

Journal of Research in Science Teaching

An overview of *JRST* metrics, opportunities, and resources for NARST members and prospective authors

Message from the JRST Editors

Colleagues,

We are excited to present information about *JRST* in this virtual presentation. We have been working closely with our Wiley team and learning more about *JRST* and moving the journal to the next level. [Our Vision for JRST](#) outlines three strategic foci for the journal during our editorship:

1. Promoting equity and diversity of the *JRST* community.
2. Leading efforts to establish disciplinary norms, criteria, and expectations relative to the evolving landscape of open access and open science across the publishing industry.
3. Building a stronger presence for *JRST* within the modern media environment such that *JRST*-published research achieves broader reach and impact for the improvement of science education practice and policy.

This presentation touches upon the foci in various ways. We are still exploring the many opportunities that are open to us in the fast-pace, changing world of publishing. We cannot take up everything, nor will we try, but we want the NARST community and those who read *JRST* to be aware of some the more exciting things we are learning and considering for the journal, the authors/researchers who contribute to *JRST*, and readers of the journal.

We welcome your comments and questions which we will address and make available to you. You can access the form [here](#). Thank you in advance for your feedback!

Troy Sadler and Felicia Mensah

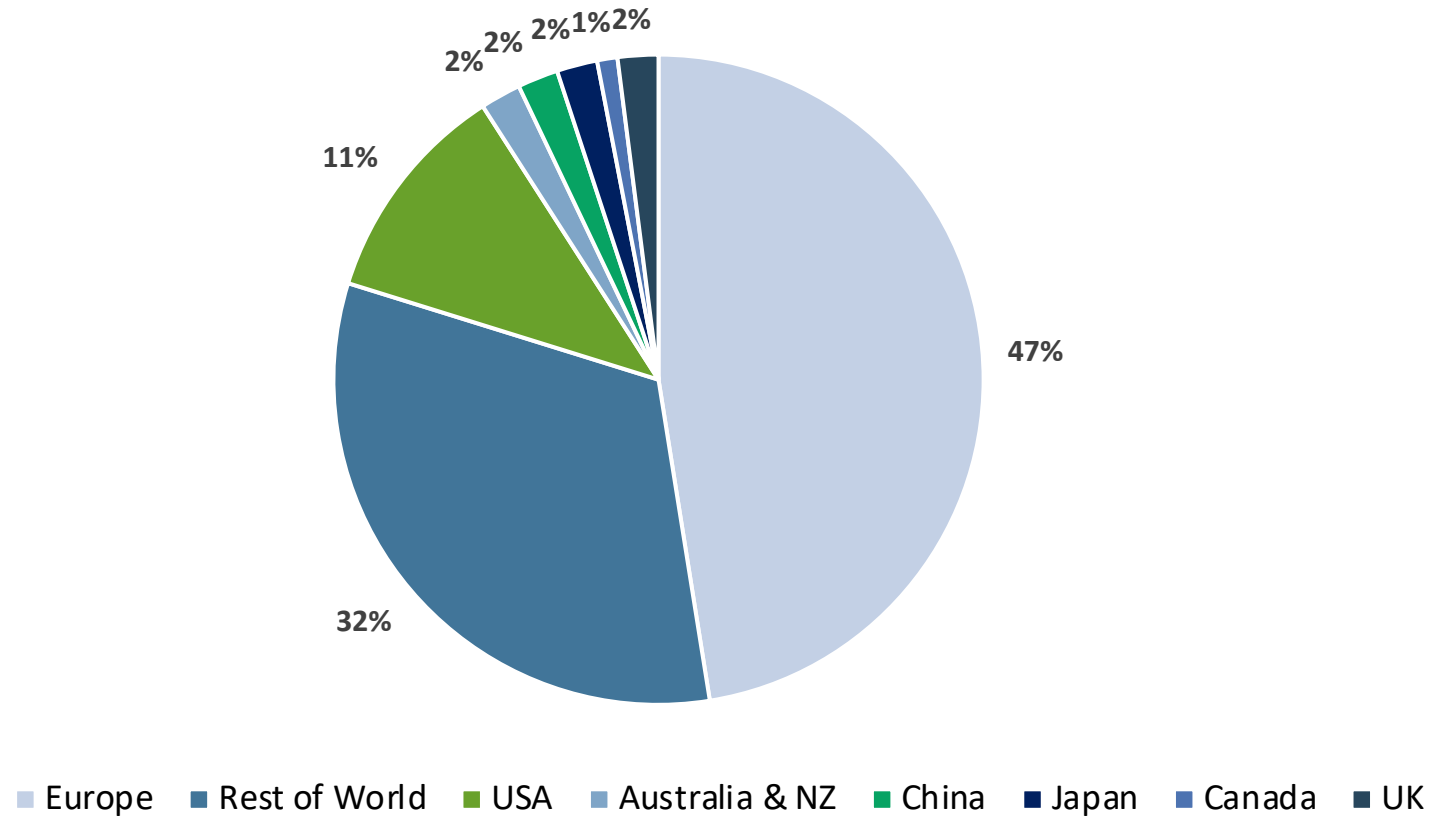
Circulation, Readership, Impact

Together, *JRST* and Wiley are working to maintain its high reputation of research.

JRST Circulation

The *Journal of Research in Science Teaching* has nearly 7,000 institutional subscribers worldwide, while an additional 6,000 developing world institutions have access to JRST content via Wiley's philanthropic initiatives.

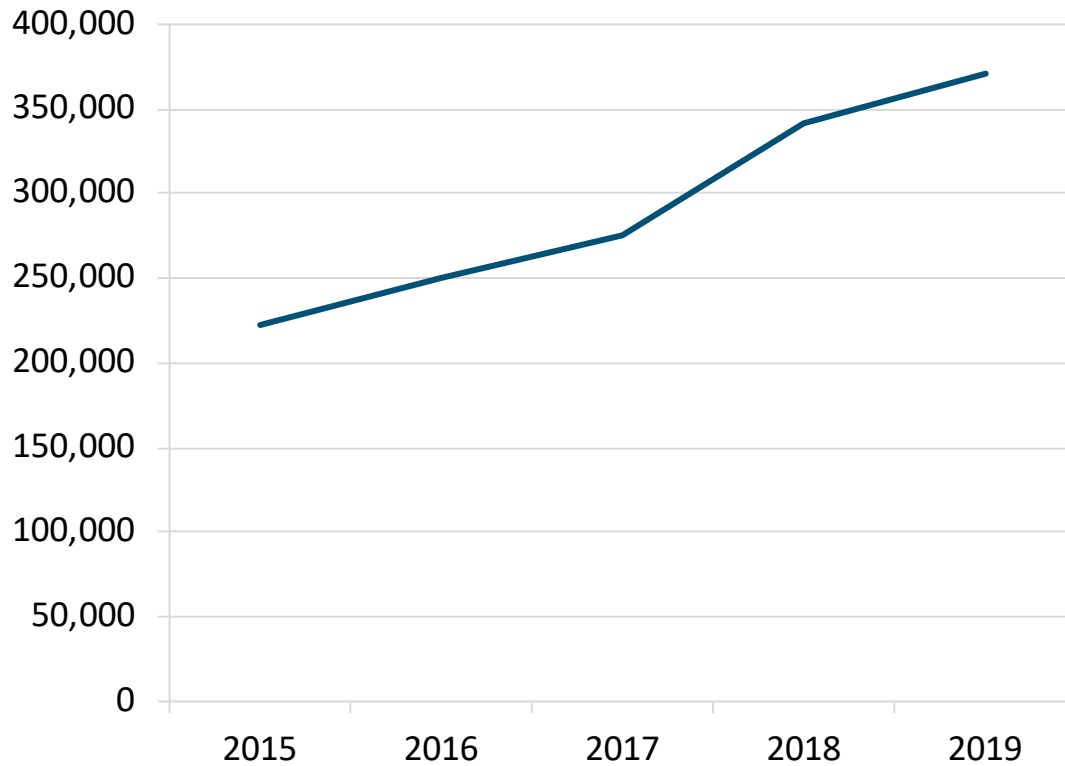
Reach by Region



JRST Readership

The *Journal of Research in Science Teaching* received over 370,000 full-text downloads in 2019. On average, individual *JRST* articles receive over 400 full-text downloads.

Article Downloads Trend



JRST's Top Downloading Countries in 2019

- | | |
|-------------------|-----------------|
| 1. United States | 6. Germany |
| 2. China | 7. Canada |
| 3. United Kingdom | 8. Philippines |
| 4. Australia | 9. Taiwan |
| 5. Turkey | 10. South Korea |

JRST's 2018 Impact Factor

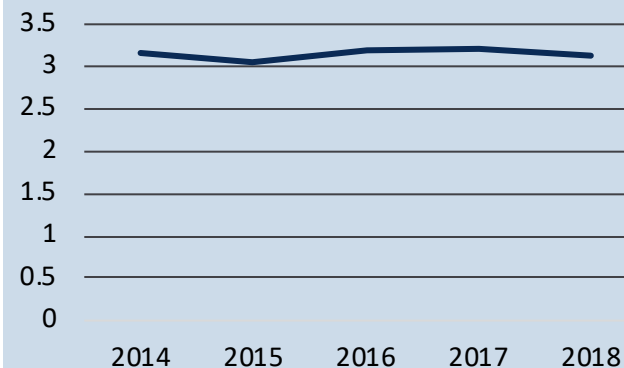
$$\frac{\text{Citations in 2018 to papers published in 2016 and 2017}}{\text{Citable items published in 2016 and 2017}} = \frac{348}{111} = 3.135$$

IF Rankings (Clarivate/Web of Science)

Education & Educational Research

17/243

Impact Factor Over Time



Journals citing JRST the most in 2018

1	Journal of Research in Science Teaching
2	International Journal of Science Education
3	Research in Science Education
4	Science Education
5	Chemistry Education Research and Practice
6	Physical Review Physics Education Research
7	Journal of Science Education and Technology
8	CBE – Life Sciences Education
9	Journal of Baltic Science Education
10	Education Sciences

Journals cited by JRST the most in 2018

1	Journal of Research in Science Teaching
2	Science Education
3	International Journal of Science Education
4	American Educational Research Journal
5	Journal of the Learning Sciences
6	Review of Educational Research
7	Research in Science Education
8	Journal of Science Teacher Education
9	Educational Researcher
10	Journal of Educational Psychology

Open Research

Together, *JRST* and Wiley are working to promote Open Research.



WILEY

Open Research

To the right are the various areas of Open Research *JRST* and Wiley are exploring

Additionally, the *JRST* Editorial Board will begin discussions of an updated policy on data-sharing, as well as the idea of [Open Science Badges](#).

Open Collaboration tools like [Authorea](#) and [Manuscripts](#) are described later in the Author Resources section.

JRST was an early adopter of both [ORCID iDs](#) and [Publons](#).

Open Access

Increasing accessibility of publicly funded research



Open Data

Enabling reproducibility and verification of researcher data, methodology, and reporting standards



Open Practices

Embracing greater transparency throughout the research process



Open Collaboration

Supporting inclusive and networked research practices



Open Recognition & Reward

Helping to integrate researcher identification and evaluation tools

Publishing Open Access in *JRST*

You may opt to publish your paper Open Access (OA) in *JRST* under a [Creative Commons](#) license by paying a \$3,300 Article Publication Charge (APC).

However, it is possible your APC will be discounted or fully-funded by your institution. Over 100 organizations have signed up for [Wiley Open Access accounts](#) to discount or fully fund their faculty's Open Access charges.

Additionally, Wiley has established many transformative Open Access agreements with countries and consortiums, so it's possible your *JRST* APC would be funded via one of these arrangements:

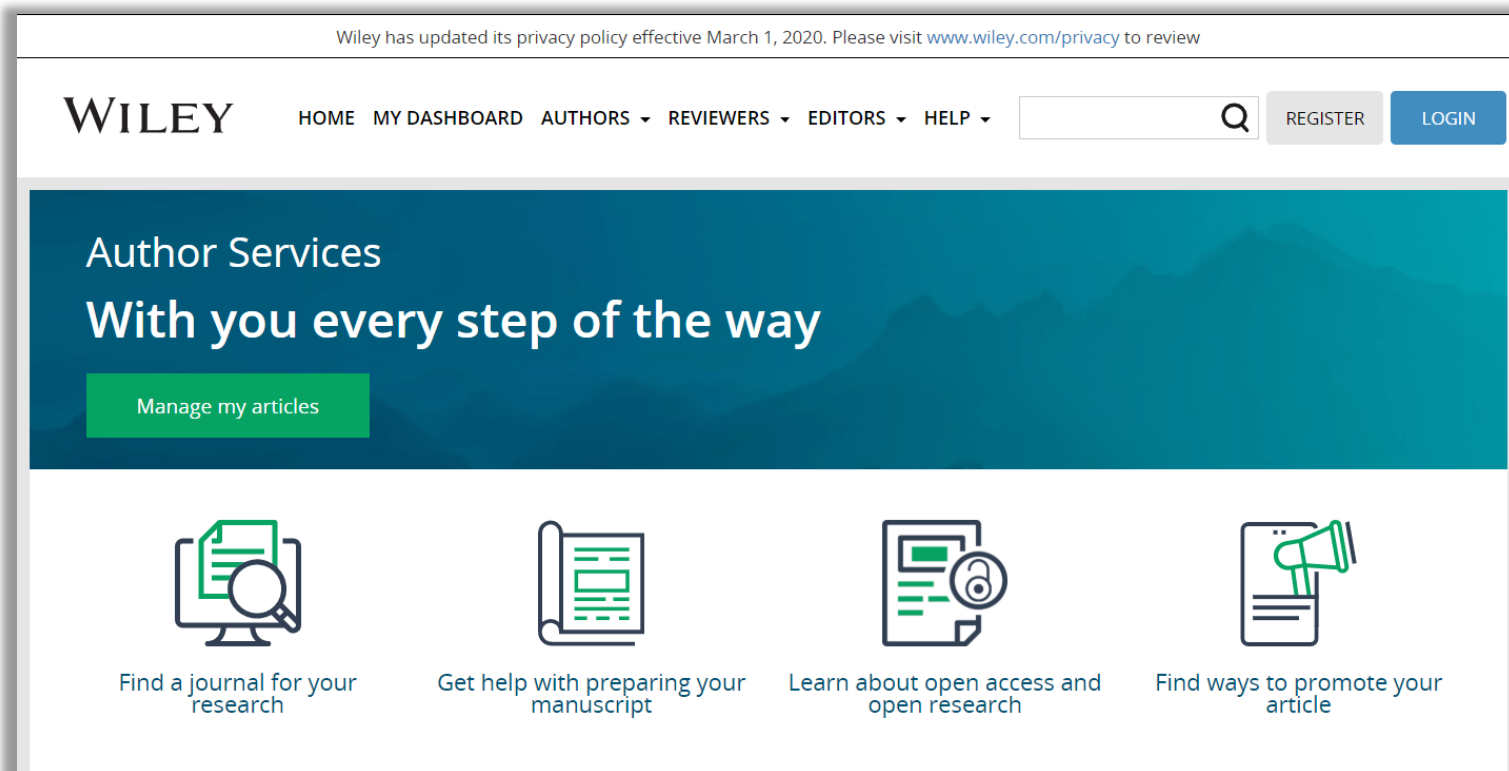
- [OA for authors at eligible **German** institutions](#)
- [OA for authors at eligible **Austrian** institutions](#)
- [OA for authors at eligible **Dutch** institutions](#)
- [OA for authors at eligible **Norwegian** institutions](#)
- [OA for authors at eligible **Hungarian** institutions](#)
- [OA for authors at eligible **Swedish** institutions](#)
- [OA for authors at eligible **Jisc \(UK\)** institutions](#)
- [OA for authors at **Virtual Library of Virginia \(VIVA\)** institutions](#)

Author Resources

As Wiley's publishing partner, *JRST* authors have several helpful tools at their disposal.

Wiley Author Services: Enhancing the Author Experience

Wiley's [Author Services site](#) is a treasure trove of resources. Because there is so much information to sift through there, we have included some of the most useful links for you below.



The screenshot shows the Wiley Author Services website. At the top, there is a navigation bar with the Wiley logo, links for HOME, MY DASHBOARD, AUTHORS, REVIEWERS, EDITORS, and HELP, a search bar, and REGISTER and LOGIN buttons. Below the navigation bar is a teal banner with the text "Author Services With you every step of the way" and a green button labeled "Manage my articles". Underneath the banner are four icons with corresponding text: a magnifying glass over a document icon for "Find a journal for your research", a scroll icon for "Get help with preparing your manuscript", a document with a padlock icon for "Learn about open access and open research", and a megaphone icon for "Find ways to promote your article".

<https://authorservices.wiley.com/home.html>

Author Resource Center [Journal Finder](#), [editing services](#), [promotional toolkits](#), and [training tools](#)

[Author Dashboard](#)

Authors can track the progress of their papers as they make their way through the stages of publication

Wiley Online Licensing Service

[Automatic, online, fast license signing](#), and the ability for authors to change licenses themselves.

Open Access/[OnlineOpen Ordering](#)

Allows authors to change how they pay for open access

[Article Citation Metrics:](#)

Authors can track citations to their articles

Open Collaboration: Manuscripts and Authorea

What are Authorea and Manuscripts?

- [Authorea](#) is a free online writing tool that helps you collaborate with an unlimited number of colleagues in private or public groups.
- [Manuscripts](#) is a free authoring tool for Mac (PC-friendly version is planned for release) that puts your paper into the right journal submission format.

Benefits of Authorea and Manuscripts Include:

- HTML-based, version-controlled, and collaboration-based
- Members can get access to premium features like data storage, DOI minting, and SSO integrations (for labs)
- Integrated with powerful authoring and document conversion

<https://www.authorea.com/>

<https://www.manuscriptsapp.com/>

The screenshot displays the Authorea Preprints interface. At the top, the 'AUTHOREA Preprints' logo is visible on the left, and 'EXPLORE' and 'HELP' links are on the right. The main content area features a manuscript titled 'A Comparison of Wet-Based and Dry-Based EEG Capabilities in detecting P300 waveforms for Brain-Computer Interface Applications'. The manuscript is categorized under 'BIOINFORMATICS', 'COMPUTER INTERFACES', and 'NEUROLOGY'. The authors listed are M. Bicer (Faculty of Science, Ankara University, Ankara, Turkey), H. Duran Yildiz (IAT, Ankara University, Ankara, Turkey), and I. Yildiz (Middle East Technical University, Ankara, Turkey). The citation information is: 'Citation: M. Bicer, et al. A Comparison of Wet-Based and Dry-Based EEG Capabilities in detecting P300 waveforms for Brain. Authorea. May 12, 2017. DOI: 10.22541/au.149039726.69540798'. Below the citation, there is a section for the 'Journal of Neural Engineering' with the latest status: 'Desk accepted on January 15, 2019. Awaiting review.' and a note: 'Please note that this article has not completed peer-review.' The abstract section states: 'This study compares a dry-electroencephalography (EEG) approach that does not require external shielding. This makes it amenable for a clinical EEG-based brain-computer interface (BCI) platform. A BCI forges a command relationship between the brain and a computer. We provide a direct side-by-side reference comparison of the dry-EEG methodology with a reference 64-channel wet-EEG approach. As the P300 is a robust dual polarity waveform, spanning the signal space, it works well with clinical-based BCI studies. In this study, six subjects perform a P300 auditory oddball stimulation task while we monitor the P300 with either the dry- or the wet-EEG approach.' The introduction section begins with: 'The Higgs boson with mass around 125 GeV recently discovered by the ATLAS and CMS experiments (Aad 2012, Chatrchyan 2012) at the LHC is found to have properties compatible with the Standard Model predictions (ATLAS 2013, Chatrchyan 2013), as shown for example in Fig. 1 (Ellis 2013). Coupled with the absence of any other indication so far for new physics at the LHC, be it either through precision measurements or via direct searches, this fundamental observation seems to push the energy scale of any physics beyond the Standard Model above several hundred GeV. The higher-energy LHC run, which is expected to start in 2015 at $\sqrt{s} = 13-14.14$ TeV, will extend the sensitivity to new physics to 1 TeV or more.' At the bottom of the screenshot, there are two plots: Plot A is a topographic map showing a region with coordinates from 176.16° to 176.22° longitude and -38.52° latitude, with a color scale for 'Day since 18 May 2012' ranging from 0 to 1000. Plot B is a 3D plot showing a brain model with a depth axis from 0 to 2 cm, and various colored points and lines representing data or activity within the brain.

Wiley Editing Services – With You Every Step of the Way

From manuscript preparation to article promotion, our services save you time and help create the best possible outcome for your work – so you can focus on your research.

Article Preparation Services

- [English Language Editing](#)
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- [Figure Formatting](#)
- [Graphical Abstract Design](#)
- [Manuscript Formatting](#)

Article Promotion Services

- [Video Creation](#)
- [Conference Poster Creation](#)
- [Infographic Creation](#)
- [Lay Summaries](#)
- [Research News Stories](#)

<https://wileyeditingservices.com/en/>

The Wiley Network

The screenshot shows the Wiley Network website. At the top, the 'WILEY' logo is on the left, and a navigation menu includes 'THE WILEY NETWORK', 'INSTRUCTORS & STUDENTS', 'JOURNAL EDITORS', 'LIBRARIANS', 'PROFESSIONALS', 'RESEARCHERS' (highlighted), and 'SOCIETY LEADERS'. Below the navigation is a search bar with the text 'Search Researchers' and a magnifying glass icon. A banner below the search bar reads: 'Wiley has updated its privacy policy effective March 1, 2020. Please visit www.wiley.com/privacy to review.' The main content area features a large image of a woman in a lab coat looking through a microscope. Overlaid on the left side of this image is the text 'I am a Researcher'. Below the image is a section titled 'LATEST CONTENT' with four article cards:

- A Day in the Life of Sophia Frenzt: Fighting for Diversity and a More Inclusive Scientific World** (with a photo of Sophia Frenzt)
- Finding new, Robust and Practical Ways to Add Transparency to Peer review: The Clinical Genetics Story** (with a photo of a mountain landscape)
- Multilingualism as Knowledge: Multilingual Proficiency and Linguistic Theory** (with a graphic showing various greetings like 'merhaba', 'Ciao', 'hello', 'GUTEN TAG', 'HELLO', 'BOK', 'CONJOUR', 'ni hao', 'HOLA')
- New Ways of Seeing - Art and Science Heading Towards the Future** (with a photo of a tree trunk)

A thought leadership blog dedicated to keeping researchers up-to-date on the latest trends in scholarly publishing

<https://www.wiley.com/network/researchers>

Author Marketing

JRST values author feedback and frequently promotes its authors' outstanding work.

Wiley's Author Nurture Program

Using the latest marketing technology, Wiley has designed email campaigns to collect your feedback and use it to improve your publishing experience with *JRST* and other Wiley journals.

Voice of the Author Building on our previous Author Satisfaction Surveys, Wiley's Voice of the Author program for *JRST* authors measures your satisfaction level and likelihood to recommend *JRST*, capturing your feedback on your publishing experience. Don't overlook our emails! Your feedback lets the *JRST* editors and Wiley know how we're doing and how we can improve.

Publish with Us Again Using our Voice of the Author program, we identify your publishing needs, preferences, and goals following your recent publication in *JRST* or another Wiley journal. This allows us to personalize our emails to you and time them according to your future publishing plans -from preparing your article, right through to publication. Again, don't overlook our emails! Your responses will ensure you have all the resources you need to successfully publish with us again.

Author Promotion

Wiley organizes email campaigns to promote *JRST* authors and their cutting-edge work. See below the campaigns you could be featured in:

1

Increased Impact Factor Campaign

Targeted to *JRST*'s recent authors and sent within 48 hours of the Impact Factor release, this bespoke email campaign highlights *JRST*'s Impact Factor successes and thanks authors for their contributions.



2

Top 20 Articles Campaign

Recognizes *JRST* authors whose articles have generated the most downloads in the 12 months following publication. Authors are encouraged to promote their accomplishment on Twitter through the hashtag #Top20Article and can download a digital certificate of achievement from *JRST*.



3

Top Cited Articles Campaign

This custom campaign, featuring top cited articles from *JRST*, will educate, inform, and further boost the reputation and relevance of your work. The five highest cited articles during the most recent quarter will be made freely available for new readers to download, share, and cite!



Enhancing the discoverability of *JRST* articles

By leveraging existing license agreements, Wiley maximizes the readership of *JRST* articles and empowers authors to easily share their research.

- [Article Share](#) enables authors to select up to ten colleagues to receive unlimited free access to their paper.
- [Wiley Content Sharing](#) allows readers and researchers with institutional access to the journal to access a unique sharing link to an enhanced PDF version of an article on Wiley Online Library, and they can share it with unlimited people.
- [Search Engine Optimization](#) More than 50% of traffic to Wiley Online Library comes directly from Google, Google Scholar, and other search engines. Wiley does everything possible to ensure that all research content is visible and high ranking in the search results of Google and other engines, but you can also play a crucial role in optimizing the search results for your article – helping people to find, read, and cite your work.



We welcome your comments and questions which we will address and make available to you. You can access the form [here](#). Thank you in advance for your feedback!

Troy Sadler and Felicia Mensah