

Journal Research Data Policy Across Disciplines: Comparison Between 2014 and 2019

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Purpose

To examine journal research data policies across a wide range of disciplines and compare them with the 2014 study¹.

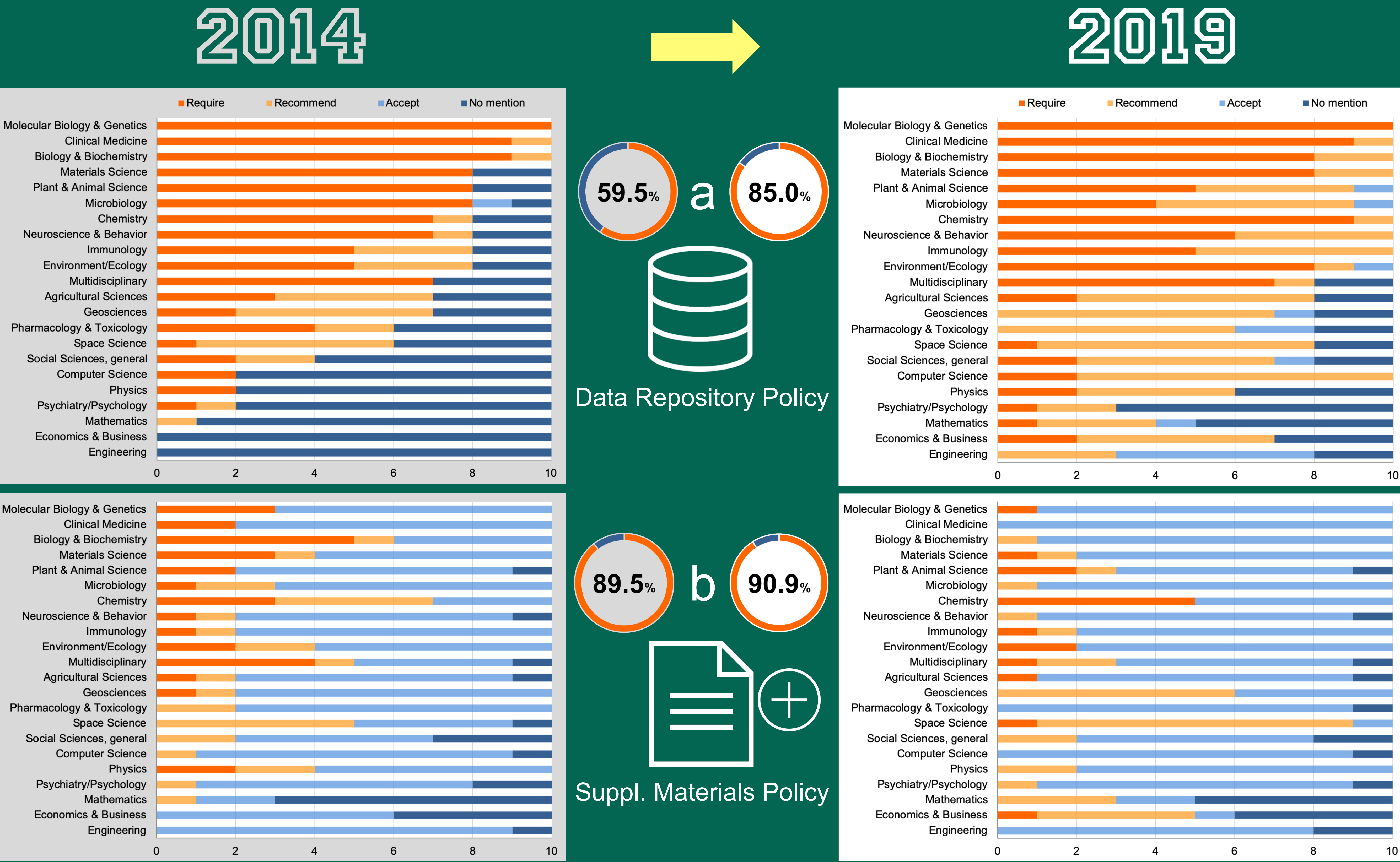
- a. Data Repository Policy
- b. Supplemental Materials Policy
- c. Data Citation Policy



Methods

Reviewed 220 journals' data policies (= 22 disciplines × 10 high-IF journals in 2014) and classified them into 4 categories.

Require	require, must, should, condition of publication
Recommend	encourage, recommend
Accept	accept, allow, might, possible to include
No mention	(no mention)



Conclusion

- a. The percentage of the journals with the data repository policy increased from **59.5%** (2014) to **85.0%** (2019).
- b. The percentage of the journals with the supplemental material policy also increased from **89.5%** (2014) to **90.9%** (2019).
- c. **55.0%** of the target journals have the data citation policy.

References

- Ikeuchi U. Data sharing policies in scholarly journals across 22 disciplines [dataset, 2014]. figshare. <https://doi.org/10.6084/m9.figshare.3144991>
- Data Citation Synthesis Group: Joint Declaration of Data Citation Principles. Martone M. (ed.) San Diego CA: FORCE11; 2014. <https://doi.org/10.25490/a97f-egykh>
- TOP Guidelines. Center for Open Science (COS). <https://cos.io/top/>

	DCP	JDDCP ²	TOP ³
Molecular Biology & Genetics	10	2	
Microbiology	10	1	
Engineering	8	8	5
Environment/Ecology	8	7	6
Multidisciplinary	8	5	1
Plant & Animal Science	8	4	4
Computer Science	8	4	
Geosciences	8		
Biology & Biochemistry	7	6	
Agricultural Sciences	6	5	
Chemistry	6	1	
Materials Science	5	3	
Social Sciences, general	5	3	
Economics & Business	5	2	
Immunology	4	4	
Pharmacology & Toxicology	4		
Space Science	4		
Neuroscience & Behavior	2	1	
Physics	2		
Clinical Medicine	1	1	
Psychiatry/Psychology	1	1	
Mathematics	1		
TOTAL	121	58	16