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Comparative analysis of young researchers

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UP research strategy

- Leading research-intensive university in Africa
- Recognized internationally for quality, relevance and impact
- Research productivity and quality
- Research entities
- International partnerships
- Next- generation researchers



Case study

Benchmark the research output of a researcher under the age of 35 within:

- Microbial ecology & metagenomics
- Antarctic soils
- Deserts ecology

Questions

- How do I do benchmarking of these **topics** in SciVal?
- Who are the **authors**
- What is their **age**?
- What do I **benchmark**?



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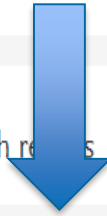
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TITLE-ABS-KEY ("microbial ecology" OR metagenomics) AND PUBYEAR > 2012 AND PUBYEAR < 2019

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Authors

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1

Vaginal microbiome variances in sample groups categorized by clinical criteria of bacterial vaginosis
[Open Access](#)

Chen, H.-M., Chang, T.-H., Lin, F.-M., (...), Chang, P.-Y., Weng, S.-L.

2018 BMC Genomics
19,876

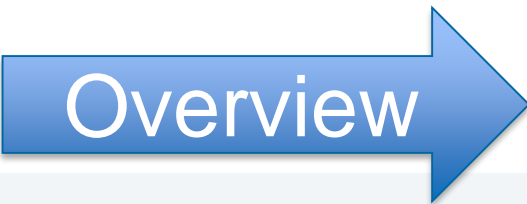
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Microbial ecology/Metagenomics, 2013-2019

2013 to 2018



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ASJC



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Summary

Collaboration

Published

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Cited

Authors

Institutions

Economic Impact

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Overall research performance

Scholarly Output ⚙

13,389

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Authors

50,649

Field-Weighted Citation Impact ⚙

2.16

Citation Count ⚙

249,480

Citations per Publication ⚙

18.6

Quick links

Use the links below for more information on Microbial ecology/Metagenomics, 2013-2019:

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Microbial ecology/Metagenomics, 2013-2019

Top 500 authors

2013 to 2018



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ASJC



Data sources

Summary

Collaboration

Published

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Authors

Institutions

Economic Impact

Authors

+ Add to Reporting Export

Top 500 authors, by number of publications in Microbial ecology/Metagenomics, 2013-2019 over the period 2013 to 2018.

Note that some authors may no longer be affiliated with an Institution in Microbial ecology/Metagenomics, 2013-2019.

Add to panel

	Name	Publications	Most recent publication	Citations	h-index
1.	Banfield, Jillian F.	77	2018	2,705	95
2.	Delwart, E. L.	77	2018	1,504	58
3.	Zhang, Tong	68	2018	2,187	61

Excel spread sheet

Default information

- Name of author
- No of publications
- Date of most recent publication
- No of citations
- FWCI
- H-index
- Author Scopus ID



Excel spread sheet

Default information

- Name of author
- No of publications
- Date of most recent publication
- No of citations
- FWCI
- H-index
- Author Scopus ID

Added information

- Date of earliest publication
- Total number of publications
- Name of institution



Authors that started publishing after 2005

	Microbial ecology/ Genomics	Deserts ecology	Antarctic soils
Authors	153	200	103
Total publications	58.8	43.5	32
Topic publications	15	4	4
Avg publ. per year	9.8	7.25	5.33
Avg. topic publ./year	2.5	0.67	0.67

Conclusion

- The UP researcher appeared on all three lists of top authors
- The Centre for Microbial Ecology and Genomics comprises of 40 multidisciplinary researchers, mostly under the age of 35. They would all benefit from this benchmarking exercise
- New partnerships can be formed with other high performing researchers identified



Thank you



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