

Girls' Underperformance in Science: From Biological Determinism and Feminist Perspectives

Authors : Raza Ullah, Hazir Ullah

Abstract : There is ample evidence that reveals the outstanding performance of girls in a different range of subjects. However, it is pertinent to mention here that boys have historically dominated girls, particularly in math, physics, and technological subjects across the globe with the exception of few developed countries. This article examines the reasons why girls are underdog in STEM subjects. The article critically analyzes two main approaches towards gender and education: biological determinist and feminist. This article highlights that social factors influencing girls performance in STEM subjects have not analyzed critically, and girls underachieving in science has linked with biological and sex differences. The article concludes that the underperformance of girls in a STEM subject is the direct response of socio-cultural factors. Thus, socio-cultural factors are responsible for the dearth of girls in STEM subjects.

Keywords : gender, underperformance, STEM, education, sex

Conference Title : ICGEE 2020 : International Conference on Gender Equality in Education

Conference Location : Venice, Italy

Conference Dates : April 09-10, 2020