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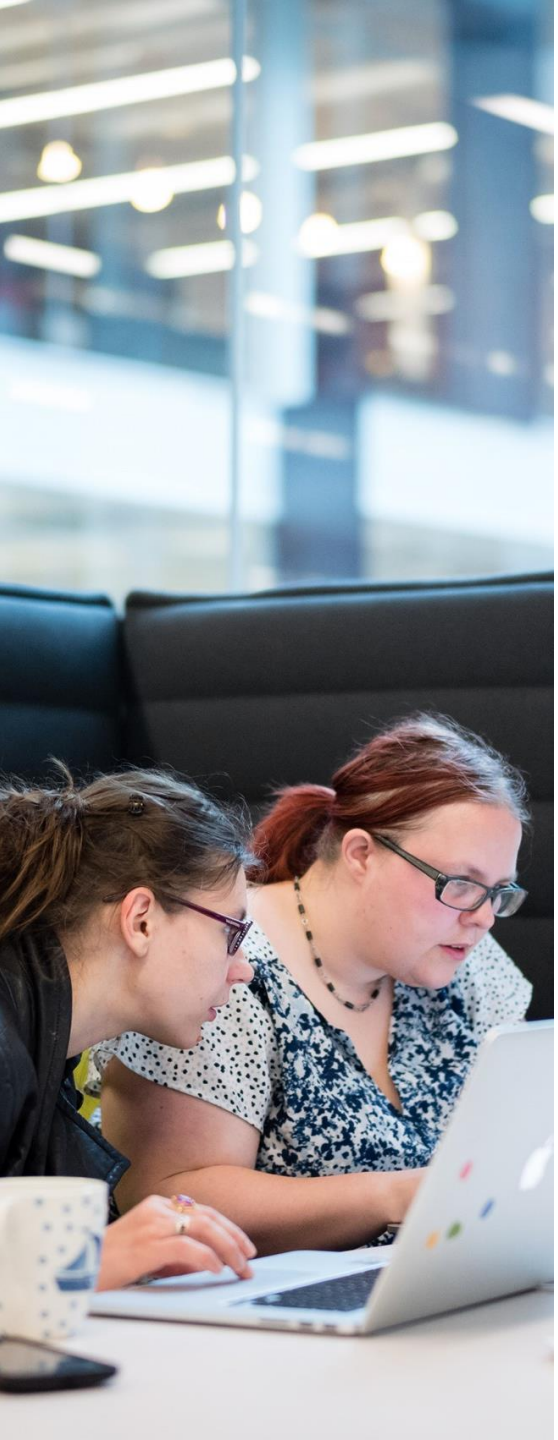

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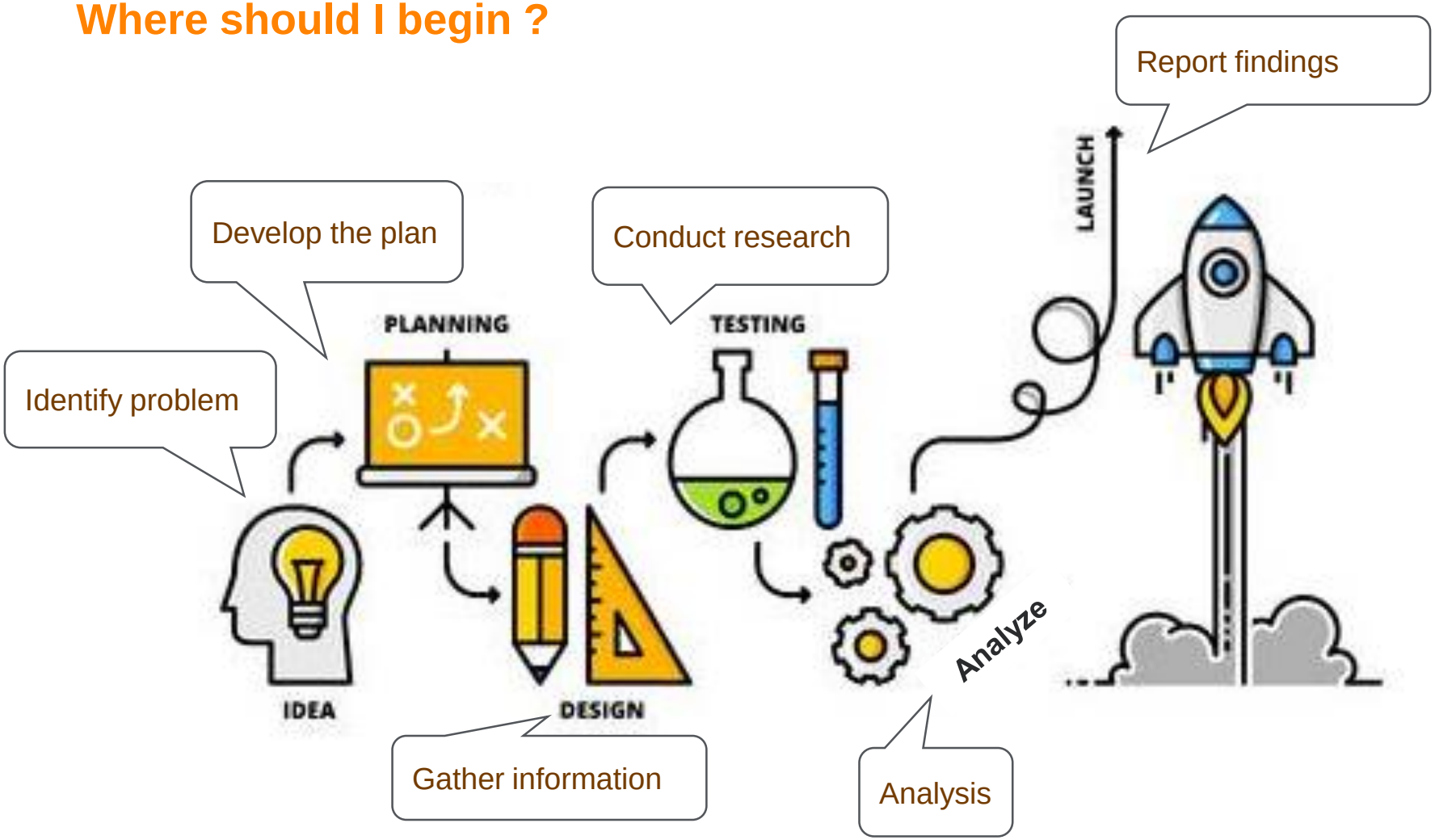
Agenda

Research Process : What I must do?

Where should I begin ?



Take 2 minutes and think about your research project.

Example : My Research

Research process	Ideas and action items
Identify problem	“We faces worst drought in decade.” “Is it due to the global warming?” “We must manage our water resources better - But what should we do”
Develop the plan	Search for the research in this topic - What is the trend ? - Who are key researchers in this field? - How do they conduct the research? - Etc.
Gather information	Need information about - Global warming and climate change effect on water resources - Water resources management - Natural science of water - Sampling methods and measurement - Etc.
Conduct research	Read and understand methodologies
Analysis	Learn how to record, analyze, interpret the data
Report findings	Learn how to present sent the data Choose the journal to publish Prepare for the viva or conference

Dept warns of worst drought in decade

PUBLISHED : 17 JUL 2019 AT 04:00

NEWSPAPER SECTION: NEWS
WRITER: POST REPORTERS

815 51

Reserved water drops to 10% of the total capacity of the Phimai dam in Phimai district of Nakhon Ratchasima province this week. (Photo by Prasit Tangprasert)

Need the holistic view : Help me Scopus!

Who is doing what? And what should I do?

....When they say, "I've done my research... Vaccines definitely cause Autism. And the world is definitely flat..." 😂😜

vs

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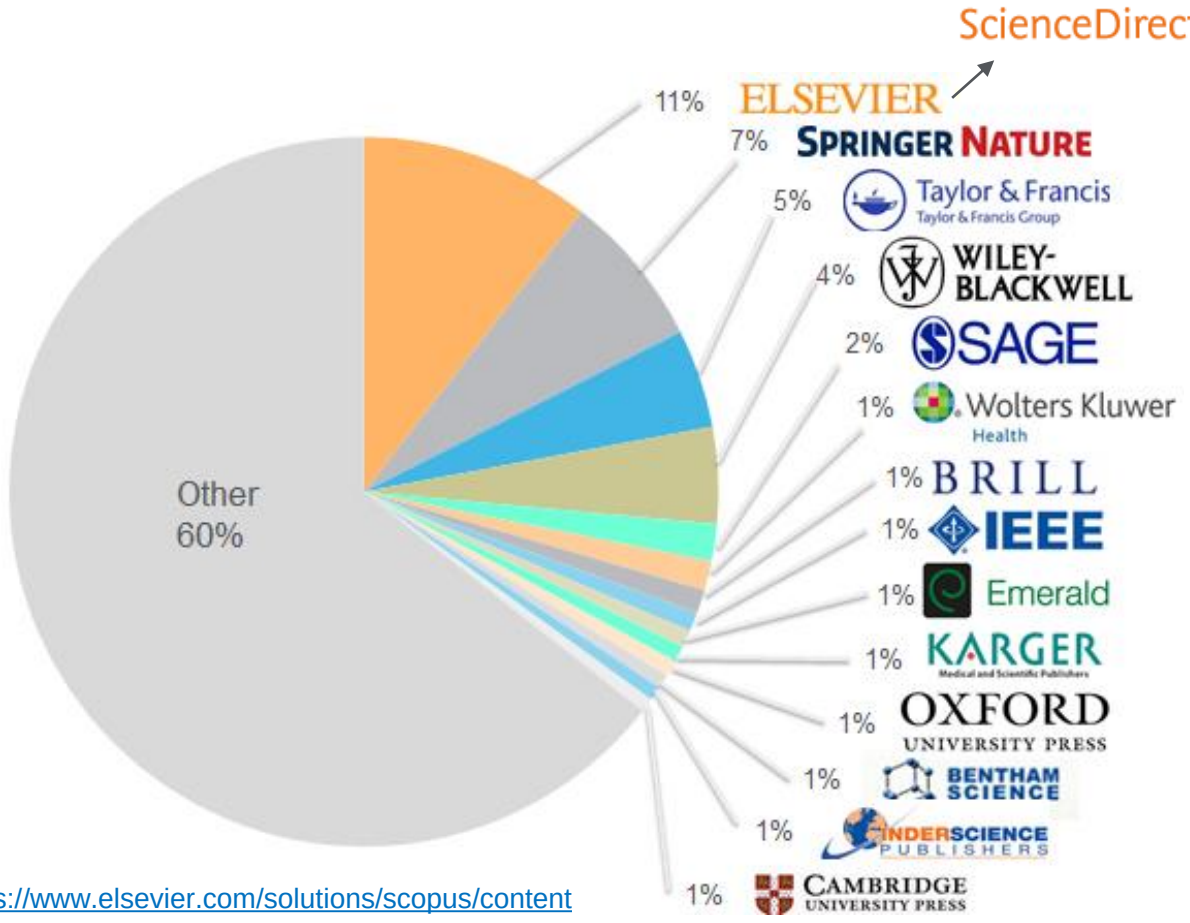

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Health Sciences	13,819
Social Sciences	10,905
Life Sciences	6,809

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23,507
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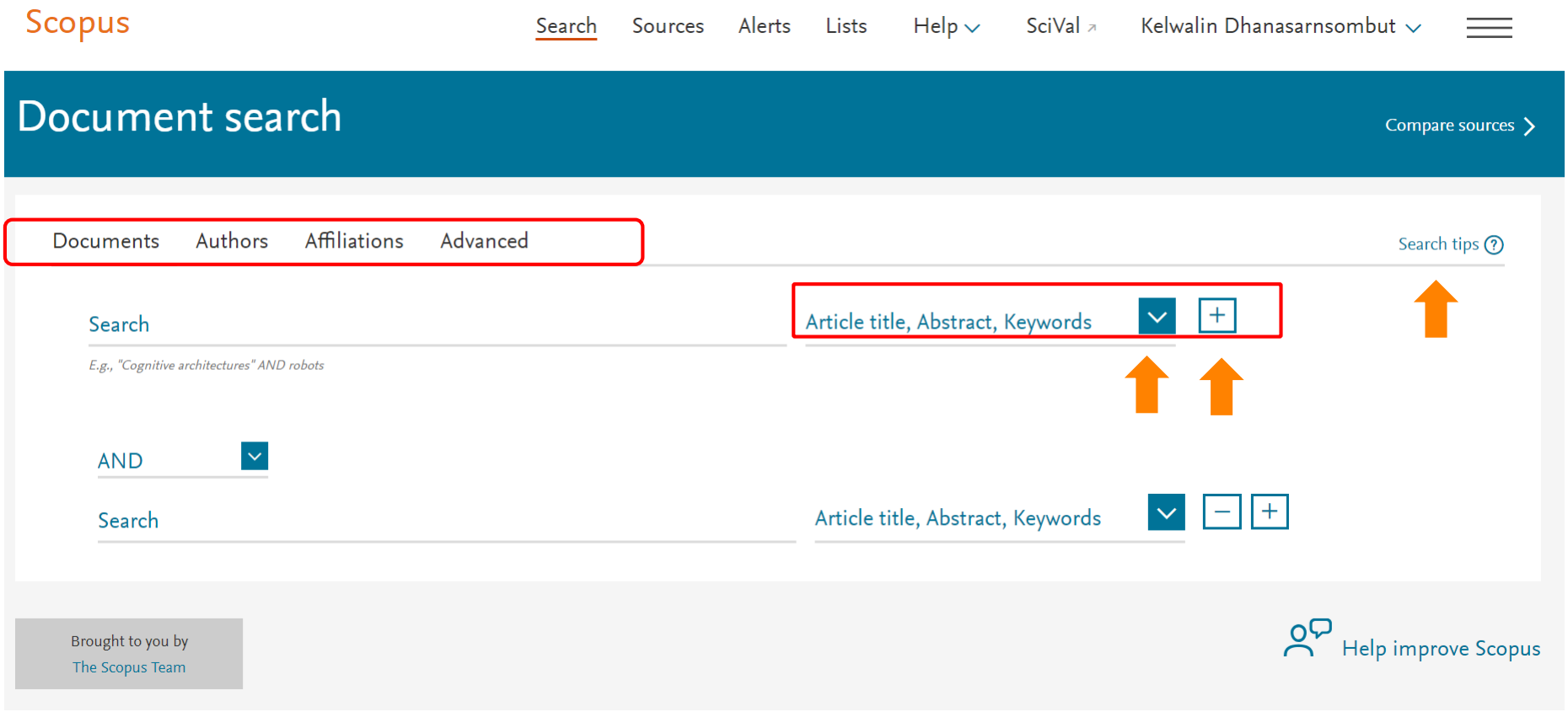
Time to explore: conduct the search



Useful search tips: Search Functionality

Choosing Search Terms

- Use specific search terms that are closely related to your research topic
- Include alternative words and abbreviations
- Avoid words that are too general

Use Boolean Operators

- AND
  - Finds documents that contain ALL of the terms
  - Use this when the terms must appear and may be far apart from each other
  - Example: “malaria” AND human
- OR
  - Finds documents that contain any of the terms
  - Use OR when at least one of the terms must appear (such as synonyms, alternate spellings, or abbreviations)
  - Example: “pain-killer” OR “anti-inflammatory”)
- NOT
  - Excludes documents that include the specified term from the search
  - Use NOT to exclude specific terms. This connector must be used at the end of a search.
  - Example: “translation” AND NOT language*

Search Functionality (cont.)

- To search for an exact phrase, including any stop words, spaces and punctuation, enclose the phrase in :

  braces
  {Thermal Performance Investigation on the Boarding Bridge of Beijing's Capital Airport}

  or inverted commas **“South East Asia”**

- Special characters (**TNF-α**, **El Niño**), chemical notations (**$C_6H_{12}O_6$**) are included in the search

- Question mark (?) replaces a single character anywhere in a word. Use 1 question mark for each character you want to replace
  colo?r returns both *color* and *colour*
  ?esophagus returns both *oesophagus* and *esophagus*

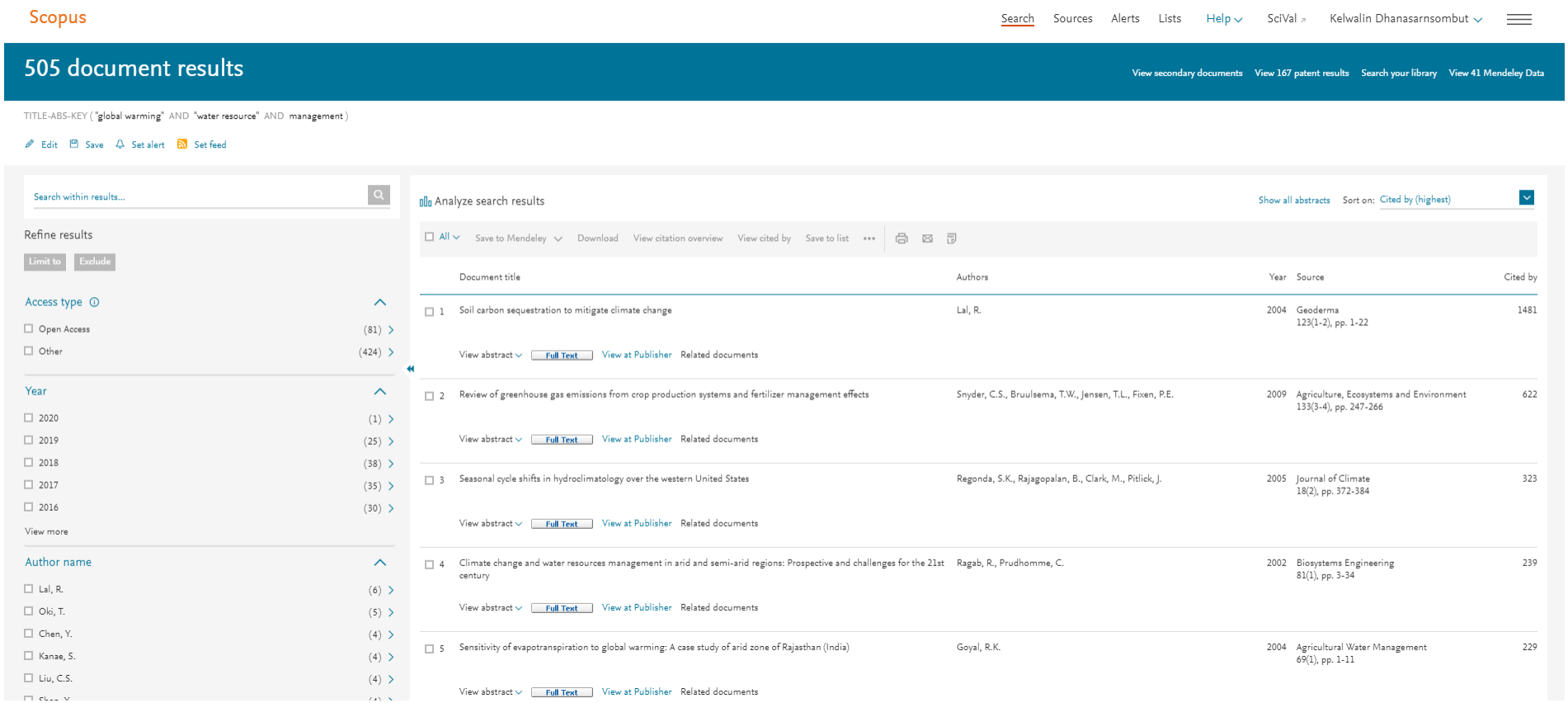
- Asterisk (*) replaces multiple characters anywhere in a word; it can be used to replace 0 and more characters.
  adolescen* retrieves *adolescent*, *adolescents*, or *adolescence*

Example

"I want to research in global warming effects on water resource management I need to do the literature review and stay up-to-date."

- What keywords should I use?

global warming" AND "water resource" AND management
set parameter for titles, abstracts, keywords



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6	Climate impacts on European agriculture and water management in the context of adaptation and mitigation-The importance of an integrated approach	Falloon, P., Betts, R.	2010	Science of the Total Environment 408(23), pp. 5667-5687	212

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7	Dual purpose microalgae-bacteria-based systems that treat wastewater and produce biodiesel and chemical products within a Biorefinery	Olguín, E.J.	2012	Biotechnology Advances 30(5), pp. 1031-1046	203

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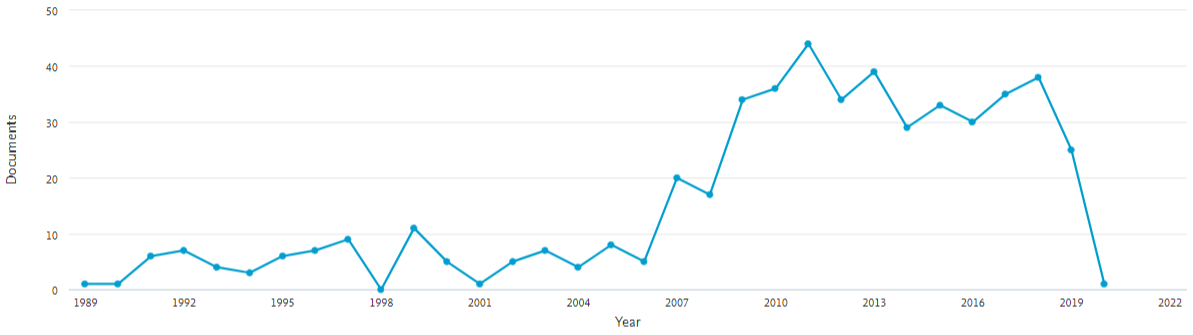
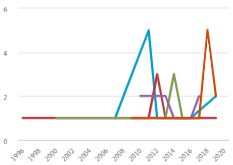


Who are the main players in this field ?

Click on cards below to see additional data.

Documents per year by source



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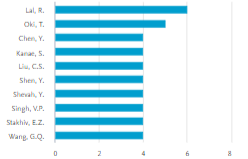

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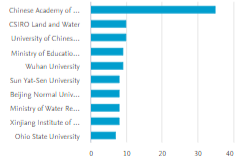

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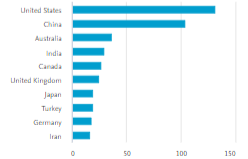

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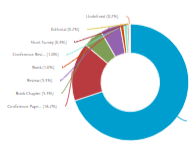

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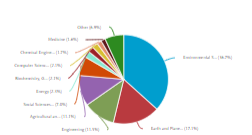
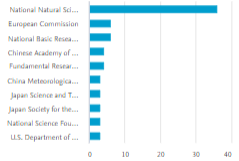


Which institutes are focusing on this research area?

Documents by funding sponsor



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Climate impacts on European agriculture and water management in the context of adaptation and mitigation-The importance of an integrated approach (Article)

Falloon, P., Betts, R.

Met Office Hadley Centre, Fitzroy Road, Exeter, Devon EX1 3PB, United Kingdom

Abstract

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We review and qualitatively assess the importance of interactions and feedbacks in assessing climate change impacts on water and agriculture in Europe. We focus particularly on the impact of future hydrological changes on agricultural greenhouse gas (GHG) mitigation and adaptation options. Future projected trends in European agriculture include northward movement of crop suitability zones and increasing crop productivity in Northern Europe, but declining productivity and suitability in Southern Europe. This may be accompanied by a widening of water resource differences between the North and South, and an increase in extreme rainfall events and droughts. Changes in future hydrology and water management practices will influence agricultural adaptation measures and alter the effectiveness of agricultural mitigation strategies. These interactions are often highly complex and influenced by a number of factors which are themselves influenced by climate. Mainly positive impacts may be anticipated for Northern Europe, where agricultural adaptation may be shaped by reduced vulnerability of production, increased water supply and reduced water demand. However, increasing flood hazards may present challenges for agriculture, and summer irrigation shortages may result from earlier spring runoff peaks in some regions. Conversely, the need for effective adaptation will be greatest in Southern Europe as a result of increased production vulnerability, reduced water supply and increased demands for irrigation. Increasing flood and drought risks will further contribute to the need for robust management practices.The impacts of future hydrological changes on agricultural mitigation in Europe will depend on the balance between changes in productivity and rates of decomposition and GHG emission, both of which depend on climatic, land and management factors. Small increases in European soil organic carbon (SOC) stocks per unit land area are anticipated considering changes in climate, management and land use, although an overall reduction in the total stock may result from a smaller agricultural land area. Adaptation in the water sector could potentially provide additional benefits to agricultural production such as reduced flood risk and increased drought resilience.The two main sources of uncertainty in climate impacts on European agriculture and water management are projections of future climate and their resulting impacts on water and agriculture. Since changes in climate, agricultural ecosystems and hydrometeorology depend on complex interactions between the atmosphere, biosphere and hydrological cycle there is a need for more integrated approaches to climate impacts assessments. Methods for assessing options which "moderate" the impact of agriculture in the wider sense will also need to consider cross-sectoral impacts and socio-economic aspects. © 2009.

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Topic: Weather | Agroforestry | Wind speed

Prominence percentile: 36.867

Author keywords

Adaptation | Agriculture | Climate change | Europe | GHG mitigation | Integration | Water

Indexed keywords

Engineering uncontrolled terms: Adaptation | Agricultural ecosystems | Agricultural greenhouse | Agricultural land | Agricultural productions | Climate change impact | Climate impacts | Complex interaction | Crop productivity | Europe | European agriculture | Extreme rainfall | Flood hazards | Flood risks | Future climate | GHG emission | GHG mitigation | Hydrological changes | Hydrological cycles | Hydrometeorology | Integrated approach | Land areas | Management practices | Mitigation strategy | Per unit | Sectoral impacts | Socioeconomic aspects | Soil organic carbon | Sources of uncertainty | Southern Europe | Water demand | Water sector

Engineering controlled terms: Crops | Drought | Economics | Ecosystems | Flood control | Global warming | Greenhouse gases | Integrated control | Irrigation | Management

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And another wicked trick.

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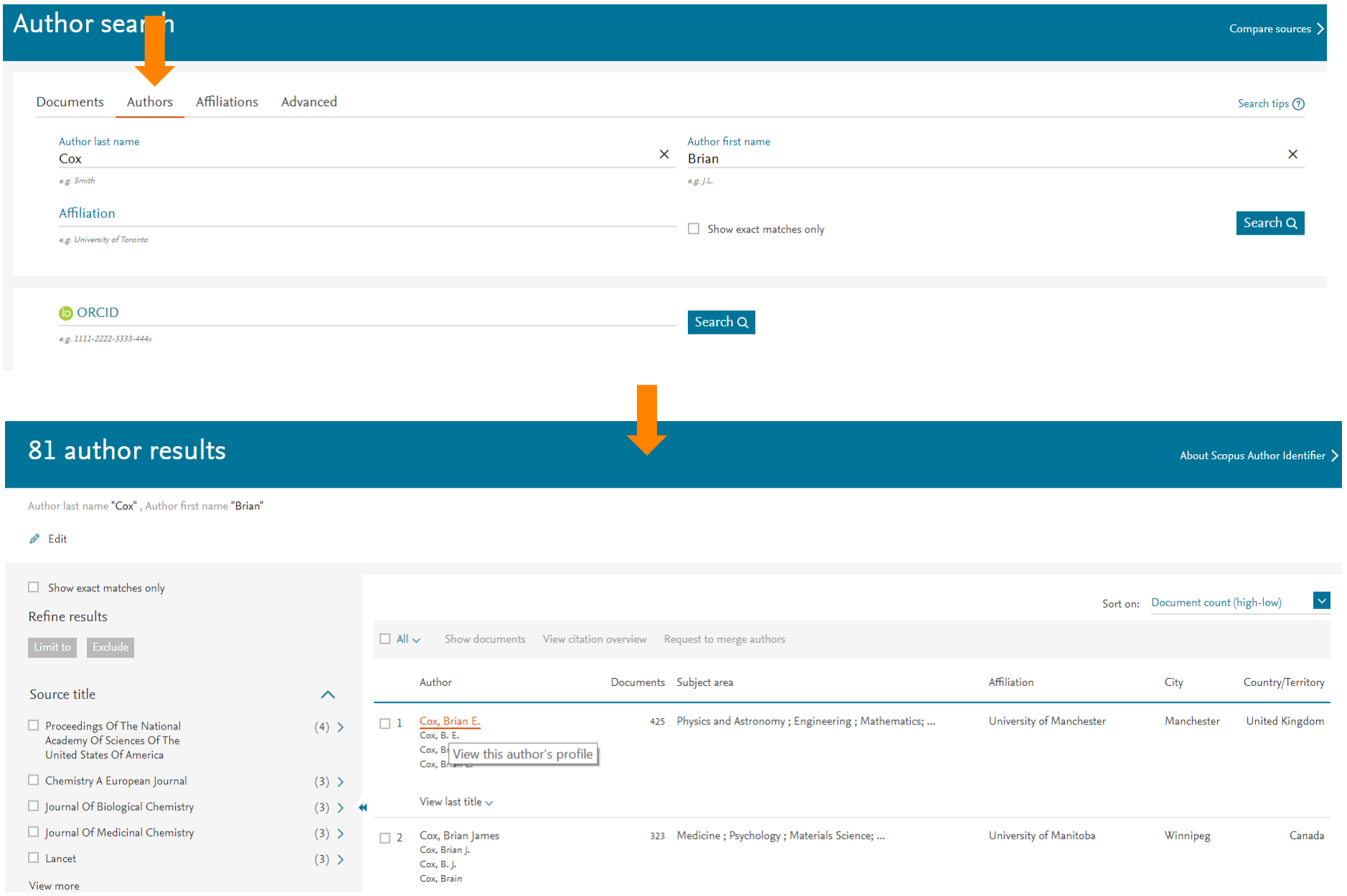
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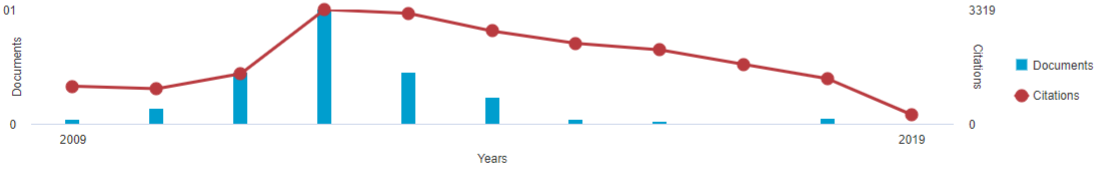

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Measurement of the production cross-section of a single top quark in association with a Z boson in proton–proton collisions at 13 TeV with the ATLAS detector Open Access	Aaboud, M., Aad, G., Abbott, B., (...), zur Nedden, M., Zwalinski, L.	2018	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics 780, pp. 557-577	4

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Cox, Brian E.
University of Manchester, Manchester, United Kingdom
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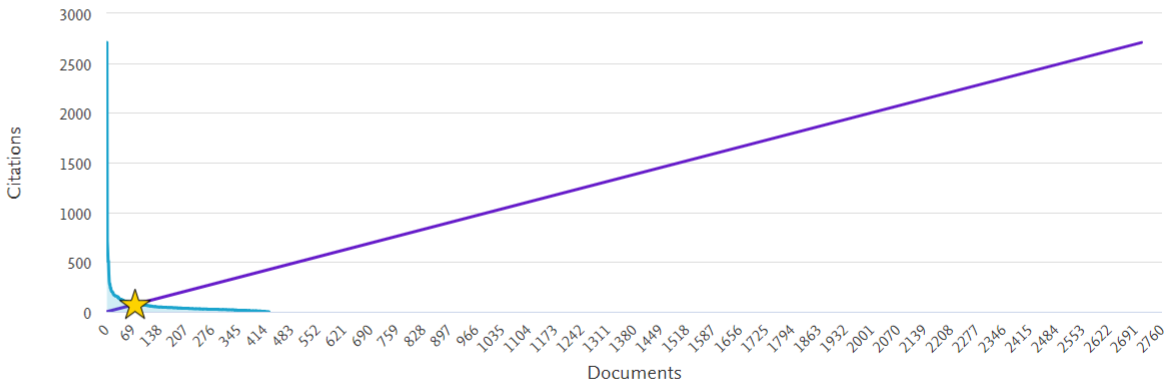

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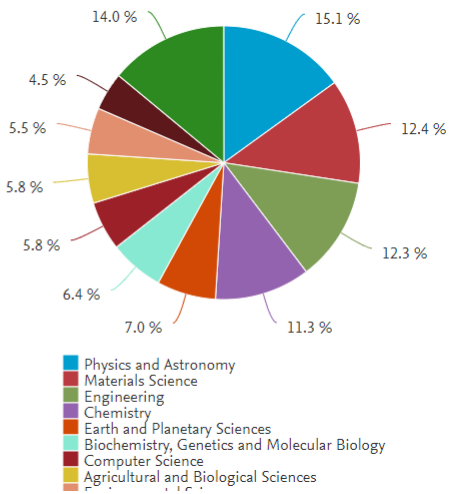

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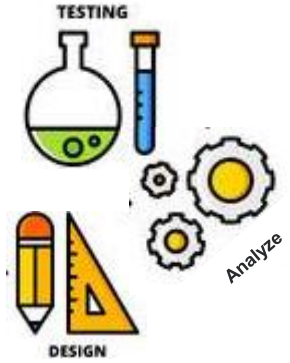

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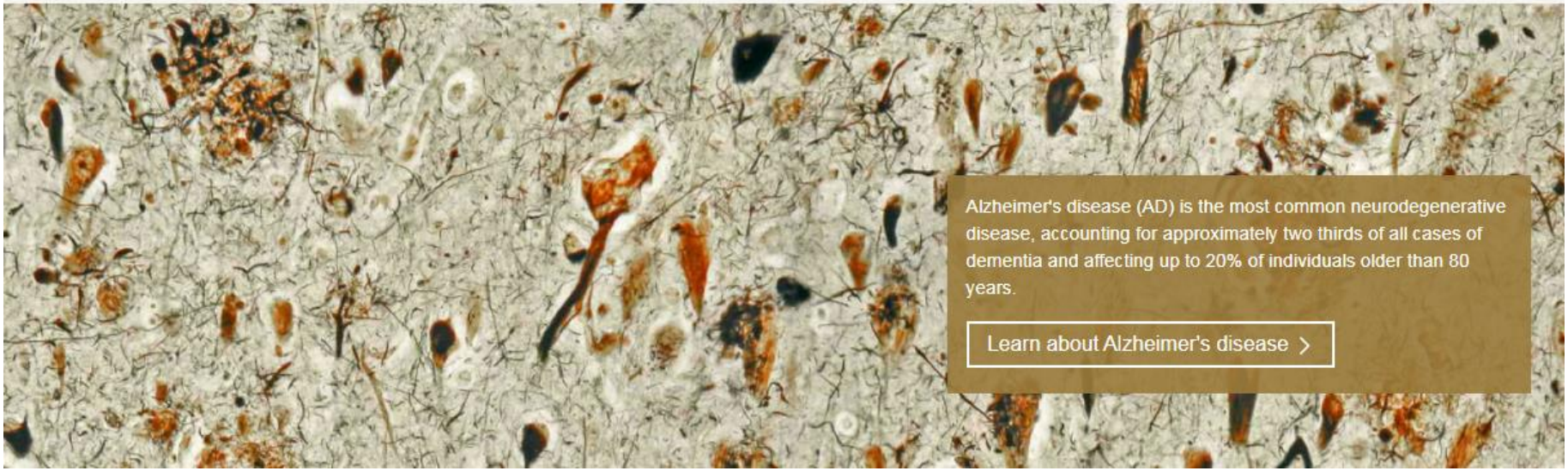

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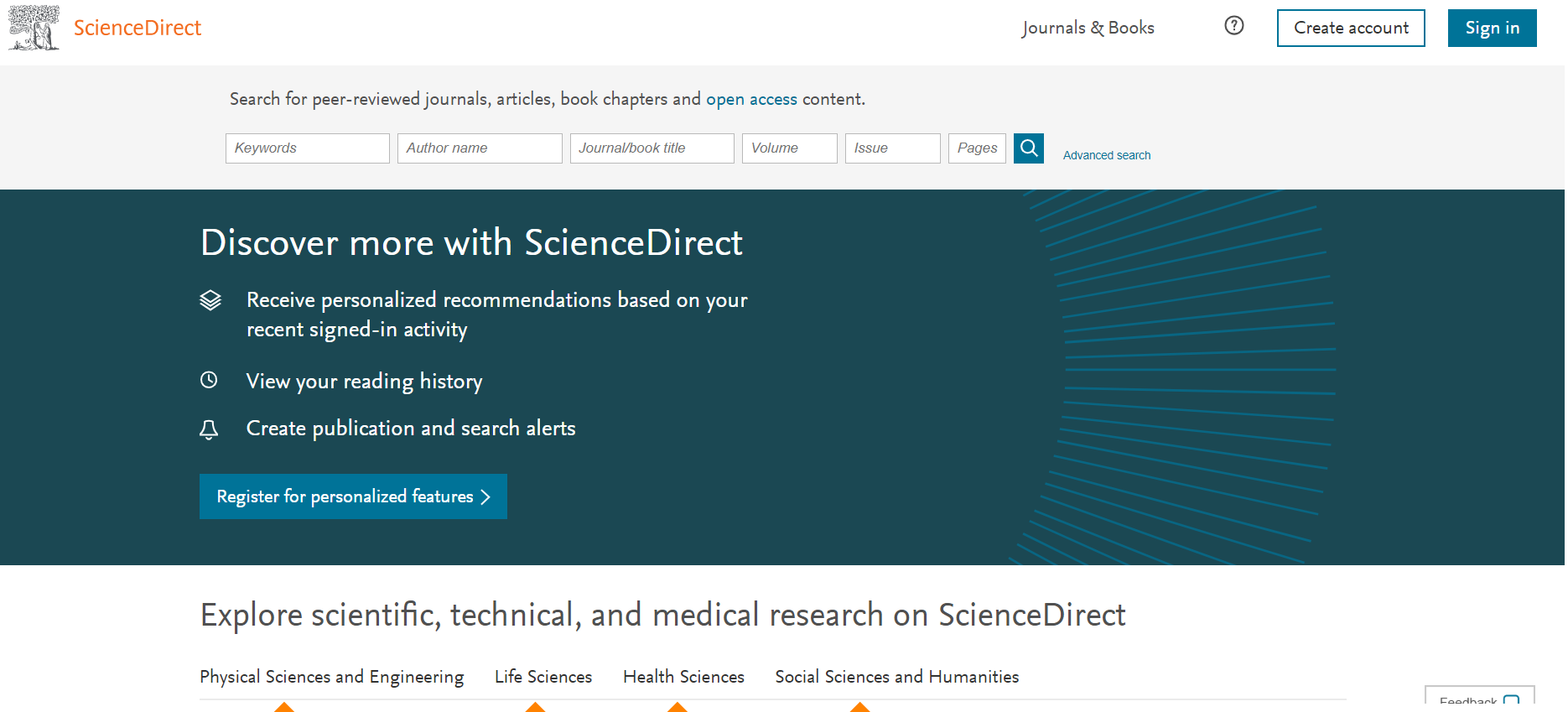

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- Abstract
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- 5. Conclusions
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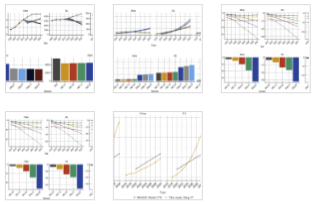

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Published: 2017-12

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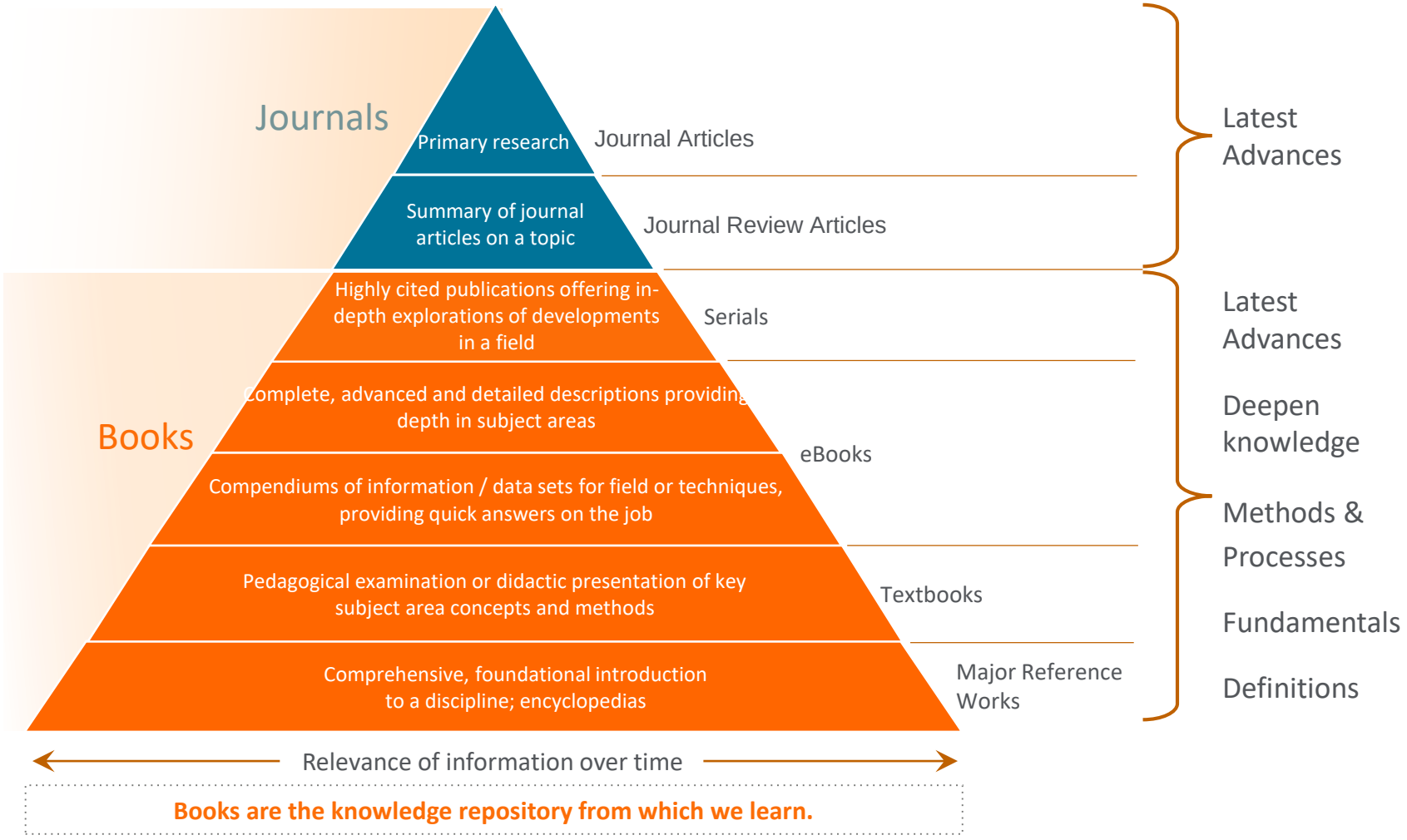

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Advances in Climate Change Research

Volume 8, Issue 4, December 2017, Pages 226-234

The impacts of U.S. withdrawal from the Paris Agreement on the carbon emission space and mitigation cost of China, EU, and Japan under the constraints of the global carbon emission space

Han-Cheng Dai [a], Hai-Bin Zhang [b], Wen-Tao Wang [c]

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https://doi.org/10.1016/j.accre.2017.09.003

Abstract

Based on the Computable General Equilibrium (CGE) model and scenario analysis, the impacts of the U.S. withdrawal from the Paris Agreement on the carbon emission space and mitigation cost in China, European Union (EU), and Japan are assessed under Nationally Determined Contributions (NDCs) and 2 °C scenarios due to the changed emission pathway of the U.S. The results show that, under the condition of constant global cumulative carbon emissions and a fixed burden-sharing scheme among countries, the failure of the U.S. to honor its NDC commitment to different degrees will increase the U.S. carbon emission space and decrease its mitigation cost. However, the carbon emission space of other parties, including China, EU, and Japan, will be reduced and their mitigation costs will be increased. In 2030, under the 2 °C target, the carbon price will increase by 4.4–14.6 US$ t^{-1} in China, by 9.7–35.4 US$ t^{-1} in the EU, and by 16.0–53.5 US$ t^{-1} in Japan. In addition, China, EU, and Japan will incur additional Gross Domestic Production (GDP) loss. Under the 2 °C target, the GDP loss of China would increase by US$22.0–71.1 billion (equivalent to 16.4–53.1 US$ per capita), the EU's GDP loss would increase by US$9.4–32.1 billion (equivalent to 20.7–71.1 US$ per capita), and Japan's GDP loss will increase by US$4.1–13.5 billion (equivalent to 34.3–111.6 US$ per capita).

Climate Change Mitigation

Climate change mitigation is a long-term measure aiming to reduce the amount of anthropogenic (human) emissions of GHG (Fisher et al., 2007; Oppenheimer et al., 2014Fisher et al., 2007Oppenheimer et al., 2014).

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Luca Sára Bródy, … Isabel Ruiz-Mallen, in Smart, Resilient and Transition Cities, 2018

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Climate change adaptation and mitigation strategies are usually addressed through top-down plans, while little attention is spent on

Barriers to Societal Response and a Strategic Action Plan Toward Climate Change Adaptation and Urban Resilience in Turkey

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- Citation
- PlumX Metrics
- Field-Weighted Citation Impact (FWCI)

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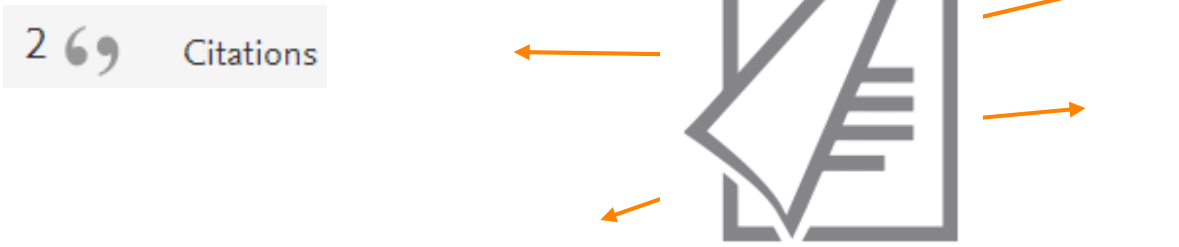

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Outline

Energy Procedia
Volume 141, December 2017, Pages 180-183

Effect of Cellulase-producing Microbial Consortium on Biogas Production from Lignocellulosic Biomass

Prapakorn Tantayotai [a], Peerapong Pornwongthong [b], Chotika Muenmuang [c], Theerawut Phusantisampan [d], Malinee Sriariyanun [e]

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https://doi.org/10.1016/j.egypro.2017.11.034

Abstract

The product of degraded lignocellulose is sugar which can be utilized by microbial consortium for biogas production. However, the hydrolysis of lignocellulose to produce sugar is addressed to be the rate-limiting step due to the complexity of lignocellulose that is barricade for enzyme accessibility. The aim of this work is to study the effect of a lignocellulose degrading microbial consortium to enhance the biogas production from rice straw. Microbial consortium were isolated from natural samples, including horse manure and decomposed wood. The cellulase activities of each microbial consortium derived from horse manure and decomposed wood were characterized to be endo-β-glucanase (0.417 and 0.434 U/mg), exo-β-glucanase (0.116 and 0.184 U/mg) and β-glucosidase (1.069 and 3.184 U/mg), respectively. The batch experiments for biogas production were performed to investigate the effect of each microbial consortia. The results showed that both microbial consortium enhanced the biogas production because the biogas yield increased to 109.60 and 161.49 ml/g

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Effect of Cellulase-producing Microbial Consortium on Biogas Production from Lignocellulosic Biomass

Citation Data: Energy Procedia, ISSN: 1876-6102, Vol: 141, Page: 180-183
Publication Year: 2017

2 Citations

26 Captures

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CAPTURES	**26**
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Article Description

The product of degraded lignocellulose is sugar which can be utilized by microbial consortium for biogas production. However, the hydrolysis of lignocellulose to produce sugar is addressed to be the rate-limiting step due to the complexity of lignocellulose that is barricade for enzyme accessibility. The aim of this work is to study the effect of a lignocellulose degrading microbial consortium to enhance the biogas production from rice straw. Microbial consortium were isolated from natural samples, including horse manure and decomposed wood. The cellulase activities of each microbial consortium derived from horse manure and decomposed wood were characterized to be endo-β-glucanase (0.417 and 0.

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AUTHOR(S):
Prapakorn Tantayotai; Peerapong Pornwongthong; Chotika Muenmuang; Theerawut Phusantisampan; Malinee Sriariyanun

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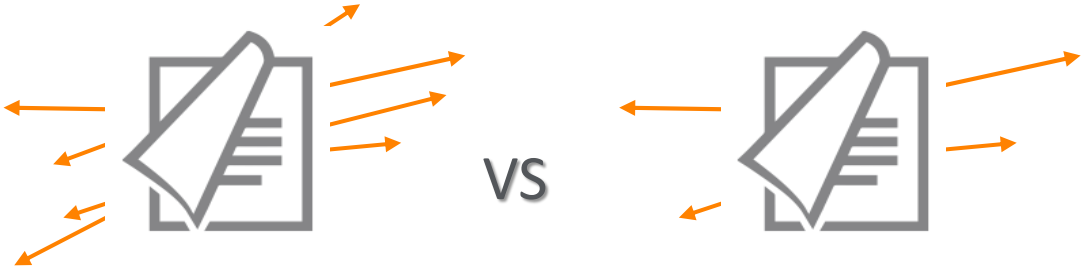

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Science of the Total Environment
Volume 408, Issue 23, 1 November 2010, Pages 5667-5687

Climate impacts on European agriculture and water management in the context of adaptation and mitigation-The importance of an integrated approach (Article)

Falloon, P., Betts, R.

Met Office Hadley Centre, Fitzroy Road, Exeter, Devon EX1 3PB, United Kingdom

Abstract

View references (222)

We review and qualitatively assess the importance of interactions and feedbacks in assessing climate change impacts on water and agriculture in Europe. We focus particularly on the impact of future hydrological changes on agricultural greenhouse gas (GHG) mitigation and adaptation options. Future projected trends in European agriculture include northward movement of crop suitability zones and increasing crop productivity in Northern Europe, but declining productivity and suitability in Southern Europe. This may be accompanied by a widening of water resource differences between the North and South, and an increase in extreme rainfall events and droughts. Changes in future hydrology and water management practices will influence agricultural adaptation measures and alter the effectiveness of agricultural mitigation strategies. These interactions are often highly complex and influenced by a number of factors which are themselves influenced by climate. Mainly positive impacts may be anticipated for Northern Europe, where agricultural adaptation may be shaped by reduced vulnerability of production, increased water supply and reduced water demand. However, increasing flood hazards may present challenges for agriculture, and summer irrigation shortages may result from earlier spring runoff peaks in some regions. Conversely, the need for effective adaptation will be greatest in Southern Europe as a result of increased production vulnerability, reduced water supply and increased demands for irrigation. Increasing flood and drought risks will further contribute to the need for robust management practices.The impacts of future hydrological changes on agricultural mitigation in Europe will depend on the balance between changes in productivity and rates of decomposition and GHG emission, both of which depend on climatic, land and management factors. Small increases in European soil organic carbon (SOC) stocks per unit land area are anticipated considering changes in climate, management and land use, although an overall reduction in the total stock may result from a smaller agricultural land area. Adaptation in the water sector could potentially provide additional benefits to agricultural production such as reduced flood risk and increased drought resilience.The two main sources of uncertainty in climate impacts on European agriculture and water management are projections of future climate and their resulting impacts on water and agriculture. Since changes in climate, agricultural ecosystems and hydrometeorology depend on complex interactions between the atmosphere, biosphere and hydrological cycle there is a need for more integrated approaches to climate impacts assessments. Methods for assessing options which "moderate" the impact of agriculture in the wider sense will also need to consider cross-sectoral impacts and socio-economic aspects. © 2009.

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Author keywords

Adaptation | Agriculture | Climate change | Europe | GHG mitigation | Integration | Water

Indexed keywords

Engineering uncontrolled terms: Adaptation | Agricultural ecosystems | Agricultural greenhouse | Agricultural land | Agricultural productions | Climate change impact | Climate impacts | Complex interaction | Crop productivity | Europe | European agriculture | Extreme rainfall | Flood hazards | Flood risks | Future climate | GHG emission | GHG mitigation | Hydrological changes | Hydrological cycles | Hydrometeorology | Integrated approach | Land areas | Management practices | Mitigation strategy | Per unit | Sectoral impacts | Socioeconomic aspects | Soil organic carbon | Sources of uncertainty | Southern Europe | Water demand | Water sector

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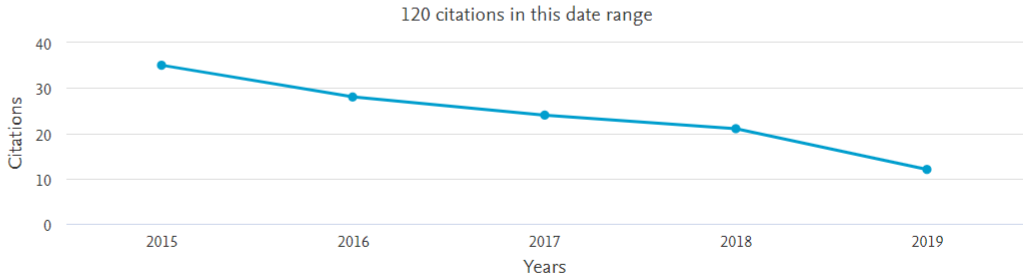

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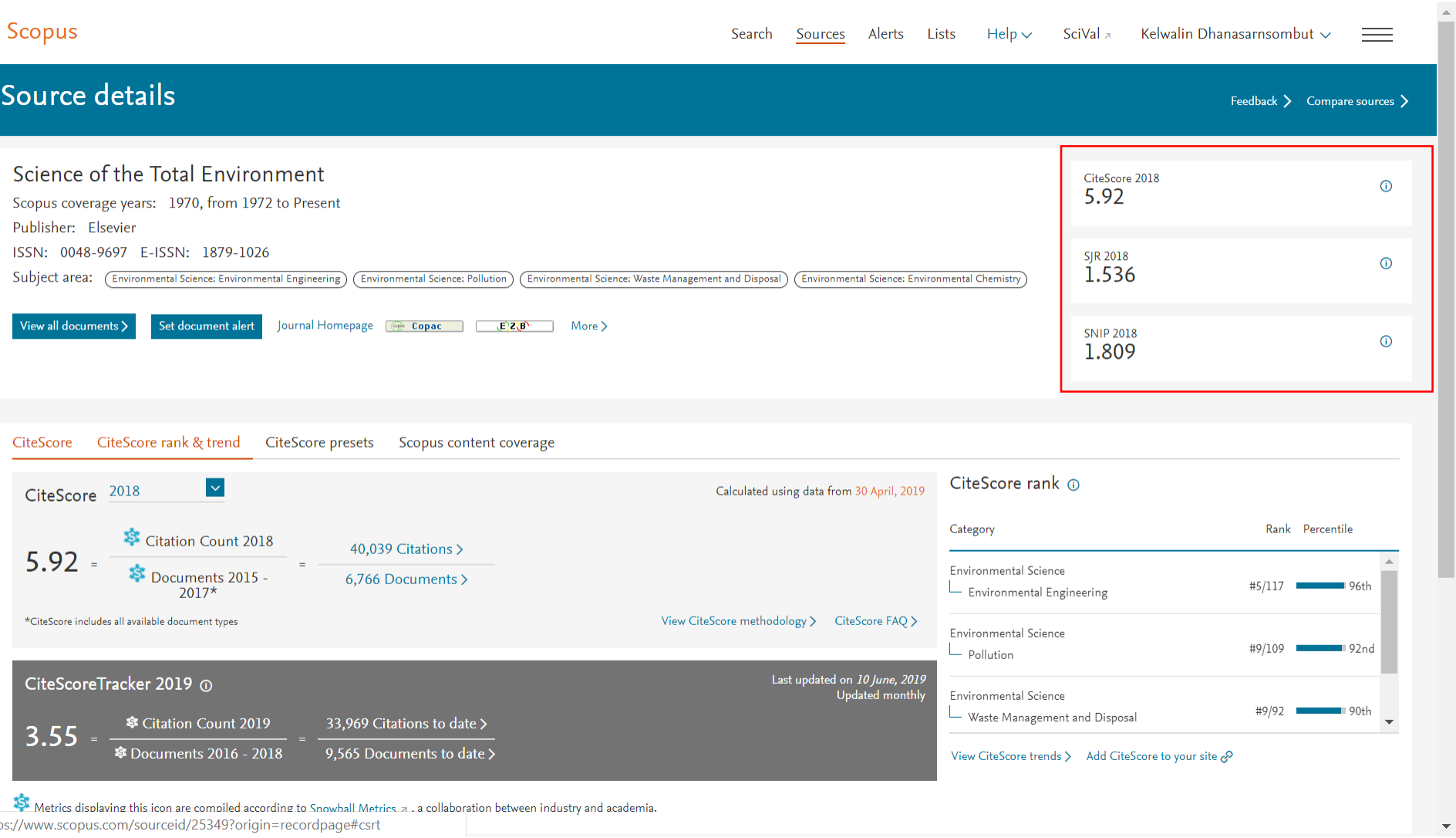

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Scopus coverage years: 1970, from 1972 to Present

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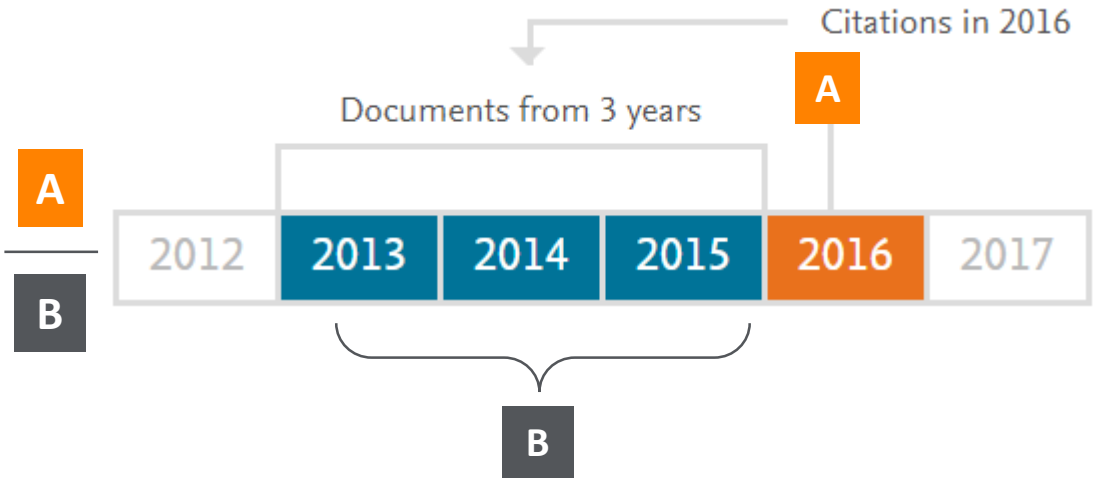

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Source Normalized Impact per Paper (SNIP)

A defined metric calculation. It better corrects for **field-specific** differences in citation practices by comparing each journal's citations per publication with the citation potential of its field, defined as the set of publications citing that journal.

SNIP therefore enables direct comparison of journals in different subject fields.

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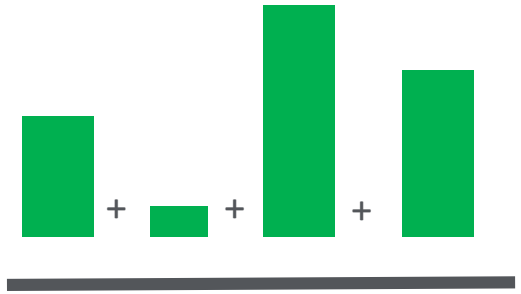


Raw Impact per Paper (RIP)

Citation Potential in its subject field

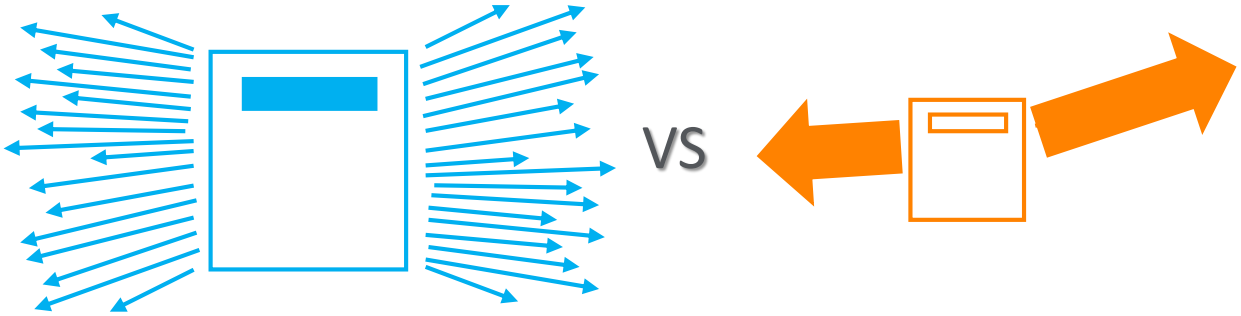
Includes a Field's Frequency and Immediacy of Citation, Database Coverage, Journal's Scope and Focus, Measured Relative to Database Median

Journal	RIP	Cit. Pot.	SNIP (RIP/Cit. Pot.)
Inventiones Mathematicae	1.5	0.4	3.8
Molecular Cell	13.0	3.2	4.0

https://www.elsevier.com/authors/journal-authors/measuring-a-journals-impact

SCImago Journal Rank (SJR)

SCImago Journal Rank (SJR) is based on the concept of a transfer of **prestige** between journals via their citation links. SJR weights each incoming citation to a journal by the SJR of the citing journal, with a citation from a high-SJR source counting for more than a citation from a low-SJR source.



High Impact Journal

Low Impact Journal

https://www.elsevier.com/authors/journal-authors/measuring-a-journals-impact

Journal Metrics in Scopus: CiteScore, SNIP and SJR

CiteScore

- an average of the sum of the citations received in a given year to publications published in the previous three years.
- Scoring scale with an average of 1

SNIP

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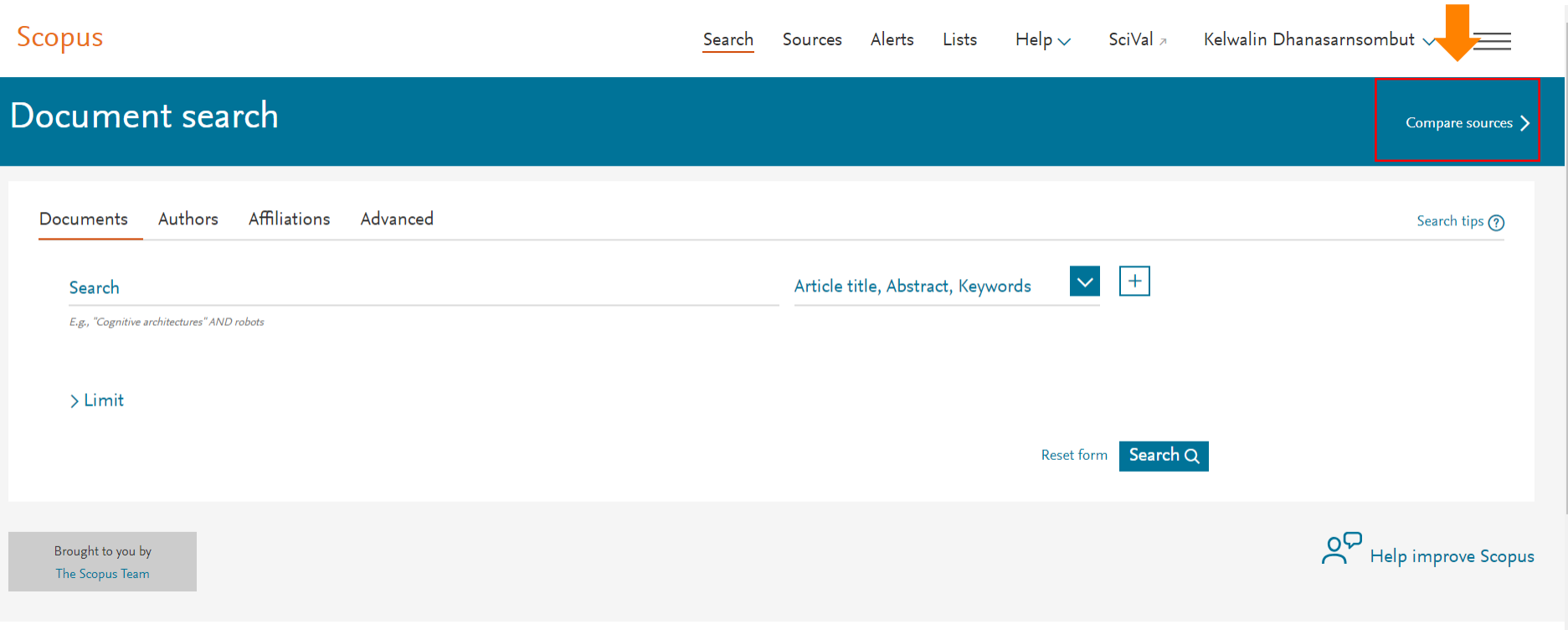
- Field-weighted metric for direct comparison of journals in different subject fields.
- Scoring scale with an average of 1

SJR

- Metric that considers prestigious nature of citations that come from within the same, or a closely related field.
- Scoring scale with an average of 1

www.journalmetrics.com

Find the perfect journal for your article



https://www.scopus.com/source/eval.uri

Select up to 10 sources to compare

Selected sources: Nature Immunology × Cell × PLoS ONE ×

Remove all selections

Chart | Table

Search by title, publisher, ISSN, and/or subject area

Source title

Enter title *

immunology

E.g., Cell, cancer

limit to

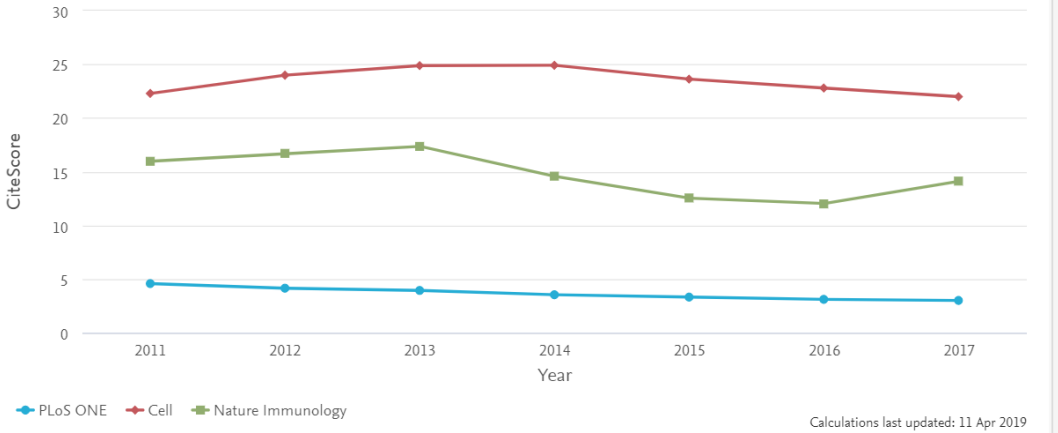
All subject areas

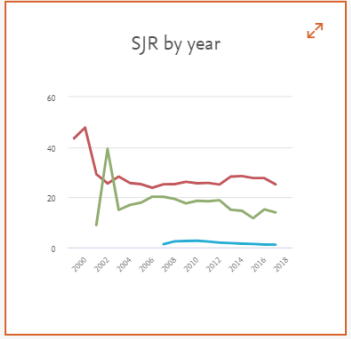
Search

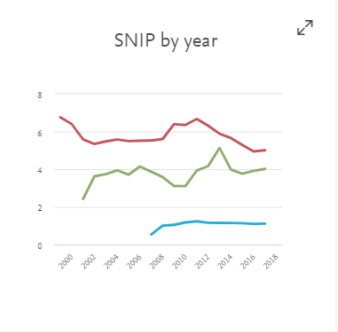
94 Search results

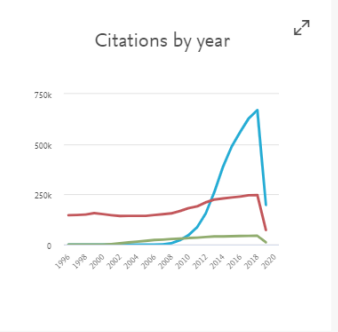
CiteScore

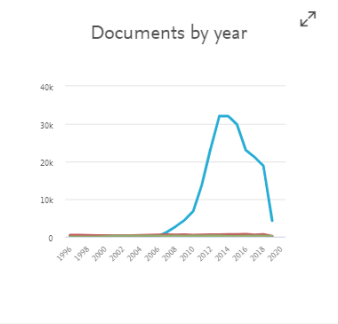
Source	CiteScore
Annual Review of Immunology	29.94
Nature Reviews Immunology	17.43
Nature Immunology	14.11
Trends in Immunology	10.82
Cancer immunology research	8.95
Seminars in Immunology	8.01
Current Opinion in Immunology	7.43
Journal of Allergy and Clinical Immunology	6.94
Mucosal Immunology	6.63
Advances in Immunology	6.44
Allergy: European Journal of Allergy and Clinical Immunology	6.23
Frontiers in Immunology	5.62
Exercise Immunology Review	5.58
Cellular and Molecular Immunology	5.13
Clinical Reviews in Allergy and Immunology	5.02
Journal of Immunology	4.57

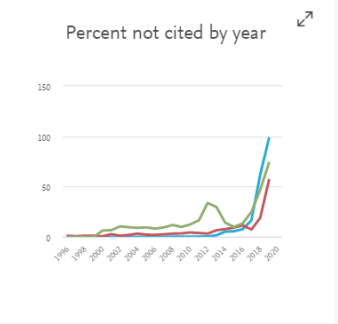


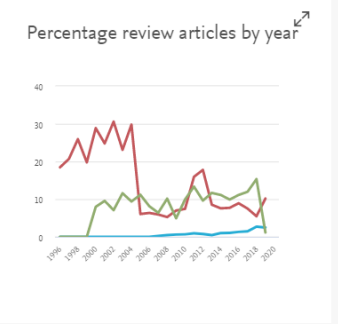












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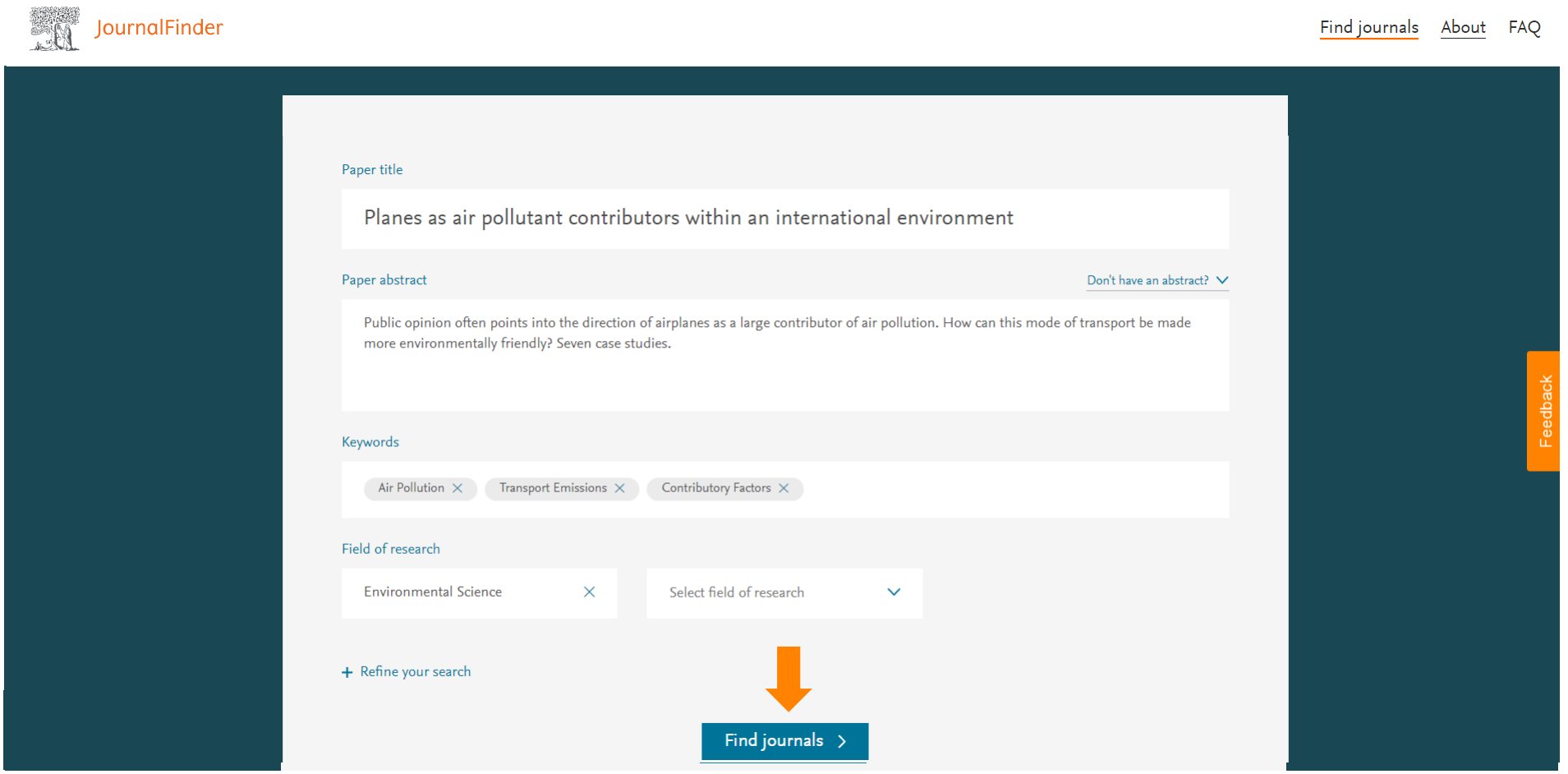

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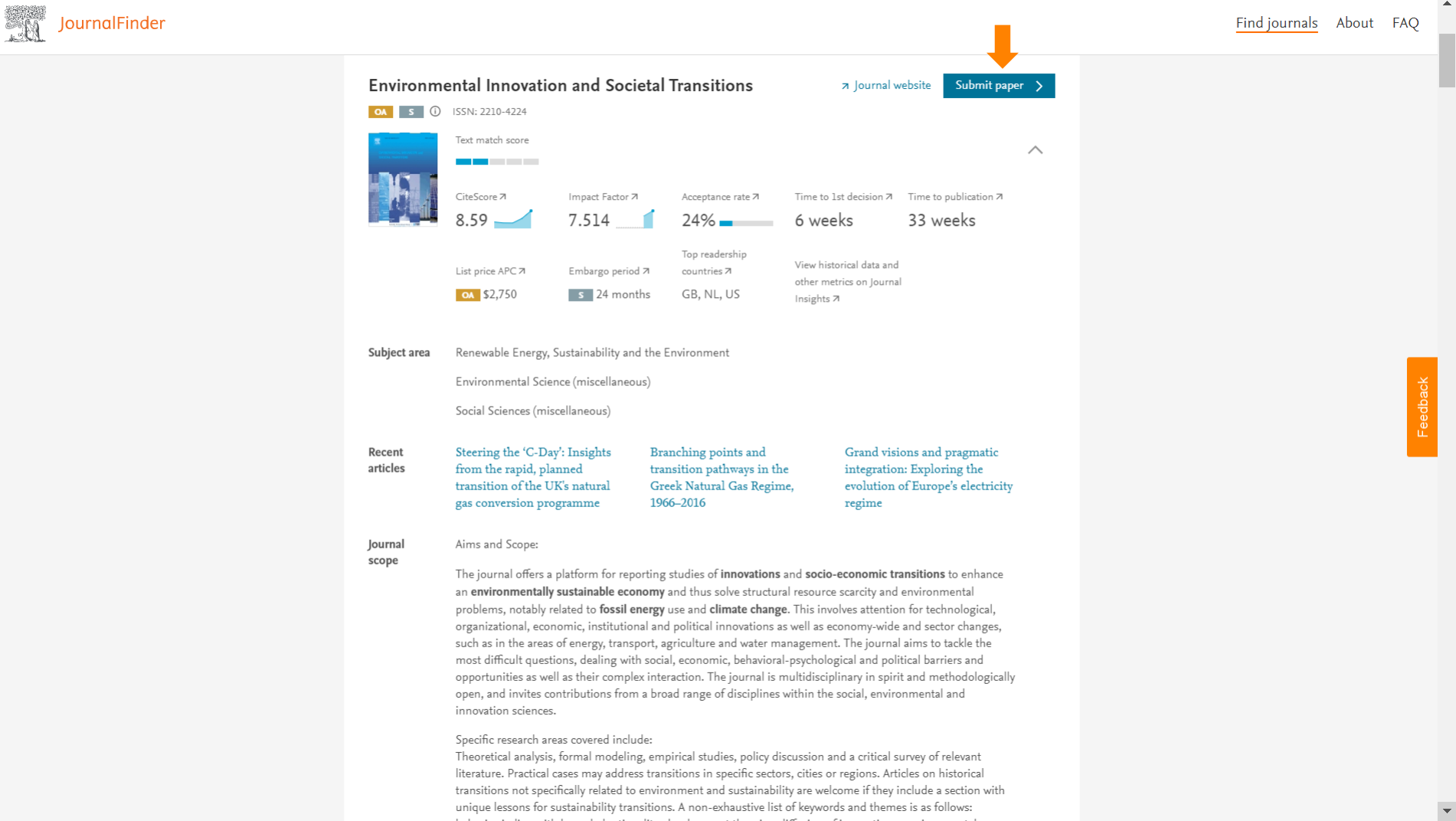
https://journalfinder.elsevier.com



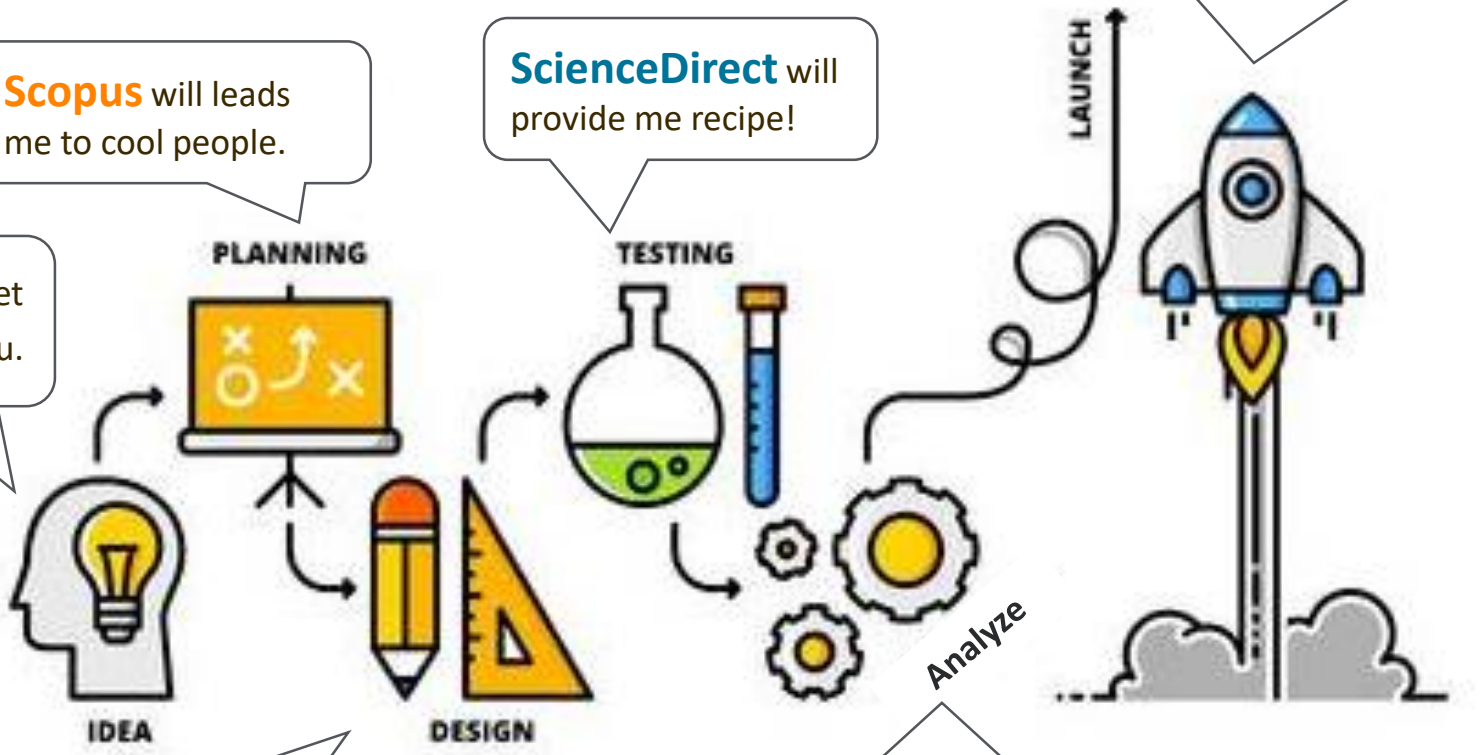
Wrap up

Choose the right journals
Scopus & **Journals Finder**

Scopus will leads me to cool people.

ScienceDirect will provide me recipe!

Be curious! And let **Scopus** help you.



Books, journals, encyclopedia, news, etc. All I need in **ScienceDirect**.

Find relevant discoveries; Read others' discussion.
Scopus & **ScienceDirect**

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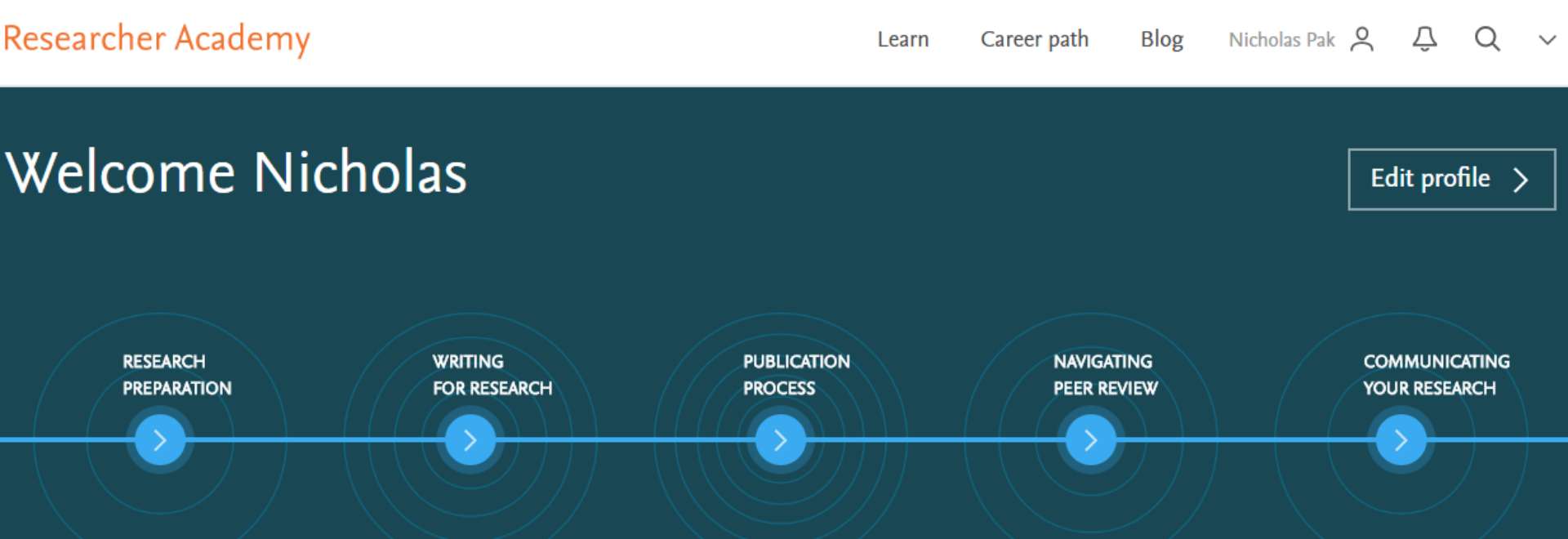

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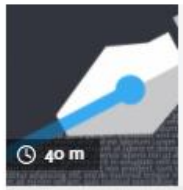

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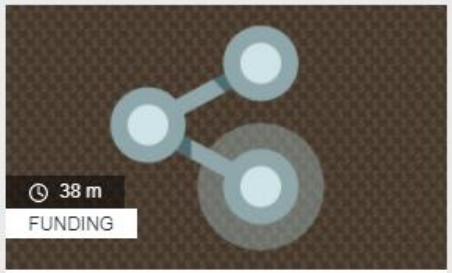

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Thank You

I’m a researcher; I do things wrongly before being corrected – Manish Kumar

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