



Repository Training Programme for Cultural Heritage Professionals

8th March 2023

Anne Griffin, Head of Cataloguing, Library & Archives



Founded 1759

Becomes a public body 1840

UNESCO World Heritage Site 2003

Mission:

to understand and protect plants and fungi, for the wellbeing of people and the future of all life on Earth



Employs nearly 1000 staff

350+ are specialist plant and fungal scientists

Also

- Honorary Research Associates (HRAs) and Fellows (HRFs),
- PhD and MSc students
- volunteers



Why a repository?

Kew needed a mechanism to publicly share all its research outputs.

To meet future obligations from Plan S funders, such as UKRI and Wellcome.

The more recent UKRI grant rules on Open Access publishing requires us to have a green open access publishing venue that meets UKRI Open Access Policy technical requirements for research articles



Why the British Library Shared Repository?

- Expertise
- Managed externally
- Less resource intensive than developing our own
- Cost



Where did the Repository items come from?

Prior to the Repository:

Self-reporting by authors for inclusion on the internal Science Bulletin

EndNote index of ~1450 items from 2014-2019

Repository:

Originally envisioned that authors add their own items to the Repository

Currently they email their article information to a central email at Kew



Kew Research Repository

Where do the Repository items come from now?

Author reporting

Abstracting and indexing reports:

Scopus

CAB Abstracts

New books (and journal parts) as they arrive for cataloguing

And Google Scholar



Formats to include:

Articles

Peer-reviewed

Non peer-reviewed

Books

Authored

Edited

Book contributions

Datasets

Dissertations

Newsletters, e.g. *Samara*, *Orchid Research Newsletter*

Reports



Future formats:

Blogs

Internal and external

Presentations

Conference presentations

Study day papers

Workshop presentations

Conference abstracts

Exhibitions materials

Audio-visual materials

3-D images



Facts and figures

Total = 5106 visible records

How many of each type:

Articles	4163
Books	226
Book contributions	201
Collections	16
Conference items	48
Datasets	8
Theses & dissertations	105



Explore Our Research Repository



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n a partially clonal plant is not predicted by the number of genetic individuals.
Lin S., Crow, Adri K., Shefferson, Richard P., Vuuel, Juan ...
sequencing, Partially clonal plants, Effective population size, Microsatellites, Conservation genetics, *Cypripedium calceolus*



JOURNAL ARTICLE

Exploring the polysaccharide composition of plant cell walls in succulent aloes.

Itagar AM, Louite , Pedersen, Henriette L., Jørgensen, Bodil, Wilats, William G. T., Graco, Olwen M. ...

Keywords: MicroArray Polymer Profiling (MAPP), Inner leaf mesophyll, Plant cell walls, Succulent, Aloe, Medicinal plants, Aloe vera, Polysaccharides

ixis of tropical plant phylogenetic turnover across space and time.

ik J. M., Sauter, Benjamin, Aebli, Anahita, Rando, Juliana G. ...
ec Speciation, Precipitation, Water availability gradient, Geographical distribution, Global species distribution, Phylogenetics.



JOURNAL ARTICLE

Seasonal dynamics of *Anopheles stephensi* and its implications for mosquito detection and emergent malaria control in the Horn of Africa.

Whittaker, Charles; Hamlet, Arran; Sherard-Smith, Elle; Winskill, Peter; Cuomo-Dannenburg, Gina ...

Keywords: *Anopheles stephensi*, Africa, Horn of Africa, Epidemiology, Urban malaria, Malaria ecology, Population dynamics, Mosquito detection



JOURNAL ARTICLE

Unraveling Amazon tree community assembly using Maximum Information Entropy: a quantile

Poc, Edwin; de Sousa Coelho, Luiz; de Andrade Lima Filho, Diogenes; Salemián, Rafael P.; Amaral, Sida Leão ...

Keywords: Relative abundances, Ecological dynamics, Quantitative analysis, Amazon, Maximum Information Entropy, ecology, Plant communities



JOURNAL ARTICLE

Let's pluck the daisy: dissection as a tool to explore the diversity of Asteraceae capitula.

Fu, Lin; Palazzesi, Luis; Pellicer, Jaume; Salam, Manica; Christenhusz, Maarten J.M. ...

Keywords: Compositae, Asteraceae, Pseudanthium, Inflorescence, Dissection, Synflorescences, Capitulum



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JOURNAL ARTICLE

Effective population size in a partially clonal plant is not predicted by the number of genetic individuals.

Gargiulo, Roberta ; Waples, Robin S. ; Grow, Adri K. ; Shefferson, Richard P. ; Viruel, Juan ...

2023

Double-digest RAD sequencing, Partially clonal plants, Effective population size, Microsatellites, Conservation genetics, and *Cyrtopodium calceolus*



JOURNAL ARTICLE

Exploring the polysaccharide composition of plant cell walls in succulent aloes.

Isager Ahl, Louise ; Pedersen, Henriette L. ; Jørgensen, Bodil ; Willats, William G. T. ; Grace, Olwen M. ...

2023

MicroArray Polymer Profiling (MAPP), Inner leaf mesophyll, Plant cell walls, Succulent, Aloe, Medicinal plants, Aloe vera, and Polysaccharides



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JOURNAL ARTICLE

Effective population size in a partially clonal plant is not predicted by the number of genetic individuals.

PDFs [Download](#)

Gargallo, Roberta  Waples, Robin S.  Grow, Adri K.  Shefferson, Richard P.  Vivaldi, Juan 

[Show more](#)

2023

Citations: -



Items:

THUMBNAIL	FILE NAME	DATE UPLOADED	VISIBILITY	FILE SIZE	ACTIONS
	Evolutionary_Applications_2023_-_Gargallo_-_Effective_population_size_in_a_partially_clonal_plant_is_not_predicted_by_the.pdf	2023-03-03	Public	2.6 MB	Select an action -

Metadata

Resource type	Journal article
Creator	Gargallo, Roberta  Waples, Robin S.  View Grow, Adri K.  Shefferson, Richard P.  View Vivaldi, Juan  Show more
Date published	2023-03-21
Institution	Royal Botanic Gardens, Kew
Organizational unit	Science
Funder	Name: British Ecological Society, United Kingdom Award: Research Grant SR181418 Name: Ministry of Education and Research, Estonia Name: Herbarium, Eesti Muuseumid, Estonia
Journal title	Evolutionary Applications
Alternative journal title	Evol. Appl.
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Rights statement	In Copyright



Kew Research Repository

What do we use the Repository for?

Showcasing our research output

Fulfilling Plan S and grant obligations

Reporting Key Performance Indicators (KPIs)

number of peer-reviewed articles, books, book chapters

Quarterly and annually to:

Board of Trustees

Science Advisory Committee

Science Priority leaders (on demand)

Also asked to extract all UKRI funded papers for a given year



What we could use the Repository for:

Searching across the whole Shared Repository

Datamining networks of people, institutions, grant funders

This would require the ability to link ORCIDs to authors

This would require all PIDs (ORCIDs), and organizational ids (RORs, ISNI, DOIs) to be added

Searching by

Language (again retrospective metadata is required)

Projects



I would like to thank:

Greg Palmer and Richard Gianfrancesco for the initial scoping and the introduction of the Repository project .

Greg Palmer, Richard Gianfrancesco and Ella Fri for their work up to June 2021 in adding the first 2,500 items to the Repository.

And everyone at the British Library Open Access Team, especially Jenny Basford for be available to answer all my questions.



Any questions?

Feel free to contact me at a.griffin@kew.org

Anne Griffin, Head of Cataloguing, Library and Archives, Royal Botanic Gardens, Kew 