

1. Record Nr.	UNINA9910298518003321
Titolo	Advancing Women in Science : An International Perspective // edited by Willie Pearson, Jr., Lisa M. Frehill, Connie L. McNeely
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-08629-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (353 p.)
Disciplina	305.3 330 361 381 658514
Soggetti	Management Industrial management Social policy Globalization Markets Sociology Innovation/Technology Management Social Policy Emerging Markets/Globalization Gender Studies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Foreword -- Ch 1 Introduction -- Part I Cross Cultural Foundational Issues -- Ch 2 Women's Enrollments in STEM in Higher Education -- Ch 3 Gender, Science and Occupational Sex Segregation -- Ch 4 Building Knowledge to Narrow the Gender Divide -- Part II Exemplar Disciplines -- Ch 5 Data on Women in the Scientific Workforce -- Ch 6 Women in Mathematics -- Ch 7 Women in Statistics -- Ch 8 Computer Science -- Part III Policies and Programs -- Ch 9 Promising Programs—A Cross-National Exploration of Women in Science, Education and Workforce --

Sommario/riassunto

Many countries have implemented policies to increase the number and quality of scientific researchers as a means to foster innovation and spur economic development and progress. To that end, grounded in a view of women as a rich, yet underutilized knowledge and labor resource, a great deal of recent attention has focused on encouraging women to pursue education and careers in science — even in countries with longstanding dominant patriarchal regimes. Yet, overall, science remains an area in which girls and women are persistently disadvantaged. This book addresses that situation. It bridges the gap between individual- and societal-level perspectives on women in science in a search for systematic solutions to the challenge of building an inclusive and productive scientific workforce capable of creating the innovation needed for economic growth and societal wellbeing. This book examines both the role of gender as an organizing principle of social life and the relative position of women scientists within national and international labor markets. Weaving together and engaging research on globalization, the social organization of science, and gendered societal relations as key social forces, this book addresses critical issues affecting women's contributions and participation in science. Also, while considering women's representation in science as a whole, examinations of women in the chemical sciences, computing, mathematics, and statistics are offered as examples to provide insights into how differing disciplinary cultures, functional tasks, and socio-historical conditions can affect the advancement of women in science relative to important variations in educational and occupational realities. Edited by three social scientists recognized for their expertise in science and technology policy, education, workforce participation, and stratification, this book includes contributions from an intellectually diverse group of international scholars and analysts, and features compelling cases and initiatives from around the world, with implications for research, industry practice, education, and policy development.