

Women in Physics Contents

<i>Part 1 – Gender Issues in Physics and Physics Education</i>	5
Women’s responses to an activity-based introductory physics curriculum	7
Priscilla W. Laws, Pamela J. Rosborough, and Frances J. Poodry, <i>Am. J. Phys.</i> 67 , S32 (1999)	
Women in physics: A review.	13
Laura McCullough, <i>Phys. Teach.</i> 40 , 86 (2002)	
What works for women in undergraduate physics?	19
Barbara L. Whitten, Suzanne R. Foster, and Margaret L. Duncombe, <i>Physics Today</i> 46-51 (September 2003)	
Gender in the physics classroom	25
Laura McCullough, <i>Phys. Teach.</i> 45 , 316 (2007)	
<i>Part 2 – Gender-related Physics Education Research</i>	27
Reducing the gender gap in the physics classroom: How sufficient is interactive engagement?	29
Steven J. Pollock, Noah D. Finkelstein, and Lauren E. Kost, <i>Phys. Rev. ST Phys. Educ. Res.</i> 3 , 010107 (2007)	
Gender differences in the high school and affective experiences of introductory college physics students	33
Zahra Hazari, Phillip M. Sadler, and Robert H. Tai, <i>Phys. Teach.</i> 46 , 423 (2008)	
Characterizing the gender gap in introductory physics	38
Lauren E. Kost, Steven J. Pollock, and Noah D. Finkelstein, <i>Phys. Rev. ST Phys. Educ. Res.</i> 5 , 010101 (2009)	
Preliminary investigation of instructor effects on gender gap in introductory physics	52
Kimberley Kreutzer and Andrew Boudreaux, <i>Phys. Rev. ST Phys. Educ. Res.</i> 8 , 010120 (2012)	
Assessing gender differences in response system questions for an introductory physics course	60
Chris T. Richardson and Brian W. O’Shea, <i>Am. J. Phys.</i> 81 , 231 (2013)	
Factors that affect the physical science career interest of female students: Testing five common hypotheses	66
Zahra Hazari, Geoff Potvin, Robynne M. Lock, Florin Lung, Gerhard Sonnert, and Philip M. Sadler, <i>Phys. Rev. ST Phys. Educ. Res.</i> 9 , 020115 (2013)	
<i>Part 3 – Biographical Articles</i>	75
Pioneer women in nuclear science.	77
M.F. Rayner-Canham and G.W. Rayner-Canham, <i>Am. J. Phys.</i> 58 , 1036 (1990)	
Lise Meitner in Sweden 1938-1960: Exile from physics	85
Ruth Lewin Sime, <i>Am. J. Phys.</i> 62 , 695 (1994)	
Sarah Frances Whiting: A foremother of American women physicists	92
Frieda A. Stahl, <i>Am. J. Phys.</i> 73 , 1009 (2005)	
The legacy of Melba Newell Phillips (1907-2004)	97
Francis Bonner, <i>Phys. Teach.</i> 43 , 132 (2005)	
<i>Part 4 – Analyses of the Role of Women in Science</i>	101
Employment of women in physics	102
Guenter Schwarz and Betty Lou Dilmore, <i>Am. J. Phys.</i> 22 , 184 (1954)	
Early science books and their women translators	105
Simona Badilescu, <i>Phys. Teach.</i> 36 , 516 (1998)	
Escape from the pipeline: Women using physics outside academia	108
Jill A. Marshall, <i>Phys. Teach.</i> 46 , 20 (2008)	
Women and men of the Manhattan Project	113
Jill Marshall, Caroline Herzenberg, Ruth Howes, Ellen Weaver, and Dorothy Gans, <i>Phys. Teach.</i> 48 , 228 (2010)	