

Open Access and its Implications for Knowledge Equity in the North African countries

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1/ Scientific production of the North african countries

Countries of
the North



Central
science



English
Prestigious
journals
International
thematics

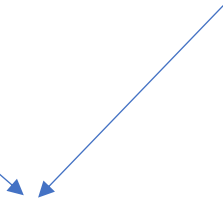
Countries of
the South



Peripheral
science

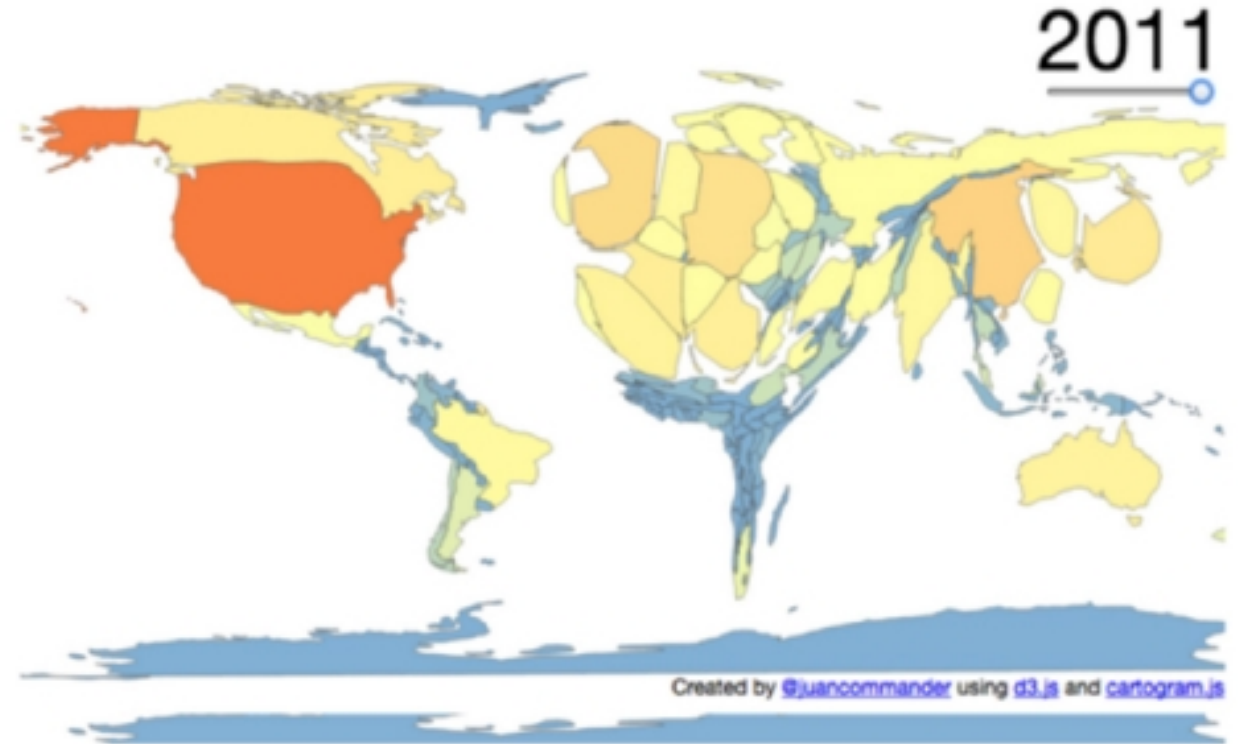


Local languages
Local journals
(paper)
National
thematics



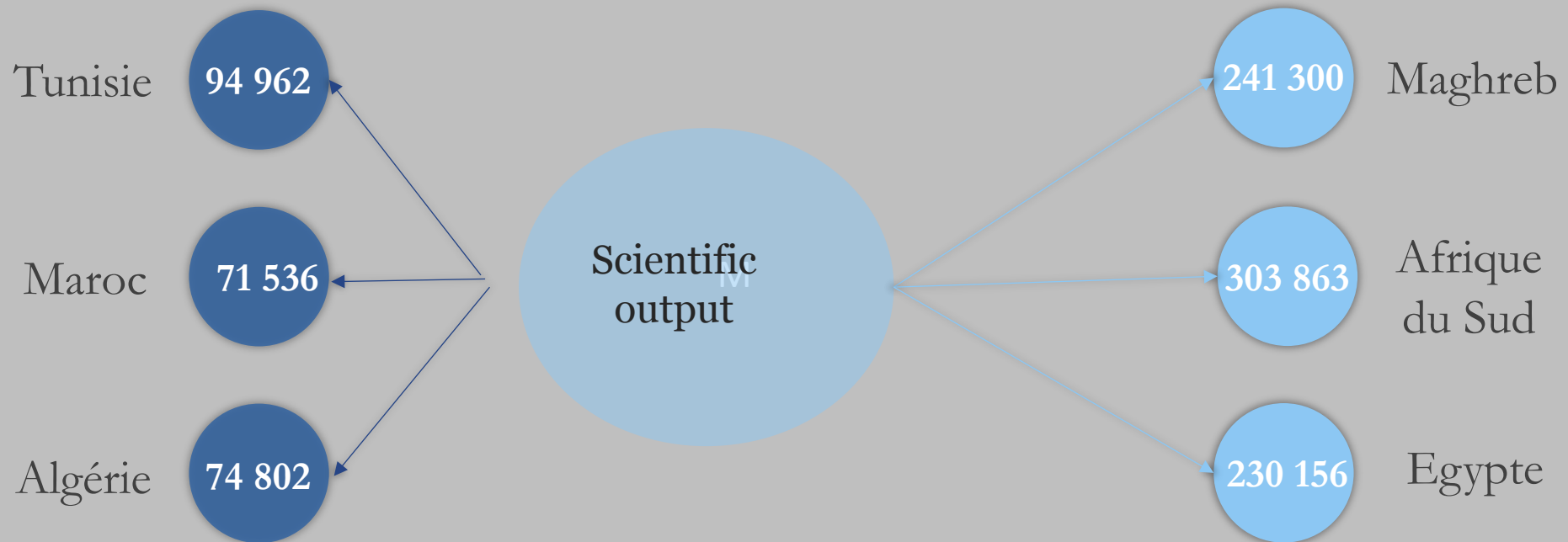
The visibility of science depends on the
hegemony of anglosaxon editors,
politics and technological advancement

World scaled by number of documents in Web of Science by Authors Living There



ALPERIN, J. P. (2013). World scaled by number of documents in Web of Science by Authors Living There. Consulté à l'adresse <http://jalperin.github.io/d3-cartogram/>

Scientific production of north african countries 1996-2019



Scientific output in the Scimago journal

	Pourcentage of The World	Pourcentage of arab countries	Pourcentage of Africa
Morocco	0,25	7,57	7,57
Algeria	0,26	7,73	7,73
Tunisia	0,25	7,45	7,45
Egypt	0,77	23,14	23,14
South Africa	0,85		25,55

Research priorities in Morocco

National Health priorities

Occurrence dans le corpus (%)

Cancer

13,1%

Gène

Mortalité maternelle

Diabète

Tuberculose

SIDA

Entre 1% et 6%

Maladies rares

Neurologie

Epidémiologie

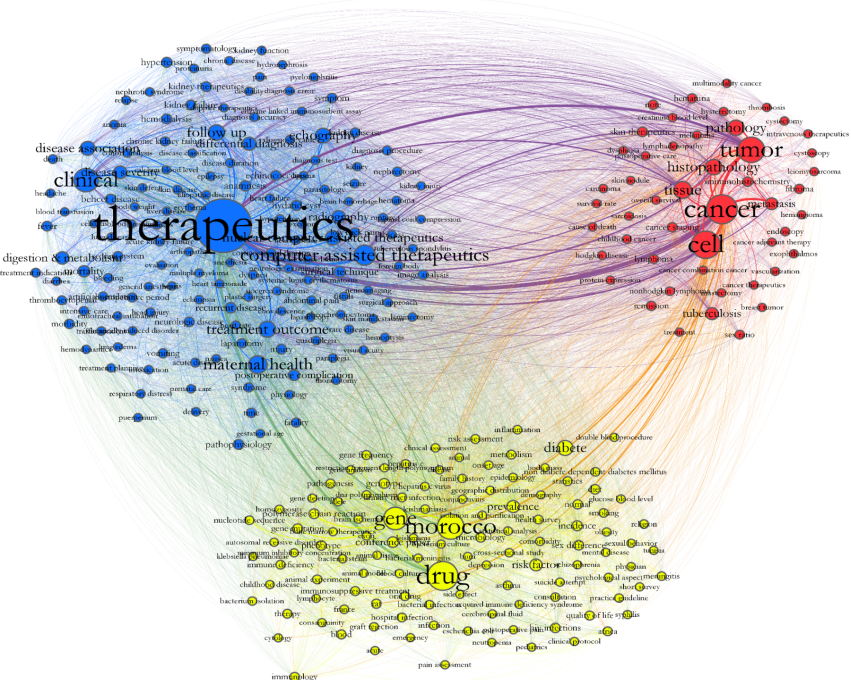
Leishmaniose

Hépatite

Infection respiratoire aiguë

Moins de 1%

Half of the national health priorities are covered by less than 1% of the production.



Context

- ✓ Restricted access to scientific information due to high subscription cost;
- ✓ Publications of developing countries are not disseminated as widely as possible;
- ✓ Low production and visibility of researchers;
- ✓ Difficulties to publish in prestigious journal;
- ✓ Internet penetration
- ✓ Information literacy...



Challenge

- ✓ Optimize the access to scientific information
- ✓ Contribute to global scientific community and resolve local research problem;
- ✓ Promote and make the local knowledge more visible (national journals);
- ✓ Enhance the visibility for authors and for institutions (open repositories).

Open Access

- ✓ OA provide many opportunities for researchers to enhance their impact, integrate the international community and contribute to develop the research in their countries;
- ✓ Open access journals and institutional repositories show some successes in Africa and in the arab world.

Open Science

The big challenge is not only to have access and visibility but to integrate an open science for a sustainable development.

« An open and collaborative science (open access, data and bibliographic sharing, public engagement with civil society, citizen science ». Florence Piron



Tool of empowerment of arab countries

Open Science

« A science calling for cognitive justice when every one could contribute with their knowledge to the commons of knowledge regardless of their country, social clans, gender »

2/ Open Access in the North African countries

Initiatives

Call for open access development



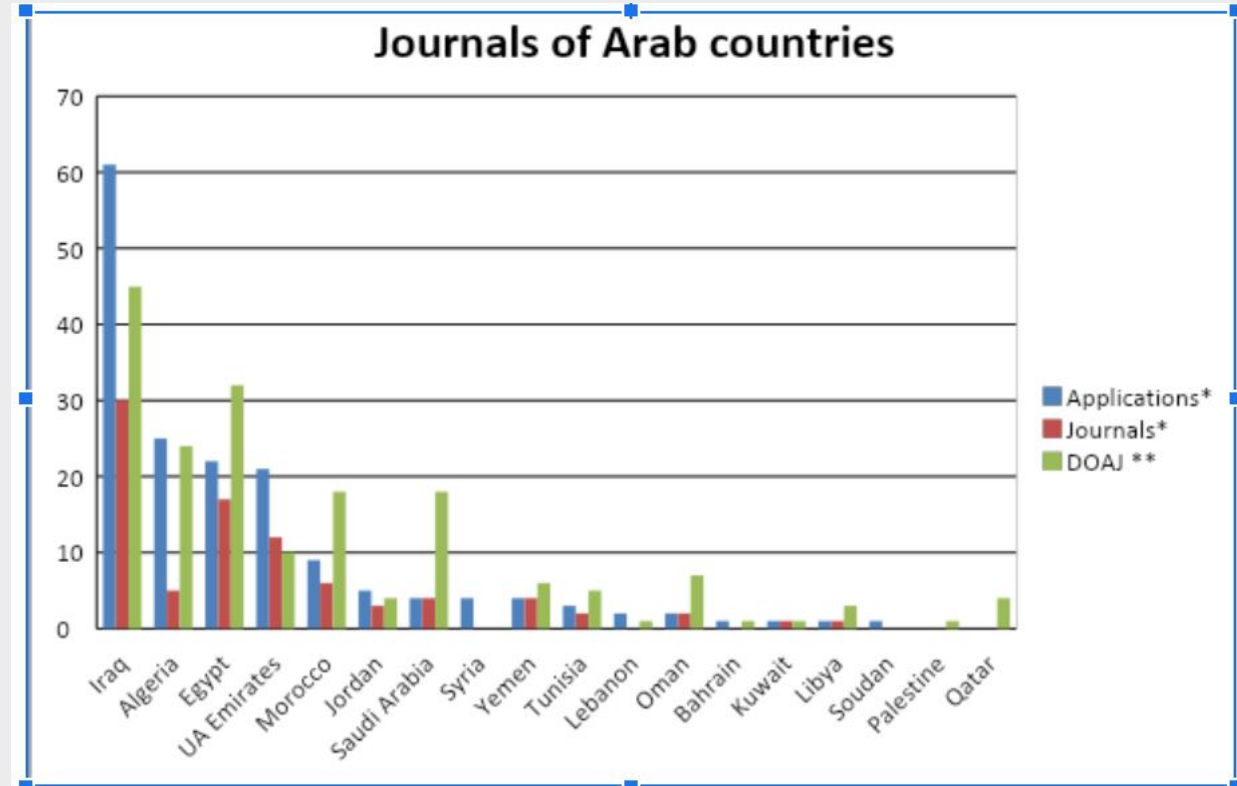
- ✓ Nidaear-Riyad in 2006
- ✓ Nidae ar- Ribat in 2018
 - Creation of open repositories;
 - Promotion of open access to scientific information for a sustainable development;
 - Definition of national policies;
 -

Source: https://icoa2018.sciencesconf.org/data/actes_icoa18_fr.pdf

Open access in the arab world

Country	DOAJ
Iraq	45
Algeria	24
Egypt	32
UA Emirates	10
Morocco	18
Jordan	4
Saudi Arabia	18
Yemen	6
Tunisia	5
Lebanon	1
Oman	7
Bahrain	1
Kuwait	1
Libya	3
Palestine	1
Qatar	4
Total	180

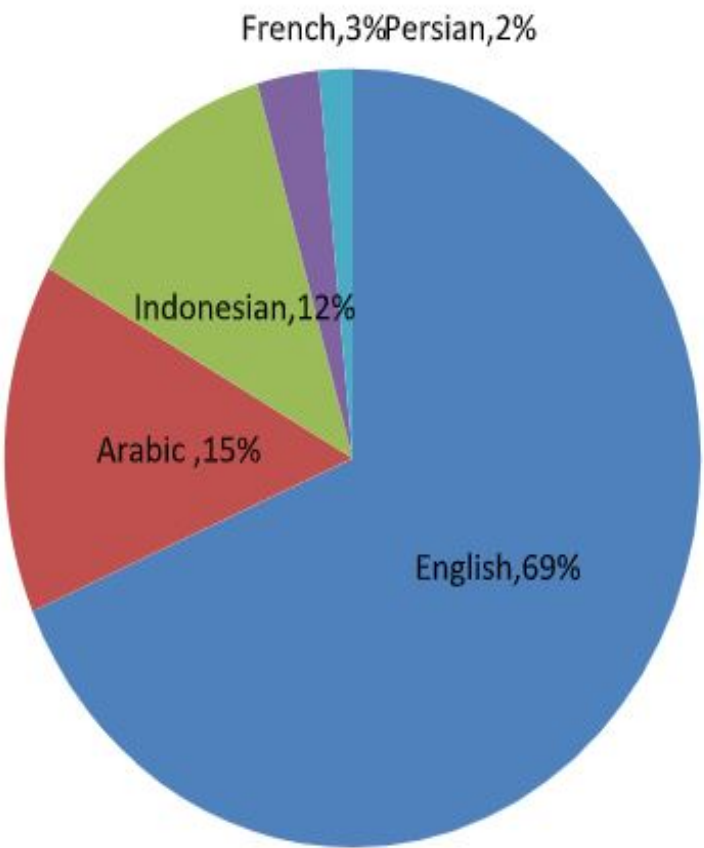
Directory of open access journal DOAJ



Language of publications in the DOAJ

	English	Arabic	French
DOAJ Journals	10.859	161	985

The national language represents 15%



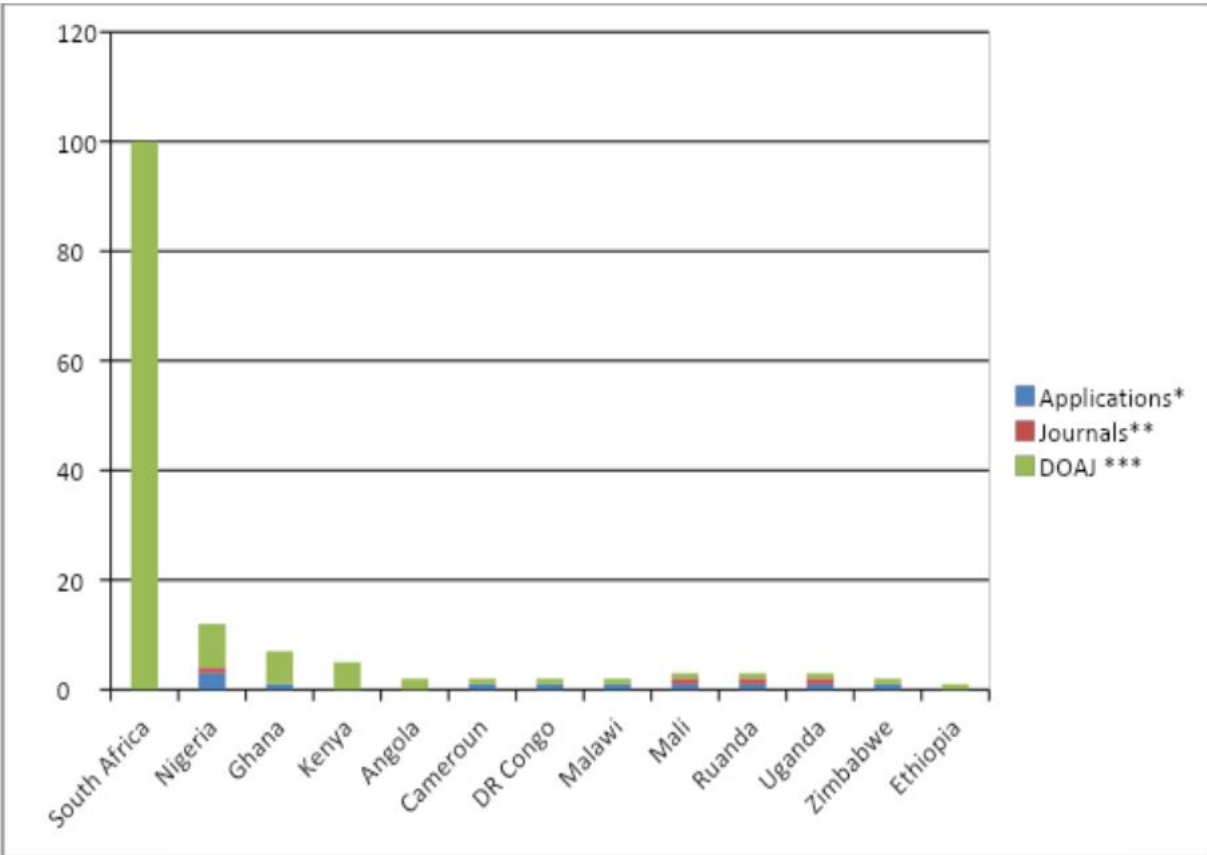
CC licenses in the DOAJ

Licence CC	%
CC BY	41%
CC BY-NC	22%
CC BY-SA	16%
CC BY-NC-SA	13%
CC BY-NC-ND	8%

- ✓ CC BY is the most used license
- ✓ It offers a large diffusion and use of open access journals in the arab region

Open access in the arab world

AJOL



Initiatives

DFAJ



The [Directory of Free Arab Journals \(DFAJ\)](#) is an initiative of Middle Eastern Open Access activists aiming at producing a directory of all open access (OA) scientific journals produced in Arab countries.

- 250 journals
- 172 publishers
- 17 Arab countries.

Open access journals- Morocco



<https://revues.imist.ma/>

ASJP

Algerian Scientific Journal Platform

Arab Journals Platform



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Publication Journal for Open Access & Publishing



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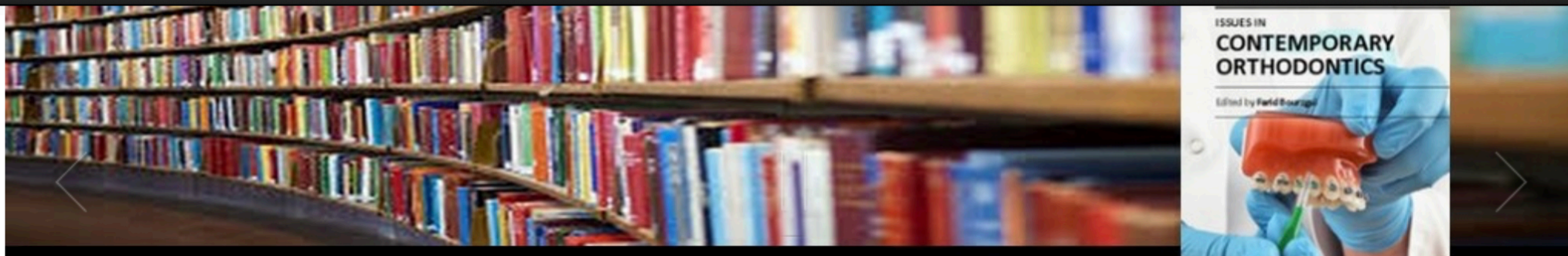
Home



Egyptian Knowledge Bank
بنك المعرفة المصري

3/ DREAM

**Digital resources and electronic open access library
Of Morocco.**



CONTEMPORARY ORTHODONTICS - FARID BOURZGUI



Communities in DSpace

Choose a community to browse its collections.

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Morocco

Tunisia

Discover

Author

Lassri, H.	123
Belhaq, Mohamed	60
Krishnan, R.	52
Nadifi, Sellama	47
Largab, A.	42
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Subject

Morocco	111
Magnetization	30
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Date issued

2010 - 2019	1279
2000 - 2009	813
1990 - 1999	273
1980 - 1989	59
1974 - 1979	1

Has File(s)

true	2403
false	22



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Date de publication	Titre	Auteur(s)
2003	Maladie de behçet	<i>Chiheb, S; Chakib, A; Lakhdar, H</i>
2004	Syndrome de Glougerot-Sjögren exceptionnel révélé par une vascularite cutanée et complique d'ostéomalacie	<i>Akhdari, N; Chiheb, S; Nejjam, F; Lakhdar, H</i>
2004	Lésions ulcéro-necrotiques des orteils	<i>Akhdari, N; Chiheb, S; Belloul, L; Nejjam, F;</i>

Discover

Author

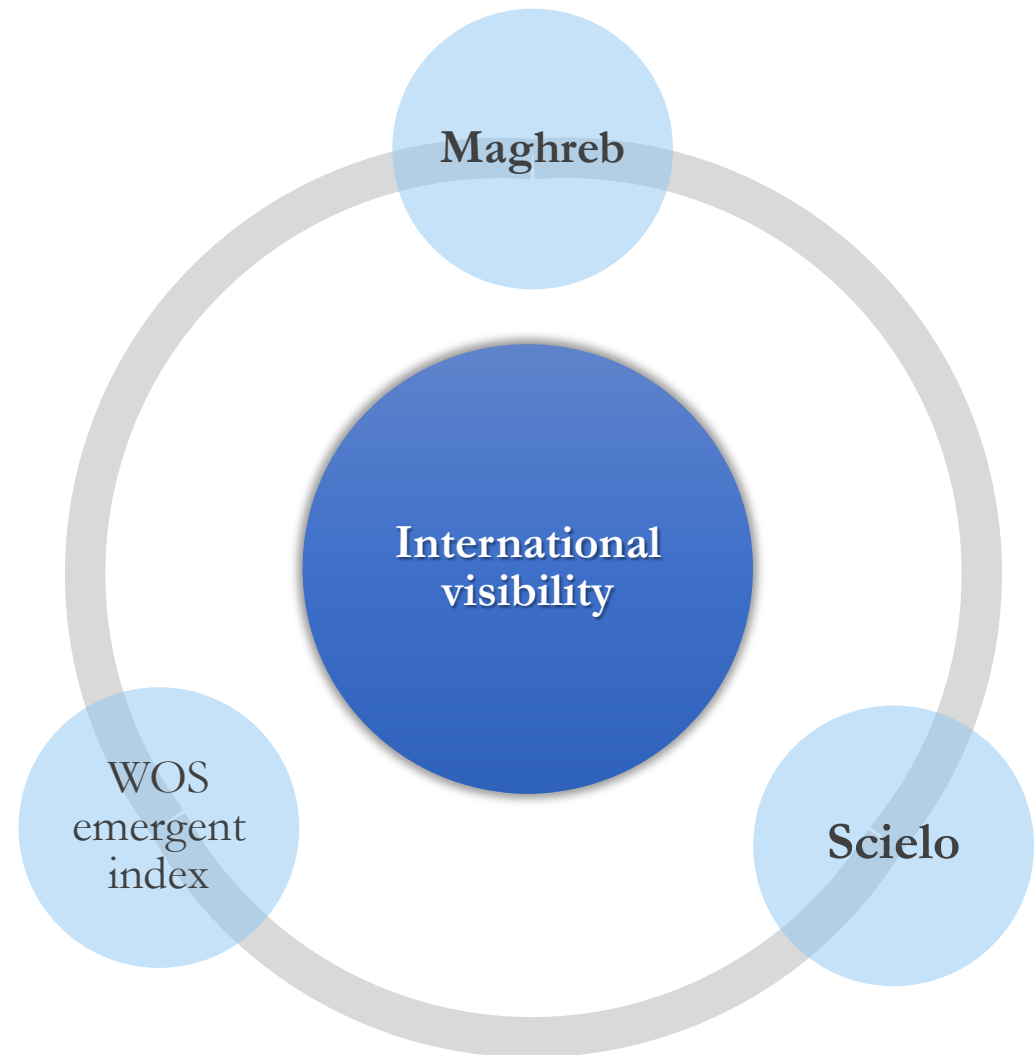
[Benchikhi, H](#)[113](#)[Benaguida, M](#)[61](#)[Bennis, A](#)[59](#)[Barrou, L](#)[50](#)[Chraibi, N](#)[48](#)[Harti, A](#)[46](#)[Idali, B](#)[42](#)[Zamiati, S](#)[42](#)[Lakhdar, H](#)[40](#)[Mjahed, K](#)[40](#)[next >](#)

Subject

[Appareil digestif pathologie](#) [17](#)

Dream is a unifying Project such as Scielo (Scientific Electronic Library Online) will contribute to strengthen the collaboration between arabic countries;

A project that take into account international research and local specificities.



DREAM

- ✓ Bridge the digital gap, improve research visibility and provide knowledge resources in the Arab region
- ✓ Index, to ensure the visibility for the local OA journals' published in the local languages`
- ✓ Offer indicators of evaluation of the scientific production to the publishers in the Arab world.
- ✓ Provides free access to users in a variety of languages, including Arabic, French and english

DREAM

By choosing the North african region, we want to coordinate and conjugate our efforts to the initiatives led by Open Access journals Arab platforms;

We believe that making full-text articles in scholarly journals published by Arab universities openly accessible and creating an open archive that meets international quality standards are the best tools for increasing the visibility of the academic publishing and sharing the Arab knowledge around the world.

DREAM

Country	Users
United State	109 408
Morocco	7460
France	3230
Algeria	1943
Belgium	1580
Australia	1119
China	1079

DREAM

- Our project presents the originality of covering both national and international publications and offering a range of services around the open archive to facilitate easy and quick access to information resources including MOOC, conferences, e-Learning, etc.



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شکریہ

thanks