

## The Great Divide: The Lack of Female Mathematicians in Higher Education

### Abstract

The gender imbalance in STEM (science, technology, engineering, and mathematics) has been perpetuated by the misconception that girls are not as strong in STEM as boys. This is especially true in academia, where women struggle to attain fellowships and tenure positions in higher education. Research has shown that without proper training and mentorship of young women, it is difficult for female students to continue down the path of mathematical research and professorships. In response, this paper aims to examine related themes such as girl's attitude towards math, the positive influence of role models, and women's access to STEM jobs. Journal articles were gathered from science and education journals. Several news articles were used for further insight. The findings revealed that efforts must be made on all fronts, from educational institutions to government agencies, group such as the Association of Women in Mathematics and the National Institute for Women in Trades, Technology, and Science (IWITTS) are working hard to nurture women in STEM fields and highlight their achievements.