

Thematic Data Journals

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Natural Sciences

[Scientific Data \(Nature\)](#)

Scientific Data is a peer-reviewed open access journal for descriptions of datasets and research that advances the sharing and reuse of research data. The primary content-type, the *Data Descriptor* combines traditional narrative content with structured descriptions of data to provide a framework for data-sharing to accelerate the pace of scientific discovery. These principles are designed to align with and support the FAIR Data Principles.

[Biodiversity Data Journal \(BDJ\)](#)

Biodiversity Data Journal (BDJ) is a community peer-reviewed, open access, comprehensive online platform, designed to accelerate publishing, dissemination and sharing of biodiversity-related data of any kind. All structural elements of the articles – text, morphological descriptions, occurrences, data tables, etc. – will be treated and stored as data.

[Earth System Science Data \(ESSD\)](#)

Earth System Science Data (ESSD) is an international, interdisciplinary journal for the publication of articles on original research data, furthering the reuse of high-quality data of benefit to Earth system sciences. The editors encourage submissions on original data or data collections which are of sufficient quality and have potential to contribute to these aims.

Engineering and Technology

[Journal of Chemical & Engineering Data](#)

The Journal of Chemical & Engineering Data (J. Chem. Eng. Data) is a monthly journal devoted to the publication of data obtained from both experiment and computation, which are viewed as complementary. It is the only American Chemical Society journal primarily concerned with articles containing data on the phase behaviour and the physical, thermodynamic and transport properties of

well-defined materials, including complex mixtures of known compositions. The Journal of Chemical & Engineering Data encourages manuscripts that report on consequential (relevant, comprehensive, and robust) data and place these data into context by addressing what can be learned from differences and similarities to prior published data on related systems.

[Data in Brief](#)

Data in Brief is a multidisciplinary, open access, peer-reviewed journal, which publishes short, digestible articles that describe and provide access to research data. It contributes to open science and improves reproducibility by making data and the associated research more discoverable, opening doors for collaboration, and reducing duplication of effort. The journal welcomes submissions from all subject areas. Submissions regarding data from preliminary research, replication studies, proof of concept research, and negative results are also published.

[International Journal of Robotics Research](#)

The International Journal of Robotics Research (IJRR) is a leading peer-reviewed journal in its field for more than two decades and was the first scholarly publication on robotics research. IJRR offers incisive and thought-provoking original research papers and articles, perceptive reviews, and lively editorials on ground-breaking trends issues, technical developments, and theories in robotics by the outstanding scholars and practitioners in the field. Moreover, it also publishes high quality, peer reviewed datasets, accompanied by adequate text material to illustrate them and their usage in the form of a regular manuscript.

[Journal of Open Research Software](#)

The Journal of Open Research Software (JORS) features peer reviewed Software Metapapers describing research software with high reuse potential. To this effect, JORS works with a number of specialist and institutional repositories to ensure that the associated software is professionally archived, preserved, and is openly available. Equally importantly, the software and the papers will be citable and reuse will be tracked.

JORS also publishes full-length research papers that cover different aspects of creating, maintaining and evaluating open source research software. The aim of the section is to promote the dissemination of best practice and experience related to the development and maintenance of reusable, sustainable research software.

[Scientific Data](#)

Scientific Data is an open access journal dedicated to data, publishing descriptions of research datasets and articles on research data sharing from all areas of natural sciences, medicine, engineering and social sciences. It aims to advance the sharing and reuse of scientific data, promote wider data sharing and reuse, and to credit those that share.

Scientific Data primarily publishes Data Descriptors. These provide detailed descriptions of research datasets, including the methods used to collect the data and technical analyses supporting the quality of the measurements. Scientific Data also welcomes submissions describing analyses or meta-analyses

of existing data, and original articles on systems, technologies and techniques that advance data sharing and reuse to support reproducible research.

Medical and Health Sciences

[BMC Research Notes](#)

BMC Research Notes is an open access journal publishing peer-reviewed contributions from across all scientific and clinical disciplines, including intriguing initial observations, updates to previous work and established methods, valid negative results, and scientific data sets and descriptions. This journal is committed to making it easier to find, cite and share short reports by providing an inclusive forum for valuable data and research observations.

[Journal of Open Health Data](#)

Open Health Data features peer-reviewed data papers describing moderated or open access health datasets with high reuse potential. This journal works with a number of specialist and institutional data repositories to ensure that the associated data is professionally archived, preserved, and available either through moderated or open access. Equally importantly, the data and the papers are citable, and reuse is tracked.

[GigaScience](#)

GigaScience aims to revolutionise data dissemination, organisation, understanding, and use. It is an online open access open data journal that publishes 'big-data' studies from the entire spectrum of life and biomedical sciences. This journal has a novel publication format: one that links standard manuscript publication with an extensive database that hosts all associated data and provides data analysis tools and cloud-computing resources.

[Journal of Medical Internet Data](#)

JMIR Data is a new unique journal focusing on the publication and curation of datasets, small and large, in the field of medicine and health. This can include - but is not limited to - molecular and genomic data, patient/participant data from trials and experiments (properly anonymised), patient-generated data (e.g. from accelerometers/mobile apps) or patient-reported outcomes, unstructured data such as interview/focus group transcripts, "big data" from a variety of data sources, or unusual data such as Internet log files or app usage files.

Agricultural and Veterinary Sciences

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Social Sciences & Humanities

[Research Data Journal for the Humanities and Social Sciences](#)

The Research Data Journal for the Humanities and Social Sciences (RDJ) is a peer-reviewed journal, which is designed to comprehensively document and publish deposited datasets and to facilitate their online exploration. RDJ is e-only and open access, and focuses on research across the Social Sciences and the Humanities.

The publication language is English. RDJ contains data papers: scholarly publications of medium length (with a maximum of 2500 words) containing a description of a dataset and putting the data in a research context.

[Journal of Open Humanities Data](#)

The Journal of Open Humanities Data (JOHD) aims to be a key part of a thriving community of scholars sharing humanities data. The journal features peer reviewed publications describing humanities research objects or techniques with high potential for reuse. Humanities subjects of interest to JOHD include, but are not limited to, Art History, Classics, History, Library Science, Linguistics, Literature, Media Studies, Modern Languages, Music and musicology, Philosophy, Religious Studies, etc. Submissions that cross one or more of these traditional disciplines are particularly encouraged.

[Journal of Data Mining and Digital Humanities](#)

Digital Humanities is a convergence of humanities fields (linguistic, sociology, history, psychology, etc) using data archives, processing and interaction. Data mining is an interdisciplinary subfield of computer science, involving the methods at the intersection of artificial intelligence, machine learning and database systems. The Journal of Data Mining & Digital Humanities is concerned with the intersection of computing and the disciplines of the humanities, with tools provided by computing such as data visualisation, information retrieval, statistics, text mining by publishing scholarly works beyond the traditional humanities.

[History of the Human Sciences](#)

History of Human Sciences is an international journal of peer-reviewed scholarly research, which provides an important forum for contemporary research in the social sciences, humanities, psychology and biology. It is especially concerned with research that reflexively examines its own historical origins and interdisciplinary influences in an effort to review current practice and to develop new research directions.