

Dear Gender and STEM 2022 participant,

It was wonderful to meet everyone and attend a plethora of enriching and stimulating presentations at the 2022 Gender and STEM Network Conference hosted by the Universität der Bundeswehr München! We hope you had a safe trip back home.

Below is a formal call for papers, and information regarding the Special Issue of the *International Journal of Gender, Science, and Technology* (IJGST), that will result from the conference.

About the journal

IJGST is an open access, peer reviewed journal that welcomes contributions from practitioners, researchers and policy-makers concerned with gender issues in and of science and technology, including engineering, and construction and the built environment. The journal aims to help foster and provide a focus for constructive debate and stimulate the exchange of ideas between key players and experts in this field to promote the sharing of knowledge and new understandings. Therefore, the journal explicitly targets scientists but also practitioners and policy-makers, who often do not have access to scientific literature.

A link to the journal's latest issue can be found here:

<http://genderandset.open.ac.uk/index.php/genderandset>

About the Special Issue

In line with this year's conference theme and the journal's aim to facilitate connectivity between its component audience groups, we seek contributions to a Special Issue focusing on barriers at various levels to female participation in STEM across educational stages and contexts, as well as bridges in the form of evidence-based pre- and interventions, programs, practices, and policies that can help to get and keep girls and women engaged in STEM.

We therefore invite submissions for a Special Issue on the following topic:

“Gendered Pathways: Identifying Barriers and Building Bridges to STEM Education and Careers”

The topics covered may contribute (but are not limited) to answer the following questions:

- Where and why do we still see gendered pathways in STEM? Which intraindividual differences, interindividual factors, educational processes, and structural inequalities act as barriers to female participation and help explain existing gender disparities in STEM?
- Which personal (e.g., competencies, self-related perceptions) and contextual resources (e.g., memberships in groups, organizations, societies, cultures) pave the ways to STEM fields?
- What is the role of social relationships in encouraging or preventing female students, including female students from minority groups, from pursuing and persisting in STEM domains?
- How can scientists, practitioners, and policy-makers contribute to dismantling gendered barriers and help building bridges to STEM? How can the sustainability of effective pre- and interventions, programs, practices, and policies be ensured?

Elisabeth Höhne (Leibniz Universität Hannover), Lysann Zander (Leibniz Universität Hannover), and Helen M. G. Watt (University of Sydney) will guest edit this Special Issue and invite submissions in any of the journal's following article formats:

- a. Theoretical paper (5000-8000 words)
- b. Empirical research paper (5000-8000 words)

- c. Perspective (2000-3000 words)
- d. Case study (2000-3000 words)

Further information on the article format can be found here:

<http://genderandset.open.ac.uk/index.php/genderandset/about/editorialPolicies#sectionPolicies>

You may also find it useful to visit some of the past Special Issues:

<https://genderandset.open.ac.uk/index.php/genderandset/issue/view/35>

<https://genderandset.open.ac.uk/index.php/genderandset/issue/view/34>

Submission deadlines

We encourage you to submit a 150-200 word abstract, to be sent to elisabeth.hoehne@iew.uni-hannover.de by November 30, 2022. Along with your abstract, please state which *article format* your submission will comprise, as well as your (working) title.

The due date for full papers is February 28, 2023, in accordance with the time schedule below. Papers will be peer-reviewed, and article conceptualization should follow the journal's guidelines:

<http://genderandset.open.ac.uk/index.php/genderandset/about/submissions#authorGuidelines>

Please note that articles that do not comply with the IJGST guidelines will be returned to the authors. Here is a short overview of our planned time schedule:

Milestones	
Abstract submission	November 30, 2022
Submission date for papers	February 28, 2023
Author 1 st revisions completed	May 31, 2023
Publication date	October 2023, subject to change

Please do not hesitate to email us if you have questions about any of the above. We hope this finds you well, and very much look forward to receiving your work.

Kind regards,

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