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AI-generated content may be incorrect.

**Supplemental File S3. PRISMA Flow Diagram.**

**Title of article:** Triplication: an important component of the modern scientific method.

**Authors:** Jeremy S.C. Clark, Karina Szczypiór-Piasecka, Kamila Rydzewska, Konrad Podsiadło.

**Web of Science JCR list:** 2017. SCIE, SSCI Categories. Available at https://jcr.incites.thomsonreuters.com. Lists also available in journal grids in supplementary files. Selected categories: 'FORESTRY', 'MYCOLOGY', 'PLANT SCIENCES'.

**Number of journals available (impact Factor >1): n = 215.**

## Identification

**Journal screen:** Accessible journals chosen spaced evenly according to impact factor (IF): 20 journal screen start points distributed in each range from IF1:<IF2, IF2:<IF3, IF3:<IF4 and >IF4. Random shifts (except >IF6: downward shifts) used until included journal selected (all start points and shifts shown in journal grid supplementary files).

**Journals included:** (n = 68: Dendrochronologia then removed): **n = 67.**

**Journal inclusion criteria:** containing "mostly" (defined as when, on first encounter with the journal, the first 10 articles followed a criterion) articles conforming to the article inclusion criteria (given below), with primary original research, full articles available (or Abstracts with p-values), without rare subjects.

**Article screen:** Started at random month and random research article, continued downwards and cycled until article with inclusion criteria found. For >IF3.7 two articles per journal were necessary to make up numbers.

**Articles screened:** 206 (then Dendrochronologia excluded): **n = 196.**

**Journals excluded: n = 148.** All excluded journals shown in Supplemental file.

**Journal exclusion criteria:** with "mostly" (defined on left): ecology, methods, taxonomy, pharmaceutics, economics, medicine, genetic diversity, or biotechnology, or without relevant variable construct, not primary research, or not available; not fulfilling inclusion criteria.

## Screening

**Articles excluded: 116.**

All excluded articles shown in Supplemental file.

**Exclusion criteria:** Pilot studies, reviews/cases, modeling, epidemiological studies, novel transgenic plants, meta-analyses; not fulfilling inclusion criteria.

**Articles included: n = 80.**

**Article inclusion criteria:** Research articles were included if they had a study with the relevant science type (see text) and at least one positive result defined by a statistically-significant p-value comparison or by replication errors. Studies had to have datapoints from subjects which were either plants, fungi or other small organisms.

## Eligibility

**Quantitative descriptions** of prevalence of defined replication protocols and numbers of association and experimental studies.

## Included

Studies included **in synthesis:**

**80 studies from 80 articles.**