

1. Record Nr.	UNINA9911099340303321
Autore	Baker Maureen
Titolo	Academic careers and the gender gap / / Maureen Baker
Pubbl/distr/stampa	Vancouver, : UBC Press, c2012
ISBN	0-7748-2398-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (221 p.)
Disciplina	378.1/2082
Soggetti	Women college teachers Women in higher education Work and family Sex role in the work environment Universities and colleges - Social aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Setting the Scene -- Gendered Patterns of Education, Work, and Family Life -- University Restructuring and Global Markets -- Social Capital and Gendered Responses to University Practices -- Gendered Families and the Motherhood Penalty -- Subjectivities and the Gender Gap -- Explaining the Academic Gender Gap -- Methodological Appendix.
Sommario/riassunto	Women earn nearly half of all new PhDs in Canada, the United States, Australia, New Zealand, and the United Kingdom. Why, then, do they occupy a disproportionate number of the junior-level positions at universities while their male counterparts continue to snap up 80 percent of the more prestigious jobs? In Academic Careers and the Gender Gap, Maureen Baker explains the reasons behind this inequality, drawing on interviews with male and female scholars, previous research, and her own thirty-eight-year academic career. Using a feminist political economy and interpretive theoretical framework, she argues that current university priorities and collegial relations often magnify the impact of gendered families and identities and perpetuate the academic gender gap. Baker sets academia in the wider context of restructuring labour markets and gendered earning patterns within families. The result is a revealing portrait of significant and persistent differences in job security, institutional affiliation,

working hours, rank, salary, job satisfaction, collegial networks, and career length between male and female scholars.

2. Record Nr.	UNINA9911139749503321
Titolo	Fish biomechanics / / edited by Robert E. Shadwick, George V. Lauder
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Academic Press, c2006
ISBN	1-281-05041-5 9786611050412 0-08-047776-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (556 p.)
Collana	Fish physiology series ; ; v. 23
Altri autori (Persone)	ShadwickRobert Edward <1953-> LauderGeorge V
Disciplina	571.43197 597.01 597/.01
Soggetti	Biomechanics Fishes - Physiology
Lingua di pubblicazione	Inglese
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Nota di contenuto	Cover Page; Title; Copyright; Fish Biomechanics; Contents; Contributors; Preface; Chapter 1: Mechanics of Respiratory Pumps; I. Introduction; II. Aquatic Respiratory Pumps; III. Aerial Respiratory Pumps; IV. Future Directions; References; Chapter 2: Skull Biomechanics and Suction Feeding in Fishes; I. Introduction; II. Skull Morphology and Mechanisms; III. Biomechanical Models of Skull Function; IV. Suction Feeding for Prey Capture; V. Ecomorphology of Fish Feeding; VI. Phylogenetic Patterns of Feeding in Fishes; VII. Summary and Conclusions; References Chapter 3: Functional Morphology of the Pharyngeal Jaw ApparatusI. Introduction; II. The Pharyngeal Jaw Apparatus of Perciform Fishes; III. Innovation in the Pharyngeal Jaw Apparatus; IV. Summary; References; Chapter 4: The Hydrodynamics and Structural Mechanics of the Lateral Line System; I. Introduction; II. General Function, Structure, and

Organization; III. Hair Cell Micromechanics; IV. Lateral Line Mechanics and Hydrodynamics; V. Concluding Remarks; References; Chapter 5: Skin and Bones, Sinew and Gristle: the Mechanical Behavior of Fish Skeletal Tissues; I. Introduction
 II. A Primer on Mechanical Behavior III. Bone; IV. Cartilage; V. Tendon; VI. Skin; VII. Whole Body Mechanics; VIII. Conclusions; References; Chapter 6: Functional Properties of Skeletal Muscle; I. Introduction; II. Ultrastructure; III. Fiber Types; IV. Patterns of Innervation; V. Mechanics of Contraction; VI. Scaling; VII. Axial Variation; VIII. Effects of Temperature; IX. Summary; X. Future Directions; References; Chapter 7: Structure, Kinematics, And Muscle Dynamics In Undulatory Swimming; I. Introduction; II. Myomere Structure and Force Transmission? Pathways; III. Steady Swimming Kinematics
 IV. Muscle Dynamics Along the Body in Steady Swimming V. Specializations in Thunniform Swimmers; VI. Summary and Future Directions; References; Chapter 8: Stability and Maneuverability; I. Introduction; II. General Principles; III. Stability; IV. Maneuvering; V. Future Directions; References; Chapter 9: Fast-start Mechanics; I. Introduction; II. Initiation of the Fast Start; III. Muscular Contraction Acts to Bend the Fish; IV. Stage 1 Body Bending Occurs with a Traveling Wave of Curvature; V. Muscle Power Production and Force Transmission to the Water
 VI. Hydrodynamic Forces Accelerate the Body VII. Variations in Fast-Start Performance; VIII. Conclusions; IX. Future Directions; References; Chapter 10: Mechanics of Pectoral Fin Swimming in Fishes; I. Introduction; II. Pectoral Fin Morphology; III. Motor Patterns of Pectoral Fin Locomotion; IV. Pectoral Fin Kinematics; V. Fluid Dynamics; VI. Pectoral Fin Swimming Performance; VII. Ecomorphology of Pectoral Fin Propulsion; VIII. Summary and Areas for Future Research; References; Chapter 11: Hydrodynamics of Undulatory Propulsion; I. Introduction; II. Classical Modes of Undulatory Propulsion
 III. Theory of Undulatory Propulsion

Sommario/riassunto

The first in two decades to exclusively integrate physiological and biomechanical studies of fish locomotion, feeding and breathing, making this book both comprehensive and unique. This book reviews and integrates recent developments in research on fish biomechanics, with particular emphasis on experimental results derived from the application of innovative new technologies to this area of research, such as high-speed video, sonomicrometry and digital imaging of flow fields. The collective chapters, written by leaders in the field, provide a multidisciplinary view and synthesis of the latest i