Gender and Occupational Outcomes

LONGITUDINAL ASSESSMENTS OF INDIVIDUAL, SOCIAL, AND CULTURAL INFLUENCES

Edited by Helen M. G. Watt and Jacquelynne S. Eccles

American Psychological Association
Washington, DC
CONTENTS

Contributors ix
List of Tables and Figures xvii

Gender and Occupational Outcomes: An Introduction 3
Helen M. G. Watt

I. Mathematics as the Critical Filter? 25

Chapter 1. Gender, Mathematics Achievement, and the Educational and Occupational Aspirations of Canadian Youth 27
Jennifer D. Shapka, José F. Domene, and Daniel P. Keating

Chapter 2. Mathematics as the Critical Filter: Curricular Effects on Gendered Career Choices 55
Xin Ma and Willis Johnson
II. Psychological Processes and Gendered Participation in Math, Science, and Technology-Based Careers ................................................. 85

Chapter 3. What Motivates Females and Males to Pursue Sex-Stereotyped Careers? .............................................................. 87
Helen M. G. Watt

Chapter 4. Gendered High School Course Selection as a Precursor of Gendered Careers: The Mediating Role of Self-Concept and Intrinsic Value ................................................................. 115
Gabriel Nagy, Jessica Garrett, Ulrich Trautwein, Kai S. Cortina, Jürgen Baumert, and Jacquelynne S. Eccles

Chapter 5. Testing for Time-Invariant and Time-Varying Predictors of Self-Perceived Ability in Math, Language Arts, and Science: A Look at the Gender Factor .................................................. 145
Barbara M. Byrne

Chapter 6. A Sociomotivational Analysis of Gender Effects on Persistence in Science and Technology: A 5-Year Longitudinal Study .................................................................................. 171
Simon Larose, Catherine F. Ratelle, Frédéric Guay, Caroline Senécal, Marylou Harvey, and Evelyne Drouin

III. The Importance of Family Considerations, Family, and Biology in Gendered Career Choices ............................................. 193

Chapter 7. Is the Desire for a Family-Flexible Job Keeping Young Women Out of Male-Dominated Occupations? ................................................................. 195
Pamela M. Frome, Corinne J. Alfeld, Jacquelynne S. Eccles, and Bonnie L. Barber

Chapter 8. Gender-Typed Occupational Choices: The Long-Term Impact of Parents' Beliefs and Expectations ....................................................... 215
Christina S. Chhin, Martha M. Bleeke, and Janis E. Jacobs
Chapter 9. Biological Contributors to Gendered Occupational Outcome: Prenatal Androgen Effects on Predictors of Outcome .................................................. 235
Sheri A. Berenbaum and Kristina L. Korman Bryk

IV. Social and Institutional Constraints on Women’s Career Development ........................................ 265

Chapter 10. Gendered Occupational Outcomes From Multilevel Perspectives: The Case of Professional Training and Work in Turkey ................................. 267
Ahu Tatli, Mustafa F. Özbilgin, and Fatma Küskü

Chapter 11. Advancing Women Faculty in Science and Engineering: An Effort in Institutional Transformation .............................................................. 299
Abigail Stewart and Danielle LaVaque-Manty

Chapter 12. The Continuing Technological Revolution: A Comparison of Three Regions’ Strategies for Creating Women-Inclusive Workplaces ................. 323
Christina M. Vogt

Author Index .................................................................................................................. 353

Subject Index .............................................................................................................. 365

About the Editors ....................................................................................................... 383