

Share research data and materials

Encouraging authors to share research data and materials is essential for promoting transparency, reproducibility, and collaboration in scholarly research. By sharing data and materials openly, authors contribute to the advancement of knowledge, facilitate replication and validation of research findings, and foster trust and credibility within the scientific community. Here's why authors should consider sharing their research data and materials:

1. **Enhanced Transparency:** Sharing research data and materials promotes transparency by allowing other researchers to scrutinize, verify, and build upon the findings reported in published articles. Open access to data enables readers to evaluate the robustness and validity of study conclusions, leading to increased confidence in the research outcomes.
2. **Facilitated Reproducibility:** Reproducibility is a cornerstone of scientific inquiry. By sharing data and materials, authors enable other researchers to replicate and reproduce their experiments, analyses, and results. Reproducible research contributes to the reliability and credibility of scientific knowledge, ensuring that findings can be confirmed and validated by independent investigators.
3. **Promotion of Collaboration:** Open sharing of research data and materials fosters collaboration and interdisciplinary exchange among researchers. Accessible data repositories and platforms facilitate collaboration across geographic, disciplinary, and institutional boundaries, enabling researchers to leverage diverse expertise and resources to address complex scientific questions and challenges.
4. **Maximized Research Impact:** Sharing research data and materials increases the visibility and impact of scholarly work. Openly accessible data and materials attract wider attention from the research community, policymakers, and the public, leading to greater citation rates, broader dissemination of findings, and potential collaborations and partnerships.
5. **Compliance with Funding and Publishing Policies:** Many funding agencies, institutions, and publishers require or encourage authors to share research data and materials as a condition of funding or publication. Compliance with these policies ensures accountability, transparency, and responsible stewardship of research resources and public investments.
6. **Support for Open Science Principles:** Embracing open science principles, including open data sharing, promotes innovation, reproducibility, and accountability in research. By adopting open practices, authors contribute to a culture of openness, integrity, and collaboration in the scientific community.

To encourage authors to share their research data and materials, our journal:

- **Include data sharing policies in author guidelines and submission instructions.
- **Provide guidance and resources on data management, curation, and sharing practices.
- **Partner with data repositories and platforms to facilitate data deposition and accessibility.

- Recognize and reward authors who embrace open science practices through citations, awards, or acknowledgments.
- Advocate for policies and initiatives that support open data sharing and transparency in scholarly research.

Overall, promoting data sharing is integral to advancing scientific knowledge, fostering collaboration, and addressing societal challenges through evidence-based research. Encouraging authors to share their data and materials benefits the research community and society as a whole, leading to more robust, reproducible, and impactful science.