

Abstract Submitted
for the APR21 Meeting of
The American Physical Society

The Leaky Pipeline in Physics Publishing CLARA ROSS, Vassar College, ADITYA GUPTA, NINAREH MEHRABI, GORAN MURIC, KRISTINA LERMAN, USC — Women make up a shrinking portion of physics faculty in senior positions, a phenomenon known as a “leaky pipeline.” While fixing this problem has been a priority in academic institutions, efforts have been stymied by the diverse sources of leaks. In this paper we identify a bias potentially contributing to the leaky pipeline. We analyze bibliographic data provided by the American Physical Society (APS), a leading publisher of physics research. By inferring the gender of authors from names, we are able to measure the fraction of women authors over past decades. We show that the more selective, higher impact APS journals have lower fractions of women authors compared to other APS journals. Correcting this bias may help more women publish in prestigious APS journals, and in turn help improve their academic promotion cases.

Clara Ross
Vassar College

Date submitted: 06 Jan 2021

Electronic form version 1.4