

Gender & Diversity in the Cultures of Physics: Further Reading and Links

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For the references of the literature und studies that I mentioned in the talk, please see the slides (pdf).

Here you will find more references of studies, recommendation papers and links for more data.

Further Studies

Ellis-Robinson, T. (2021): Identity development and intersections of disability, race, and STEM: Illuminating perspectives on equity. In: Cultural Studies of Science Education <https://doi.org/10.1007/s11422-020-10011-x>.

Hyater-Adams,S.; Fracchiolla, C.; Williams, T. et al. (2019): Deconstructing Black physics identity: Linking individual and social constructs using the critical physics identity framework. In: Physical Review Physics Education Research 15, 020115

Moss-Racusin et al. (2012): Science faculty’s subtle gender biases favor male students. In: PNAS 109: 16474-16479

Hofstra et al. (2020): The Diversity–Innovation Paradox in Science. In: PNAS 117 (17) 9284-9291.
<https://doi.org/10.1073/pnas.1915378117>

Aycock et al. (2019): Sexual harassment reported by undergraduate female physicists. In: Phys. Rev. Phys. Educ. Res. 15, 010121.

Barthelemy et al. (2015): Understanding Women’s Gendered Experiences in Physics and Astronomy Through Microaggressions. Proceedings of the 2014 Physics Education Research Conference.

She et al. (2024): Gender differences in collaboration and career progression in physics. arXiv:2408.02482

Recommendation for actions

Attached as extra pdfs

Baur et al. (2015): Geschlechtergerechtigkeit in der Wissenschaft. Forschungsbasierte Handlungsempfehlungen am Beispiel der Physik. Berlin.
[Gender equality in science. Research-based recommendations for action for the case of physics. Berlin.]

https://www.researchgate.net/publication/281525485_Geschlechtergerechtigkeit_in_der_Wissenschaft_Forschungsbasierte_Handlungsempfehlungen_am_Beispiel_der_Physik

Wagner, Paulitz, Dölemeyer, Fousse (2021): Jenseits der Gläsernen Decke – Professorinnen zwischen Anerkennung und Marginalisierung: Handreichung für Gleichstellungs- und Hochschulpolitik

[Beyond the Glass Ceiling – Women Professors Between Recognition and Marginalization]

<https://www.ssoar.info/ssoar/handle/document/76469?locale-attribute=en>

Jeschke, Ihsen (2014): Genderation BeSt. Untersuchung von geschlechterneutralen und gendersensiblen Berufsstrategien.

[Genderation BeSt. Investigation of gender-neutral and gender-sensitive appointment strategies.]

https://www.researchgate.net/publication/262646655_Generation_BeSt_Untersuchung_von_geschlechterneutralen_und_gendersensiblen_Berufsstrategien

Initiatives

On revising research quality assessment: Coalition for Advancing Research Assessment:

<https://coara.eu/>

Working Group on Women in Physics of IUPAP:

<https://iupap.org/who-we-are/internal-organization/working-groups/wg5-women-in-physics/>

organizes every three years the International Conference on Women in Physics (ICWIP)

Sources for data in Germany

<https://www.gesis.org/cews/daten-und-informationen/statistiken> [ger]

<https://www.gesis.org/en/cews/data-and-information/gender-monitoring> [eng]

<https://www.innovative-frauen-im-fokus.de/infopool/daten-und-fakten/> [ger]