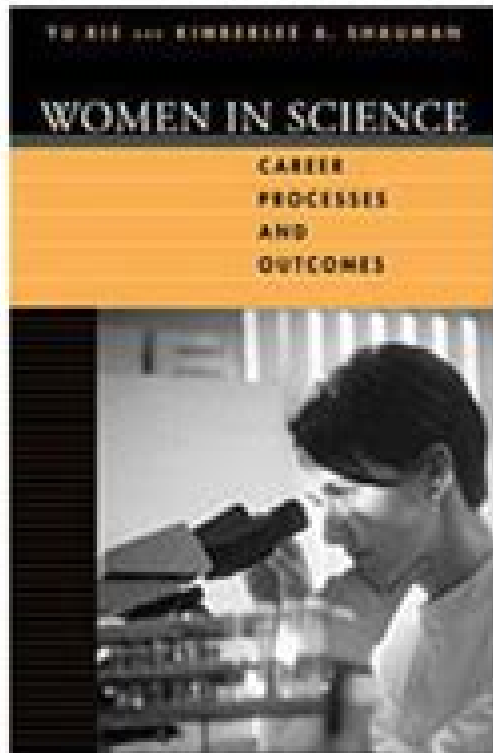


WOMEN IN SCIENCE: Career Processes and Outcomes



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Women In Science Career Processes And Outcomes

Renata Siemieńska, Annette Zimmer



Women In Science Career Processes And Outcomes:

Women in Science Yu Xie, Kimberlee A. Shauman, 2003 Why do so few women choose a career in science even as they move into medicine and law in ever greater numbers In one of the most comprehensive studies of gender differences in science careers ever conducted *Women in Science* provides a systematic account of how U S youth are selected into and out of science education in early life and how social forces affect career outcomes later in the science labor market Studying the science career trajectory in its entirety the authors attend to the causal influences of prior experiences on career outcomes as well as the interactions of multiple life domains such as career and family While attesting to the progress of women in science the book also reveals continuing gender differences in mathematics and science education and in the progress and outcomes of scientists careers The authors explore the extent and causes of gender differences in undergraduate and graduate science education in scientists geographic mobility in research productivity in promotion rates and earnings and in the experience of immigrant scientists They conclude that the gender gap in parenting responsibilities is a critical barrier to the further advancement of women in science

Patent Intensity and Economic Growth Daniel Benoliel, 2017-12-14 A theoretical critique of the patent and innovation policy funnelled by intellectual property instruments towards developing countries

Breaking In Ann Wolverton, Lisa Nagaoka, Mimi Wolverton, 2023-07-03 Why is it that while women in the United States have generally made great strides in establishing parity with their male counterparts in educational attainment they remain substantially underrepresented in the fields of science technology engineering and mathematics STEM Why is it that in proportion to the PhDs they obtain in STEM they attain fewer administrative and managerial positions in academia and industry than their numbers warrant and moreover are more likely leave the field once started in their careers In the culture and context of women s advancement and satisfaction with careers in STEM the data show that many challenges and obstacles remain By showcasing the stories of eight women scientists who have achieved successful careers in the academy industry and government *Breaking In* offers vivid insights into the challenges and barriers that women face in entering STEM while also describing these women s motivations the choices they made along their paths and the intellectual satisfactions and excitement of scientific discovery they derive from their work *Breaking In* underscores issues aspiring women scientists will encounter on their journeys and what they can do to forestall potential obstacles advocate for change and fulfill their ambitions And it speaks to the question What can be done to encourage more women to specialize in science mathematics and engineering In doctoral granting institutions where women must start if they hope to earn advanced degrees *Breaking In* can serve both as a student text and as guide for department chairs and deans who are concerned about organizational climate and culture and their impact on retention in STEM fields At a broader level this book offers advice and inspiration to women contemplating entering STEM fields as well to the teachers researchers and administrators responsible for nurturing these women growing enrollments in their disciplines and developing creative and intellectual capital that the nation needs

to compete in the global marketplace Gender and Education Barbara J. Bank, 2007-09-30 In this two volume set educators explore the intersection of gender and education Their entries deal with educational theories research curricula practices personnel and policies but also with variations in the gendering of education across historical and cultural contexts The various contributors discuss gender as a social construction The latest research on boys and masculinities as well as girls and feminism is included The entries in this work cover the breadth of topics related to gender and education They provide reference information on the history and condition of gender and education from elementary to high school Entries cover such topics as alternative schools historically black colleges and universities in the United States military colleges and academies private and public single sex and co educational schools literacy mathematics achievement women s centers teacher interactions with girls and boys affirmative action in U S higher education sororities and fraternities educator sexual misconduct expectations of teachers for boys and girls heterosexism and homophobia bullying harassment and violence among students salaries of male and female educators school choice and gender equity disabled students and gender equity Title IX and school sports black feminism womanism and queer theory Engineering Corri Zoli, Shobha Bhatia, Valerie Davidson, Kelly Rusch, 2022-06-01 In this book we explore a sea change occurring in leadership for academic women in the sciences and engineering Our approach is a two pronged one On the one hand we outline the nature of the changes and their sources both in various literatures and from program research results On the other hand we specify and provide detail about the persistent problems and obstacles that remain as barriers to women s full participation in academic science and engineering their career advancement and success and most important their role as leaders in making change At the heart of this book is our goal to give some shape to the research practice and programs developed by women academic leaders making institutional change in the sciences and engineering Table of Contents Women in a New Era of Academic Leadership Background Academic Leadership for Women in Science and Engineering Gender and Leadership Theories and Applications Women in Engineering Leadership Institute Critical Issues for Women Academic Engineers as Leaders From Success Stories to Success Strategies Leadership for Promoting Diversity in Academic Science and Engineering Conclusion **AWIS Magazine** , 2004 Women in Science Xie, 2000-04 Formation and Evolution of Cosmic Structures Siegfried Röser, 2009-09-28 This 21st volume in the series contains 15 invited reviews and highlight contributions presented during the 2008 International Scientific Conference of the German Astronomical Society on the topic of New Challenges to European Astronomy held in Vienna Austria The papers discuss a wide range of hot topics including cosmology high energy astrophysics astroparticle physics gravitational waves extragalactic and stellar astronomy together representing the roadmap for modern astrophysical research **Feminist Periodicals** , 2006 History and Philosophy of the Life Sciences , 2005 **Academe** American Association of University Professors, 2009 **Summaries of Projects Completed in Fiscal Year** ... , 1978 *Choice* , 2004 *Gendered Career Trajectories in Academia in Cross-national Perspective* Renata

Siemieńska, Annette Zimmer, 2007 What are the academic career options for women in various European countries What has changed Does the glass ceiling still exist In a comparative perspective contributors from different countries provide answers to these questions By investigating the interrelationship between strategy and structure the articles in this study focus on the interconnectedness between the institutional environment of systems of higher education and the strategic behavior aspirations hopes and desires of female academics The book examines how such systems impact those women looking back on their career path those just starting to think about a career in academia or those on their way to applying for a leadership position at a university Materials World ,2004 New Books on Women and Feminism ,2004 **Science** John Michels (Journalist), 2006 A weekly record of scientific progress **Women and Information Technology** J. McGrath Cohoon, William Aspray, 2008 Experts investigate the reasons for low female participation in computing and suggest strategies for moving toward parity through studies of middle and high school girls female students and postsecondary computer science programs and women in the information technology workforce *Stocktaking 10 Years of "Women in Science" Policy by the European Commission 1999-2009* European Commission. Directorate General for Research, 2010 Ten years ago the European Commission started its activities on women in science This Report records this ten year history analyses the activities undertaken provides an assessment of their effectiveness and appropriateness and whenever possible includes a reflection on what did not work what was not done and how these omissions could be addressed The authors believe that this report a stocktaking of 10 years of activities on women in science Will help the European Commission to make decisions on future policy because of the perspective provided by the process of taking stock And this report should also help future proposal presenters providing them with the background to the topic and the details of previously funded projects thereby placing the Framework Programme calls into a policy development context Editor **Oilfield Review** ,2004

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