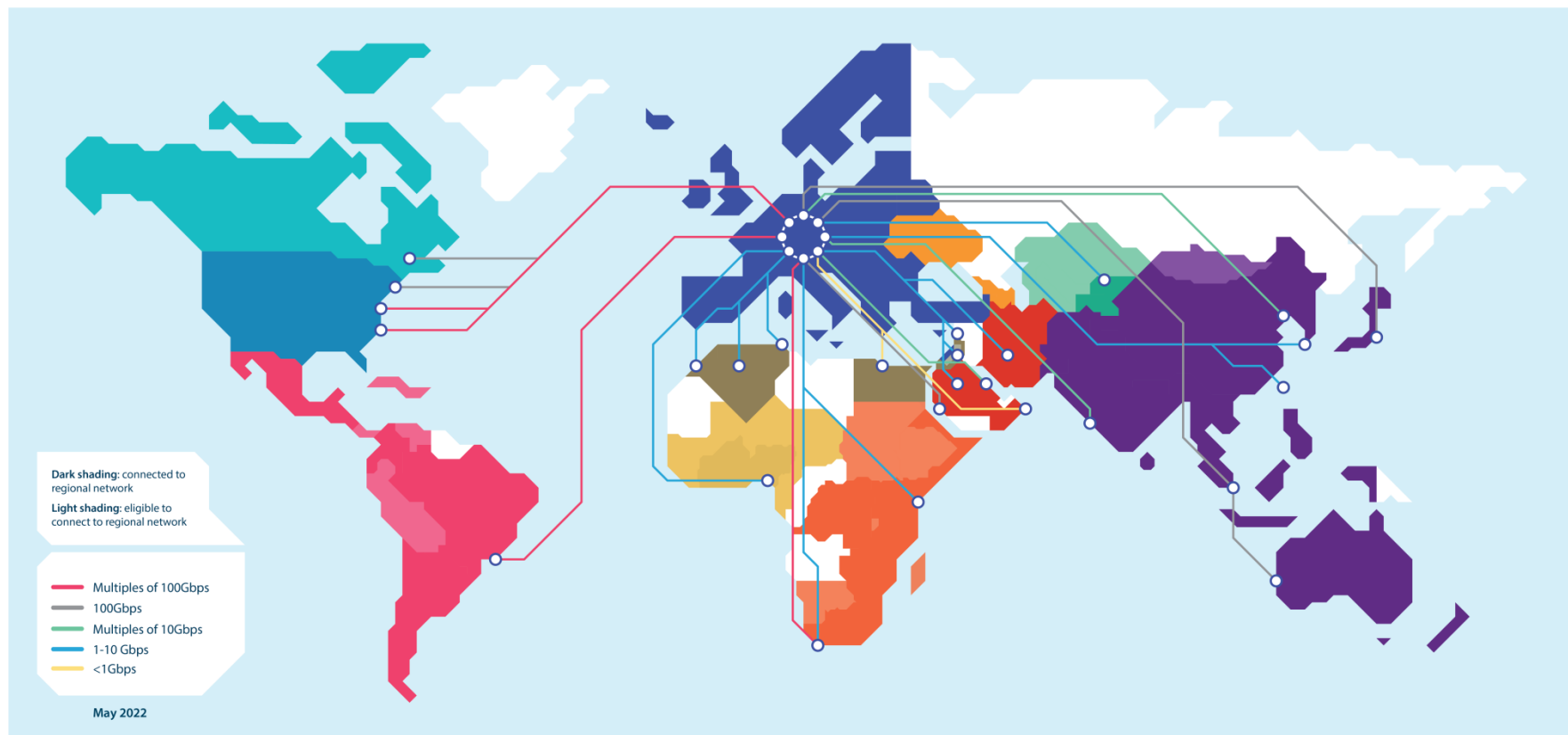
وزارة التعليم العالي والبحث العلمي
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Egypt Connection to GEANT Network

AT THE HEART OF GLOBAL RESEARCH
AND EDUCATION NETWORKING



أكاديمية البحث العلمي والتكنولوجيا
Academy of Scientific Research
and Technology



Canada & USA Latin America Europe North Africa & Eastern Mediterranean West & Central Africa Eastern & Southern Africa Central Asia Asia-Pacific Other R&E Networks



This map is produced as part of the GEANT Specific Grant Agreement GMA-3 No. 8567263, that has received funding from the European Union's 2020 research and innovation programme under the GEANT2020 Framework Partnership Agreement No. 653996. The content of this document is the sole responsibility of GEANT and can under no circumstances be regarded as reflecting the position of the European Union.

geant.org



Egypt Connection to Internet2 Research & Education Network

Internet2 Comprises:

- 317 U.S. institutions of higher education
- 81 leading corporations
- 64 affiliate and federal affiliate members
- 43 regional and state education networks
- More than 65 national research & education networking partners representing over 100 countries
- The broader Internet2 community includes over 93,000 institutions across the
- U.S. and international networking partners representing more than 100 countries.



U.S. UCAN Connections

84,456	K-12 Schools (approximately 60% of total)
4,227	Public Libraries (approximately 25% of total)
1,491	Colleges & Universities
799	Community or Vocational Colleges
2,237	Health Care Organizations
200	Museums, Science Centers, Zoos & Aquariums
93,410	Total CAIs connected to Internet2

2. Developing Local Egyptian Journals Transforming Egyptian Journals to Open Access

Complete Ecosystem for Upgrading & Transforming Egyptian Journals to Open Access

- Starting 2009, ASRT formed several agreements with international publishers for upgrading local journals and transforming them to Open Access Model as to foster right to science.
- Elsevier, LWW, and MedKnow
- ASRT currently manages & supports four main agreements with 85 Journals (MedKnow, Wolters Kluwer/LWW, Taylor & Francis, and Digital Commons by Elsevier).
- ASRT technically supports SpringerNature-EKB Agreement.
- All Agreements follows Open Access model “OA”.
- ASRT operates and manage National Publishing Platform with 895 Open Access Journals with 101 million global downloads.



Facts & Figures of Egyptian Journals Contribution to Global Open Access Portfolio



International Agreements

85 Journals

Published through ASRT agreements with International Publishing Houses

3,280 Issue

Covers the fields of basic science, agriculture, engineering and medicine.

56,216 Articles

Collaborated by 145,312 researchers.



National Publishing Platforms

895 Journals

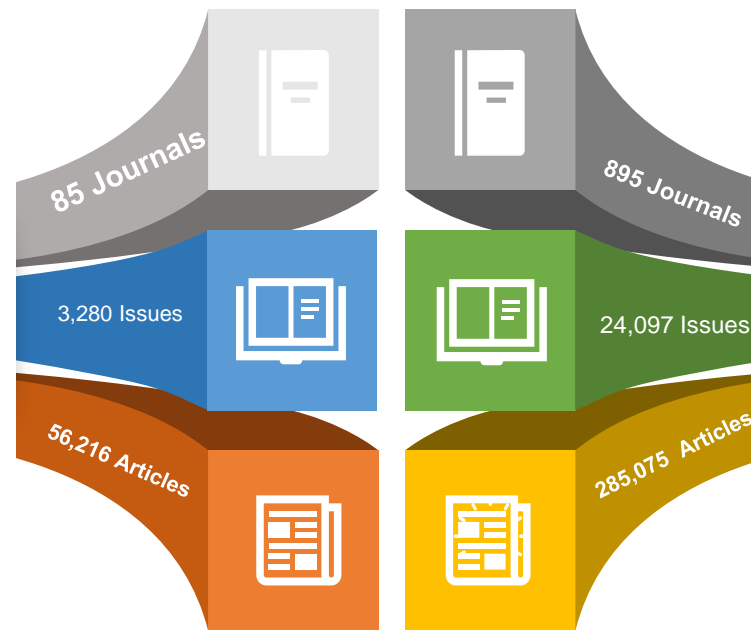
Published through cooperation between the Academy of Scientific Research and the initiative of the Egyptian Knowledge Bank. It includes periodicals published in Arabic and English.

24,097 Issues

Covering all scientific, Social & Humanities Sciences

285,075 Articles

Collaborated by 1,093,884 researchers.

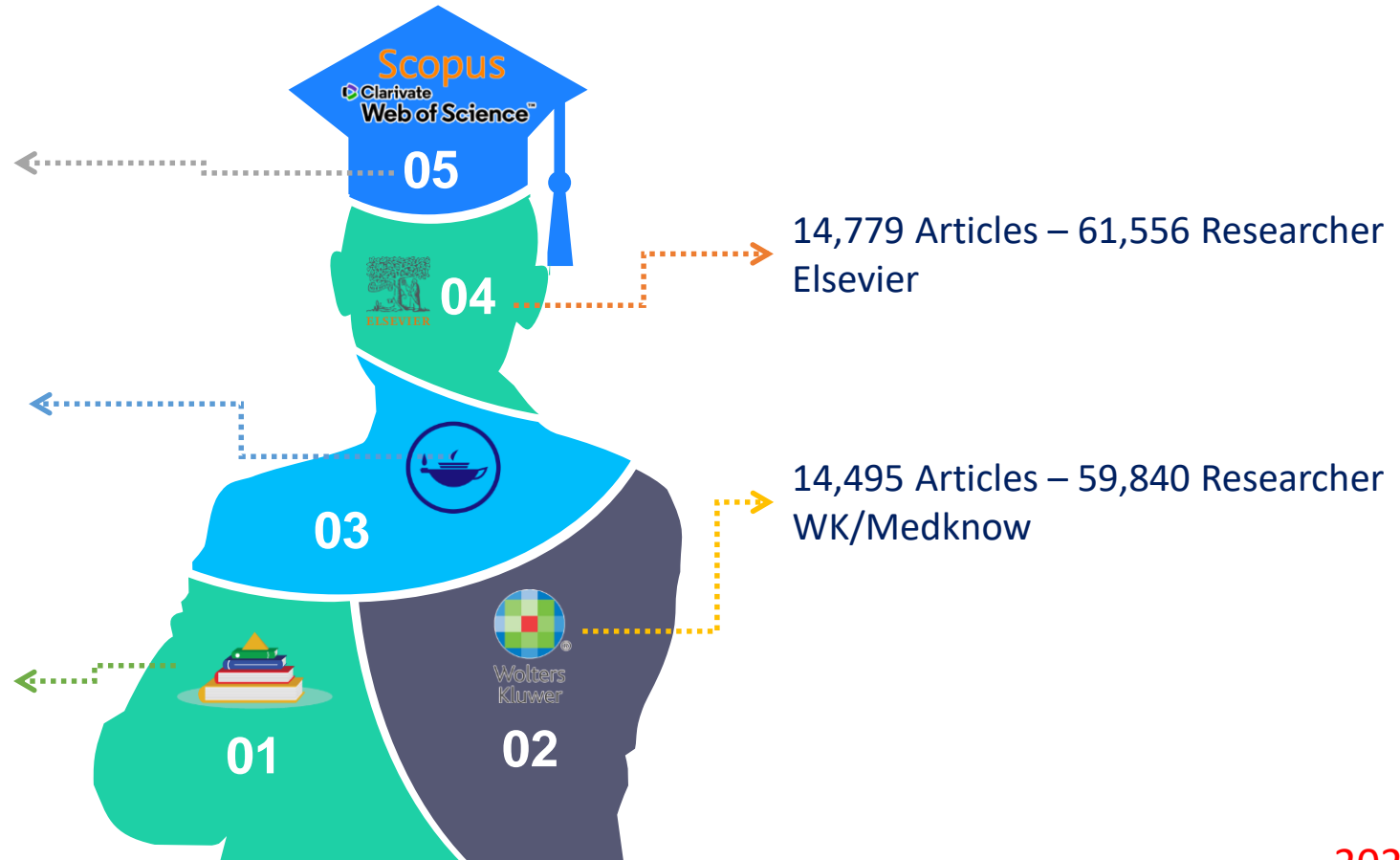


International Indexation (Scopus, Web of Science, DOAJ, PubMed)

International Indexation of
Egyptian Journals
Web of Science 60 – Scopus 65 –
Impact Factor 12 – 230 DOAJ

1,129 Articles – 4,516 Researcher
started 2018
Taylor & Francis

283,229 Articles – 684595
Researcher
National Publishing Platform -
EKB





Global Showcasing through Google Scholar



Listing Egyptian National Publishing Platform Over Google Scholar to increase visibility and citations

Publication	h5-index	h5-median
1. Egyptian Journal of Petroleum	45	66
2. The Egyptian Journal of Remote Sensing and Space Sciences	33	48
3. Egyptian Informatics Journal	28	42
4. The Egyptian Journal of Aquatic Research	28	40
5. Egyptian Journal of Basic and Applied Sciences	23	38
6. Journal of the Egyptian Mathematical Society	23	29
7. Egyptian Journal of Forensic Sciences	20	29
8. Egyptian Journal of Medical Human Genetics	17	27
9. Egyptian Journal of Biological Pest Control	17	22
10. Egyptian Journal of Chemistry	16	21
11. The Egyptian Rheumatologist	16	21
12. Journal of the Egyptian National Cancer Institute	15	26
13. PalArch's Journal of Archaeology of Egypt/Egyptology	15	22
14. The Egyptian Journal of Chest Diseases and Tuberculosis	15	18
15. The Egyptian Journal of Radiology and Nuclear Medicine	14	20
16. Journal of the Egyptian Public Health Association	13	19
17. The Egyptian Heart Journal	12	17
18. The Egyptian Journal of Hospital Medicine	12	16
19. Egyptian Journal of Soil Science	12	14
20. Egyptian Journal of Anaesthesia	11	15

[h5-index:45](#) [h5-median:66](#)

#5 Oil, Petroleum & Natural Gas

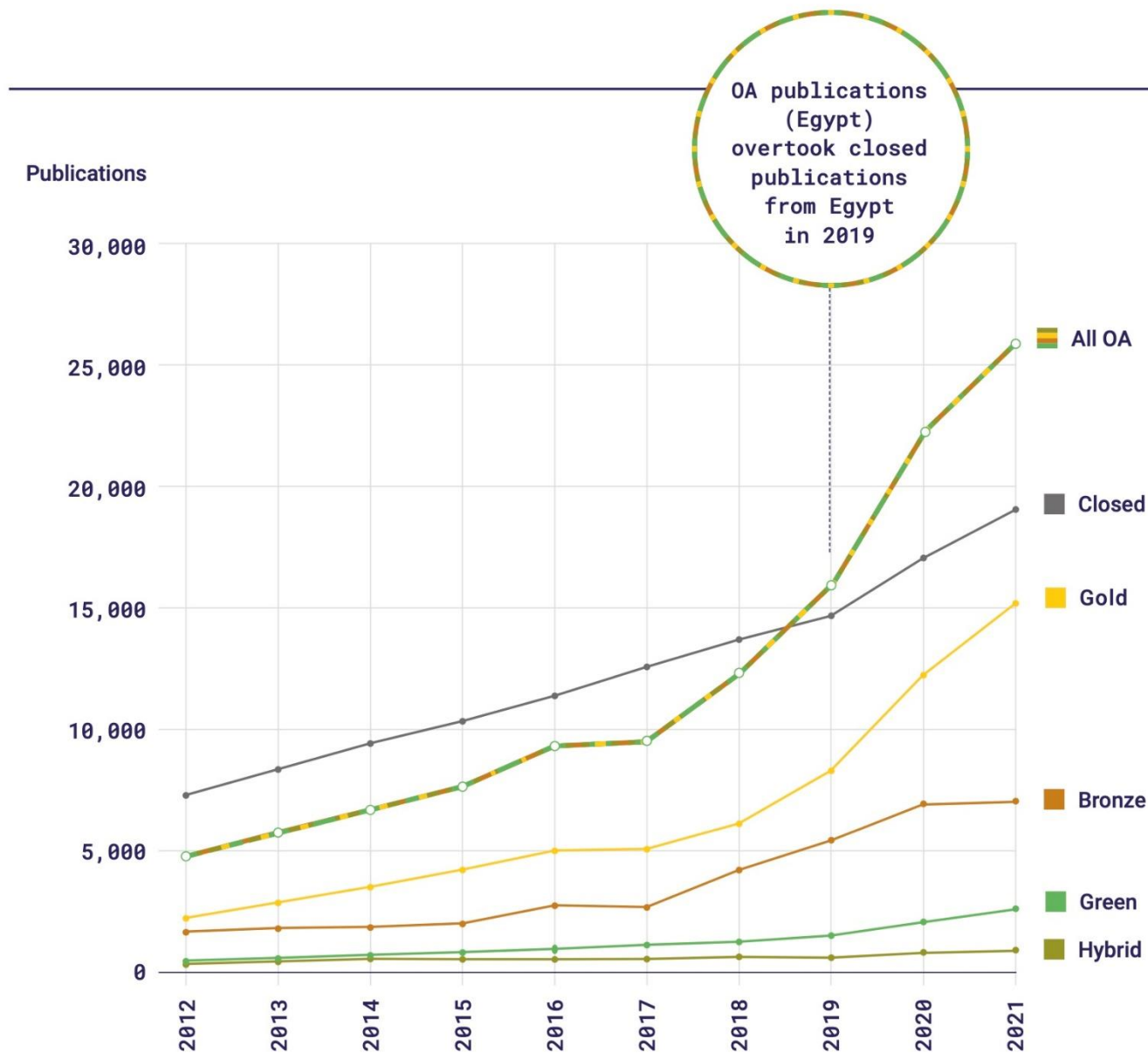
Title / Author	Cited by	Year
A review on polycyclic aromatic hydrocarbons: Source, environmental impact, effect on human health and remediation HI Abdel-Shafy, MSM Mansour Egyptian Journal of Petroleum 25 (1), 107-123	1665	2016
Solid waste issue: Sources, composition, disposal, recycling, and valorization HI Abdel-Shafy, MSM Mansour Egyptian Journal of Petroleum 27 (4), 1275-1290	393	2018
The effects of alcohol to oil molar ratios and the type of alcohol on biodiesel production using transesterification process IA Musa Egyptian Journal of Petroleum 25 (1), 21-31	259	2016
Greener routes for recycling of polyethylene terephthalate AM Al-Sabagh, FZ Yehia, G Eshaq, AM Rabie, AE ElMetwally Egyptian Journal of Petroleum 25 (1), 53-64	236	2016
Effect of fiber treatment on flexural properties of natural fiber reinforced composites: A review M Sood, G Dwivedi Egyptian Journal of Petroleum 27 (4), 775-783	165	2018
Castor oil biodiesel production and optimization ST Keera, SM El Sabagh, AR Taman Egyptian Journal of Petroleum 27 (4), 979-984	125	2018
Effect of waste cooking-oil biodiesel on performance and exhaust emissions of a diesel engine KA Abed, AK El Morsi, MM Sayed, AA El Shaib, MS Gad Egyptian Journal of Petroleum 27 (4), 985-989	124	2018
Manufacturing of environment friendly biolubricants from vegetable oils EK Heikal, MS Elmelawy, SA Khalil, NM Elbasuny Egyptian Journal of Petroleum 26 (1), 53-59	120	2017
Optimization of biodiesel production from refined cotton seed oil and its characterization DO Onukwuli, LN Emembolu, CN Ude, SO Aliozo, MC Menkiti Egyptian Journal of Petroleum 26 (1), 103-110	107	2017



Egypt Transform to Open Access Publications



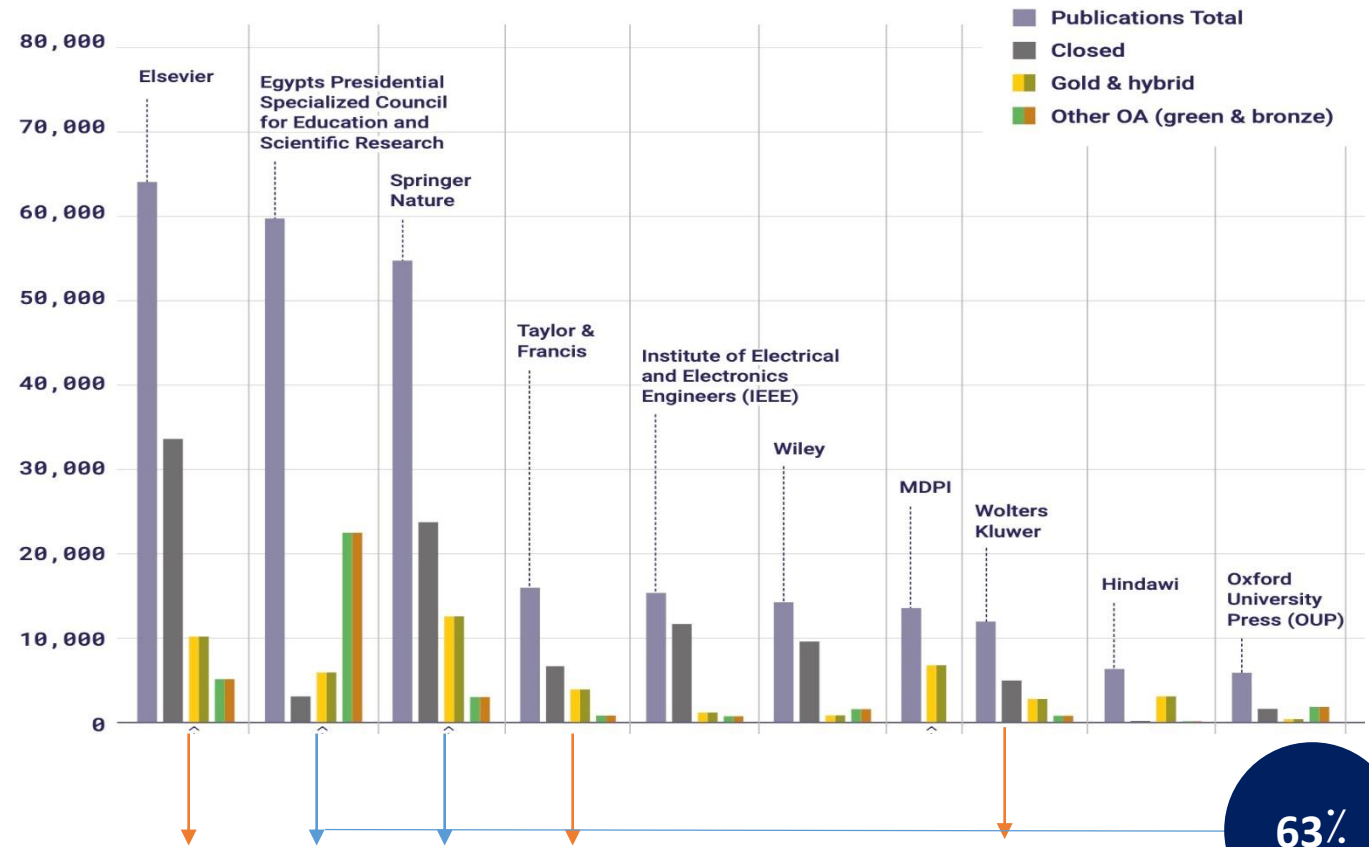
OA publications surpassed closed access publications starting 2019 with Gold OA driving the upward trend.



Distribution of Egyptian Scientific Publishing across the top 10 scientific publishing platforms















The Academy's contributions, agreements and cooperation represent around 63% of the total annual publication output

- The Academy funds, manages and operates the Agreement
- The Academy cooperates in the management and operation of the platform and the agreement



63%

Egypt ranks 24th in 2022 Scimago Country Rank

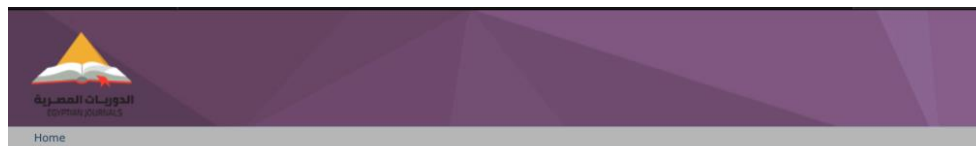
24		Egypt	44219	42493	65869	23815	1.49	388
25		Indonesia	43380	42431	21953	8135	0.51	309
26		Pakistan	41913	39589	73151	25499	1.75	394
27		Belgium	40235	36524	56785	8655	1.41	1015
28		Portugal	36608	32903	41914	7975	1.14	653
29		Denmark	34687	31831	51617	8279	1.49	969
30		South Africa	34268	31037	42967	9142	1.25	614
31		Hong Kong	32759	30785	57857	9097	1.77	751
32		Austria	32688	29320	40494	6778	1.24	841
33		Mexico	32427	30052	27519	5109	0.85	577
34		Norway	30219	27613	38235	6806	1.27	809
35		Thailand	28420	26865	27735	6668	0.98	423
36		Singapore	27632	25253	46134	6499	1.67	761
37		Israel	26976	24673	33371	5399	1.24	883

Egypt has continued to advance in Scimago international ranking year after year thanks to the International Scientific Publishing Project, and the Academy's cooperation with Egyptian Knowledge Bank to launch the national scientific publishing platform.

Egypt advanced 13 positions in the international ranking from 2015 to 2022 to become the 24th country globally and surpass neighboring countries.



3- EKB: World Class Digital National Library



All Journals


- Agricultural Studies (67)
- Archaeology (15)
- Arts (13)
- Basic Sciences (46)
- Business Studies (22)
- Childhood & Kindergarten Studies (10)
- Computer Sciences (17)
- Dentistry (13)
- Economics and Political Science (8)
- Educational Studies (106)
- Engineering Studies (31)
- English Journals (372)
- Humanities (4)
- Legal Studies (25)
- Literary Studies (107)
- Media Studies (12)
- Medical Studies (77)
- Multidisciplinary (23)
- Nursing (12)
- Pharmaceutical Studies (12)
- Physical Education (28)
- Social Work Studies (14)
- Special Education & Home Economy (10)
- Tourism (13)
- Veterinary Medicine (19)

(347) الدوريات العربية

Statistics


- Number of Journals 719
- Number of Issues 15,899
- Number of Articles 186,262
- Article View 16,897,720
- PDF Download 32,511,268

Search in journals titles Publisher



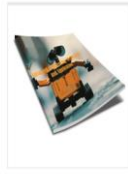
ACARINES

Acarines: Journal of the Egyptian Society of Acarology




ADVANCED DENTAL JOURNAL

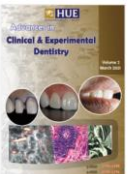
Advanced Dental Journal




Advanced Engineering Technology and Application




Advanced Research in Conservation Science




Advances in Clinical and Experimental Dentistry




African Journal of Biological Sciences




Afro-Egyptian Journal of Infectious and Endemic Diseases




Ain Shams Dental Journal




Ain Shams Journal of Dental Science




Ain Shams Journal of Forensic Medicine and Clinical Toxicology



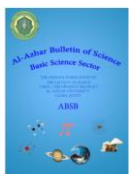
Ain Shams Journal of Surgery



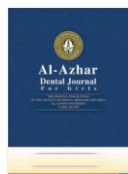
Ain Shams Medical Journal




Al-Azhar Bulletin of Science Basic Science Section



Al-Azhar Dental Journal



Al-Azhar International Medical Journal



AIMJ



HUE
HORUS UNIVERSITY — EGYPT

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Login Register



Advances in Clinical & Experimental Dentistry

Volume 2 March 2020

Tutorial Videos

- Author Guide Video
- Reviewer Guide Video
- Editor Guide Video

Advances in Clinical and Experimental Dentistry (ACED) is a peer-reviewed medical journal dedicated to the dissemination of new knowledge and information on all sciences relevant to dentistry and to the oral cavity and associated structures in health and disease.

Most Visited Articles

- Assessment of composite leakage using optical coherence tomography: A systematic review
- State of the art computational applications in experimental and clinical dentistry
- State of the art management of oral pemphigus vulgaris

Publication Information

- Publisher: Horus University
- Editor-in-Chief: Prof. SHAZA M. HAMMAD
- Editorial Board: Prof. Sherif Einagdy, Prof. Nagla Salama, Prof. Khaldoun Algerian, Lecturer. Ibrahim Basha, Lecturer. Ebtissam Alerraqi
- Assistant Editor: Bacem Khalele, Mira Elbahrawey
- Print ISSN: 2735-4288
- Online ISSN: 2735-4296

- Indexing Databases XML
- Editorial Board
- RSS Feed

Articles in Press

Current Issue

Journal Archive

Volume 1 (2020)

Issue 1

Current Issue: Volume 1, Issue 1, Autumn 2020, Page 1-60 [XML](#)

Facts & Figures

Number of Volumes	2
Number of Issues	2
Number of Articles	4
Article View	194
PDF Download	62
View Per Article	48.5
PDF Download Per Article	15.5

1 State of the art management of oral pemphigus vulgaris

Page 1-18
Eman Abdulhady; Nagla Salama
View Article | [PDF 10.85 MB](#)

2 Assessment of composite leakage using optical coherence tomography: A systematic review

Page 19-32
Ebrahim El-Basha
View Article | [PDF 7.8 MB](#)

3 A systematic review of specific pathways in oral squamous cell carcinoma

Page 33-48
Rana Alaa El-Dene; Khaldoun Algerian; BA Khalele
View Article

4 State of the art computational applications in experimental and clinical dentistry

Search

Advanced Search



Global Access & Contribution to Open Science

"Stats & Figures"

The screenshot displays the homepage of a journal website. At the top, there is a search bar and a 'Home' button. The main content area is a grid of journal covers, each with a title and a small image. The sidebar on the left contains a list of journal categories and their respective counts, along with a 'Statistics' section showing overall metrics.

All Journals

- Agricultural Studies (67)
- Archaeology (15)
- Arts (13)
- Basic Sciences (46)
- Business Studies (22)
- Childhood & Kindergarten Studies (10)
- Computer Sciences (17)
- Dentistry (13)
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- Physical Education (28)
- Social Work Studies (14)
- Special Education & Home Economy (10)
- Tourism (13)
- Veterinary Medicine (18)
- الدورات العربية (347)

Statistics

Number of Journals	854
Number of Issues	22,035
Number of Articles	260,268
Article View	43,628,988
PDF Download	79,803,337

Journal Grid:

- ACARINES: Journal of the Egyptian Society of Acarology
- Advanced Dental Journal
- Advanced Engineering Technology and Application
- Advanced Research in Conservation Sciences
- Advances in Clinical and Experimental Dentistry
- African Journal of Biological Sciences
- Afro-Egyptian Journal of Infectious and Endemic Diseases
- Ain Shams Dental Journal
- Ain Shams Journal of Dental Science
- Ain Shams Journal of Forensic Medicine and Clinical Toxicology
- Ain Shams Journal of Surgery
- Ain Shams Medical Journal
- Al-Azhar Dental Journal
- Al-Azhar Studies of Science (Basic Science Series) AIBS
- Al-Azhar International Medical Journal AIMJ

Statistics

Number of Journals	897
Number of Issues	24,096
Number of Articles	285,074
Article View	57,408,644
PDF Download	101,574,126



وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH

Egyptian Knowledge Bank

31 Publishers

120 Database

2.3 Million Visitors/Month (Peak)

Zero Security Incident



المصري
Egyptian Knowledge Bank



أكاديمية البحث العلمي والتكنولوجيا
Academy of Scientific Research
and Technology



Science & Technology Grid & Cloud Computing Center



وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH

Open Education Platforms

EKB- Secondary Schools LMS

Delivering Learning Resources for Secondary Schools

1.9 Million Students

426 Million Page Views

The screenshot displays the EKB website interface. At the top, there is a search bar with the text 'Search site' and a magnifying glass icon. To the right of the search bar are icons for 'Apps', a notification bell, and a user profile labeled 'CDSM Demo'. Below the search bar, there are navigation tabs: 'Knowledge Tree', 'Tree View', 'Browse', 'Make and Share', and 'Publishers'. The main content area is titled 'All Resources' and 'Books and Journals'. A search bar within this area contains the text 'Search the Knowledge Tree'. Below the search bar, there is a dropdown menu for 'Order by: Recommended'. The main content area displays a grid of educational resources. The first resource is a large image of a human brain with the text 'Introduction to the Central Nervous System'. Other resources include 'Antibodies', 'What is Dermatology?', 'Histology, microscopy, anatom...', 'Basic Structure of an Antibody', 'Antibody purification Methods', 'Antibody Purification', and 'Immunology in the skin'. Each resource card includes a small thumbnail image and a star rating.



أكاديمية البحث العلمي والتكنولوجيا
Academy of Scientific Research
and Technology

4. Regional Contribution to Enhance Arabic S&T Literature: Arabic Citation Index

A regional initiative by Egyptian Knowledge Bank in cooperation with Clarivate Analytics - Web of Science™

Helps in putting Arabic Scientific Literature on the Global Map.

Enhances global collaboration.

Providing access to bibliographic information and citations to scholarly articles from expertly curated Arabic journals and other Web of Science content.

Provides English bibliographic information including abstracts for Arabic indexed publications, which in turn help in Open Science Collaboration.

Put Your Journal On The Global Map

We provide local scientific communities with the ability to contribute to national, regional, and international research efforts – facilitating collaboration and extending the Arabic academic footprint.



Identify Critical Arabic Research

Local language citation indexes provide access to local language content, helping researchers to collaborate with a wider audience locally and globally



Worldwide Citation

Indexation of an Arabic publication in ARCI on the Web of Science platform can greatly increase its chances to be cited worldwide and enhances global collaboration

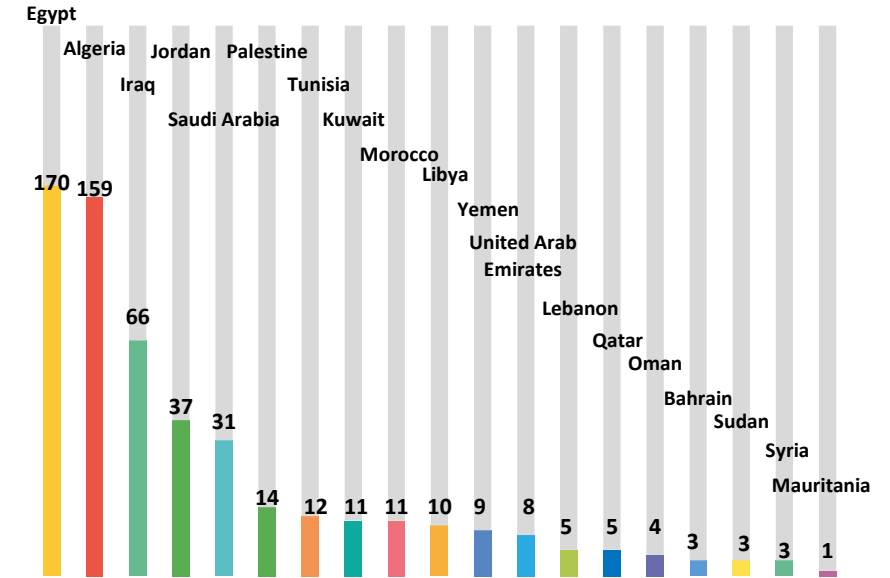


Greater Funding Opportunities

we provide visibility for the public funding process and enhance visibility on the global academic map, bridging the gap between local scientific output and global impact



Arabic Citation Index



Arab periodicals on the global map of scientific research:

The Arabic Citation Index fosters local scientific communities to contribute to regional and international research efforts – as well as facilitate academic collaboration for Arab researchers and universities and expand the Arab academic footprint.

The scientific publishing team of ENSTINET-ASRT, in cooperation with the Egyptian Knowledge Bank, conducted the initial evaluation of the submitted periodicals, with listing of 562 periodicals from the Arab League countries in 2021/2022.



5. Egyptian Innovation Bank



بنك الابتكار المصري

بنك الكتروني وطني يساهم في التنمية التكنولوجية القائمة على الابتكار والاختراع مع حفظ كامل الحقوق الأدبية والفكرية لعملاء البنك، بضمان أكاديمية البحث العلمي والتكنولوجيا (طبقاً للقانون رقم 82 لسنة 2002).

تعرف على المزيد

سجل الآن

Marketing place for innovations, ideas and solutions

Present innovations of individuals, universities & research institutions

Innovative solutions to the technological challenges

Opportunities for partnership and collaboration

Culture of innovation

Egyptian Innovation Bank

More than an innovation marketplace

- The most **comprehensive searchable database of innovations** (with validation service)
- The most **comprehensive database of innovation enablers in Egypt** (Venture capitalists, funding agencies, co-working spaces, patent attorneys, business plan competitions, etc.)
- **Interactive map of incubators** in Egypt (140 incubators)
- **Marketplace** that facilitates transactions at multilevel cooperation including innovators-innovators and innovators-investors collaboration)
- **Structured Support services** including IPR-helpdesk, legal advice, funding, technology transfer and administrative support
- **Tech Portfolio**; interactive catalogue of innovative products resulted from **industry-academia collaboration**.
- Unified gateway for investors, innovators and service providers (supported by **matchmaking tools**), EIB Networks screen qualified solutions for more investments/support.



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بنك الابتكار المصري
Egyptian Innovation Bank



1245 Users



612 Innovations



264 Innovation Enablers



5 Innovation Challenges



670K Monetary Prizes



1 Product





WIPO GREEN TECHNOLOGY BOOK:

The *Green Technology Book* is a perfect guide for individuals, organizations and policymakers. It highlights the technological solutions available to meet today's climate challenges, as well as analyzing important current and future innovation trends. It has a direct impact, in particular on the implementation of adaptation solutions to climate change.

ASRT is proud of its partnership with WIPO and the United Nations in launching the first edition of this new annual Flagship publication promoting green technologies. Our hope is that this can be a vehicle for boosting Egypt's innovation system, at the same time creating a global awareness of Egypt's role in innovation.

Green
Technology
Book 2022
Solutions for
climate change
adaptation



WIPO

6- The role of Research, Development, and Innovation in addressing climate change: Technology transfer and knowledge sharing

REDIRECT is an initiative that brings together science academies, universities, research institutions, international organizations, industry, science funding organizations, and NGOs to integrate their efforts and redirect their RDI capabilities towards addressing and achieving SDGs under climate change in developing and least developing countries based on green technological and social innovations.

The main goal of REDIRECT is to support the efforts of vulnerable countries in climate change confrontation, adaptation, and coexistence via capacity building, providing innovative solutions, technology transfer and localization, knowledge sharing, public-private partnerships, and community engagement.

REDIRECT partners align themselves, through the high-level climate champions, to set regional priorities, and guide the local RDI community to secure green innovation funds.

The strategic objective of the initiative is to harmonize global, and integrate regional and continental RDI efforts to help in realizing countries' commitments and pledges on tackling climate change and realizing a sustainable future for all through innovation for the climate.



**EGYPT
GENOME**
EGYPTIAN GENOME PROJECT



أكاديمية البحث العلمي والتكنولوجيا
ACADEMY OF SCIENTIFIC RESEARCH
AND TECHNOLOGY



وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH

7- Knowledge Sharing: A- Reference Genome

ليفي

السيسي يعطي الضوء الأخضر لتنفيذ الجينوم المرجعي بتكلفة 2 مليار جنيه

وافق الرئيس عبدالفتاح السيسي، على إطلاق إشارة البدء في تنفيذ مشروع الجينوم المرجعي للمصريين وقدماء المصريين وإشياء المركز المصري للجينوم، وذلك خلال اجتماعه أمس برئيس الوزراء د. مصطفى مدبولي والدكتور خالد عبد الغفار وزير التعليم العالي والبحث العلمي وأشار...



Calendar - Week of 3 Jan

مشروع - الجينوم - المرجعي - مد

خاص

"مشروع الجينوم المرجعي" .. مصر تبني خريطة للأجداد والأحفاد

3 مارس 2021 - 20:49 بتوقيت أبوظبي

عبد الحليم حفينة - القاهرة - سكاى نيوز عربية



المشروع يعد الأهم في القارة السمراء.

قبل أيام قليلة أعطى الرئيس المصري، عبد الفتاح السيسي، إشارة البدء لتنفيذ مشروع الجينوم المرجعي للمصريين وقدماء المصريين، وهو المشروع الذي يصفه باحثون ومسؤولون بـ"مهمون



International Launch at Expo Dubai 31st Jan 2022



خلال إطلاق المشروع بحضور نهيان بن مبارك

فك شفرة 400 عينة بـ«الجينوم المصري» في 2022



نهيان بن مبارك وحصة بن محمد وكبار المسؤولين خلال إطلاق المشروع

وزير التسامح: اختيار مصر الإمارات للإعلان عن مشروعها القومي يعكس عمق العلاقات

الإجازات وصياغات

ورحب الشيخ نهيان بن مبارك آل نهيان بالتعاون بين الإمارات ومصر ضمن استراتيجية مصر في مجال علم الجينوم، وهي فرصة لتكوين رابطة للجينوم وعلم الميتابولوم، ودينامية لتتبع هذا العلم.

من جهته كشف الدكتور محمود صقر رئيس مشروع الجينوم المصري، أن مشروع الجينوم المصري أكاديمي البحث العلمي والتكنولوجيا في جمهورية مصر العربية، وقدماه في مصر، بدأ في شهر أيلول من عام 2020، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري.

محمود صقر: صناعة أدوية متخصصة تناسب الشعوب

وأكد رئيس أكاديمية البحث العلمي والتكنولوجيا في مصر أن الدولة انتهت من دراسة الجينوم المصري وإطلاقها كمنهج علمي دولي، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري.

وزير التسامح: اختيار مصر الإمارات للإعلان عن مشروعها القومي يعكس عمق العلاقات

وأضاف وزير التسامح، أن اختيار مصر الإمارات للإعلان عن مشروعها القومي يعكس عمق العلاقات بين البلدين، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري، وهو مشروع علمي دولي، يهدف إلى فهم الجينوم البشري.



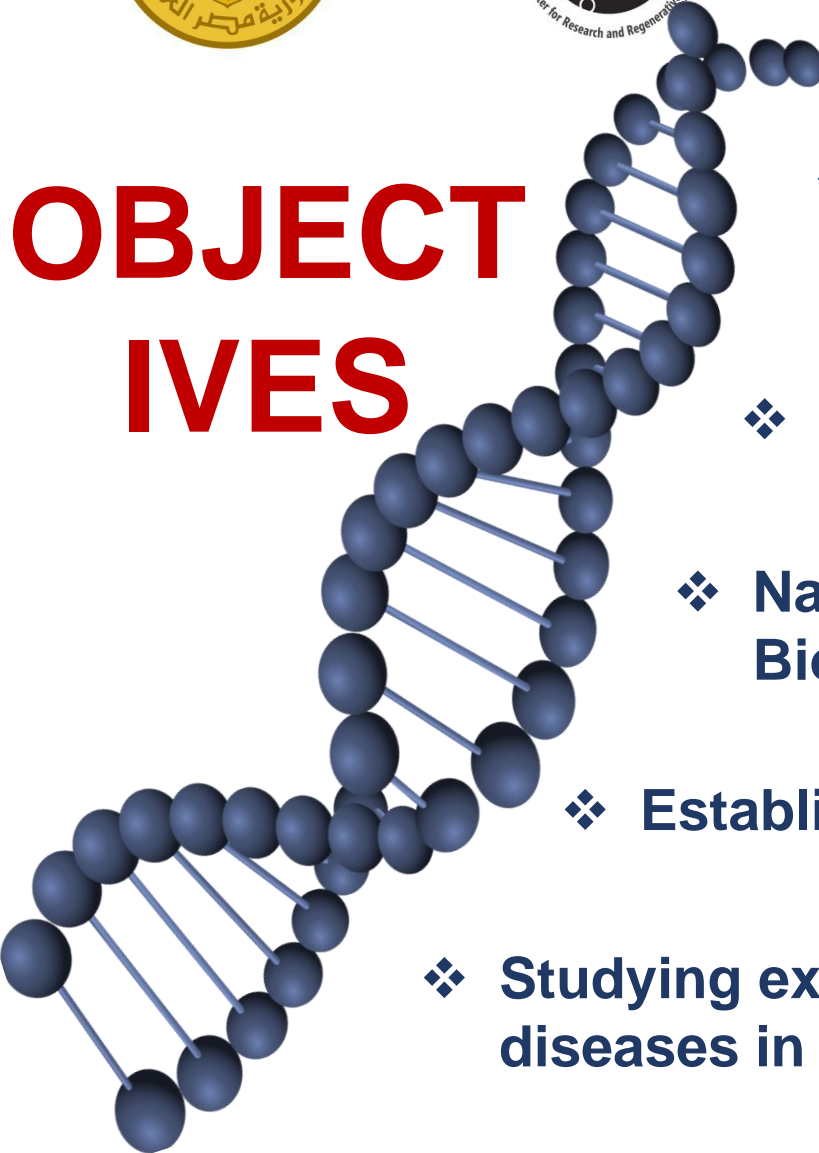


**EGYPT
GENOME**
EGYPTIAN GENOME PROJECT

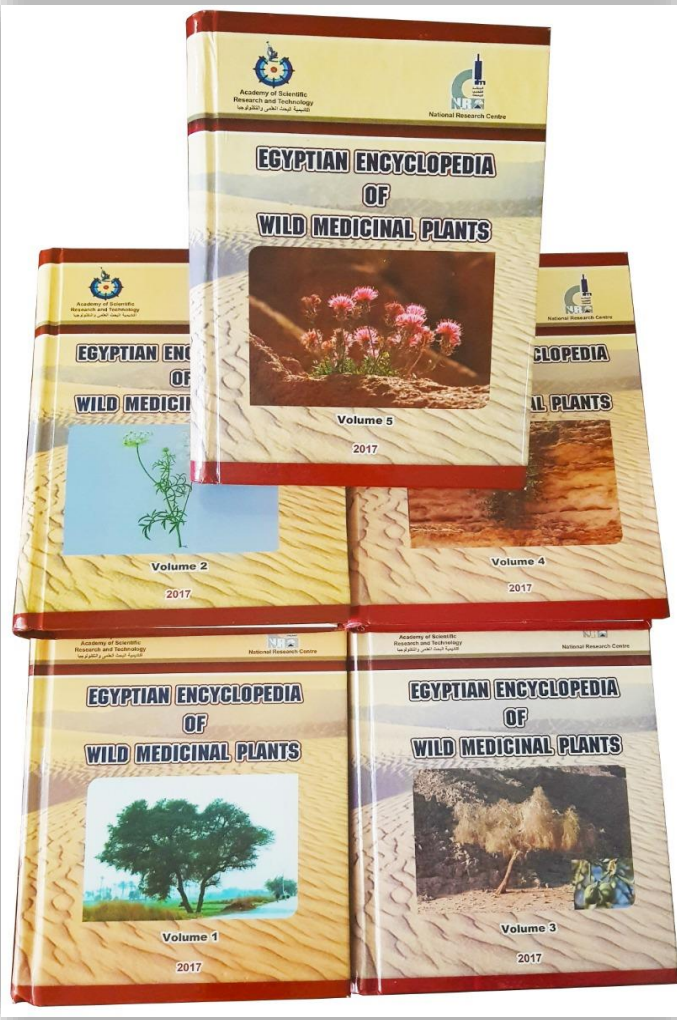


OBJECTIVES

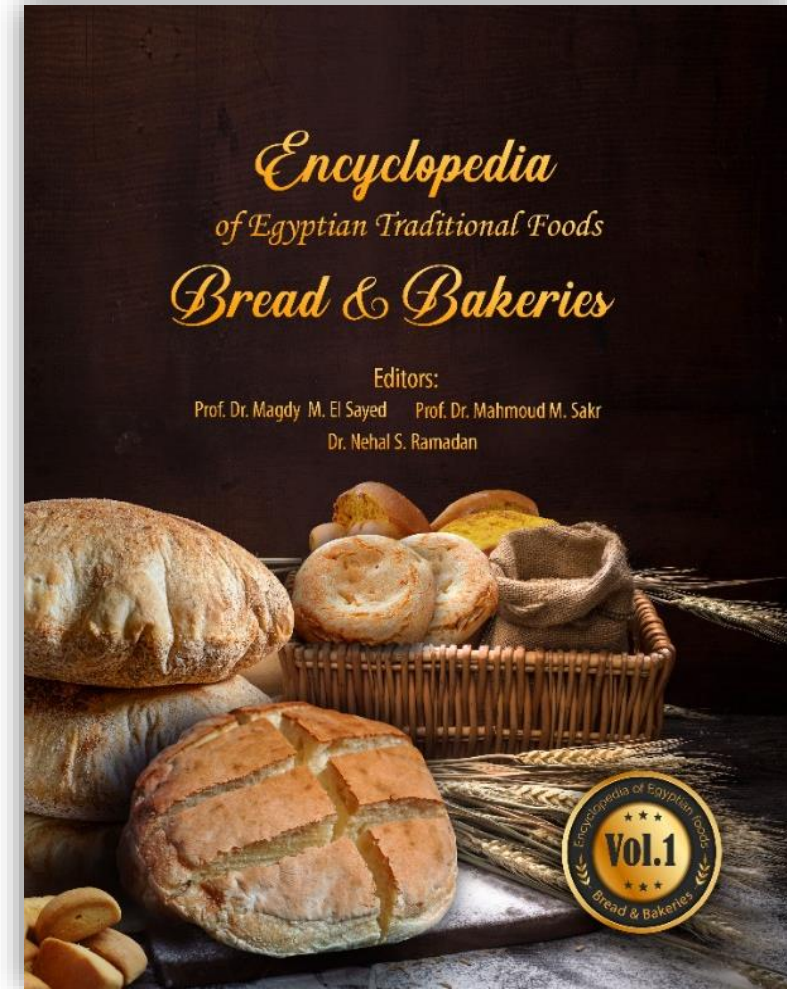
- ❖ Constructing an Egyptian genomic reference database which will lead to improvements in the delivery of precision and personalized medicine.
- ❖ Studying of genomes of ancient Egyptian Mummies.
- ❖ National Capacity Building in Genome Research, Bioinformatics, Super Computing and big Data Analysis
- ❖ Establishing of Egypt Genome Centre
- ❖ Studying exomes of genes that are associated with common and rare diseases in the Egyptian population.



B- Indigenous Knowledge and Knowledge sharing



- 1- Encyclopedia of Wild Plants
- 2- Gene Banks
- 3- National Network of Herbaria
- 4- Encyclopedia of Egyptian Traditional Foods
- 5- Nature Conservation Conf.
- 6- Botanical Garden
- 7- National Network of Microbial Cultural Collections



Conclusion

الخلاصة

Confrontation of today's multiple and complex crises such as Pandemics, Climate Change, Geopolitical Conflicts, Wars, and unprecedented natural disasters necessitates Open Science more than ever.

ان مجابهة التحديات الراهنة المعقدة من صراعات جيوسياسية وتغيرات مناخية وحروب وكوارث طبيعية يستلزم أكثر من أي وقت مضى العلم المفتوح

Thank You

Mangrove Forest, Red Sea Coast, Shalateen, March 2015,
@ Mahmoud Sakr

