

Women Scientists

Reflections, Challenges,
and Breaking Boundaries

Magdolna Hargittai



Women Scientists Reflections Challenges And Breaking Boundaries

István Hargittai



Women Scientists Reflections Challenges And Breaking Boundaries:

Women Scientists Magdolna Hargittai, 2015 A compilation of sixty biographical sketches of influential female scientists discussing topics like the state of the modern female scientist and the underrepresentation of women at the higher levels of academia

Women Scientists Magdolna Hargittai, 2015-03-04 Magdolna Hargittai uses over fifteen years of in depth conversation with female physicists chemists biomedical researchers and other scientists to form cohesive ideas on the state of the modern female scientist The compilation based on sixty conversations examines unique challenges that women with serious scientific aspirations face In addition to addressing challenges and the unjustifiable underrepresentation of women at the higher levels of academia Hargittai takes a balanced approach by discussing how some of the most successful of these women have managed to obtain professional success and personal happiness *Women Scientists* portrays scientists from different backgrounds different geographical regions eighteen countries from four continents and leaders from a variety of professional backgrounds including eight Nobel laureate women The book is divided into three sections Husband and Wife Teams Women at the Top and In High Positions Hargittai uses her own experience to introduce her first section on the lives of prominent scientific couples and addresses the joys and disadvantages of husband and wife teams The second section is a comprehensive exploration of the struggles and triumphs of women at the top Hargittai introduces women from countries where relatively little has been written about female scientists The final section focuses on women scientists involved with science administration and leadership Hargittai s biographical sketches role models for budding scientists The book is a much needed account of female presence and influence in the sciences

Female Innovators Who Changed Our World Emma Green, 2022-04-13 We are not all born with equal opportunities Yet there have been countless of women who have overcome a range of barriers such as prejudice illness and personal tragedy to advance our understanding of science technology engineering and mathematics STEM They used their knowledge to change the world and their stories are fascinating This book offers a concise introduction of the lives of 46 women taking you into the cultural and social context of the world they lived in Through their intelligence courage and resilience they used STEM to defy expectations and inspire generations to follow in their footsteps Some of them invented items we use day to day and discovered causes and treatments for epidemics that ostracised whole sections of society whilst others campaigned for the reproductive rights of women and harnessed mathematics to send people into space and break ciphers These women are proof that females can and did have a hugely significant role in shaping the world we live in today

Meeting the Challenge Magdolna Hargittai, 2023 In her latest book Magdolna Hargittai tells the stories of over 120 women in science who overcame social prejudice and other barriers to excel in their careers Hargittai presents entertaining and engaging accounts of the lives and careers of women scientists in disciplines such as physics astronomy mathematics and medicine These women include historical figures such as Lady Margaret Cavendish a natural philosopher who lived in the 1600s as well as modern day scientists such as COVID 19

vaccine pioneer Katalin Karik *Elements of Ethics for Physical Scientists* Sandra C. Greer, 2017-10-13 A guide to the everyday decisions about right and wrong faced by physical scientists and research engineers This book offers the first comprehensive guide to ethics for physical scientists and engineers who conduct research Written by a distinguished professor of chemistry and chemical engineering the book focuses on the everyday decisions about right and wrong faced by scientists as they do research interact with other people and work within society The goal is to nurture readers ethical intelligence so that they know an ethical issue when they see one and to give them a way to think about ethical problems After introductions to the philosophy of ethics and the philosophy of science the book discusses research integrity with a unique emphasis on how scientists make mistakes and how they can avoid them It goes on to cover personal interactions among scientists including authorship collaborators predecessors reviewers grantees mentors and whistle blowers It considers underrepresented groups in science as an ethical issue that matters not only to those groups but also to the development of science and it examines human participants and animal subjects Finally the book examines scientifically relevant social issues including public policy weapons research conflicts of interest and intellectual property Each chapter ends with discussion questions and case studies to encourage debate and further exploration of topics The book can be used in classes and seminars in research ethics and will be an essential reference for scientists in academia government and industry

Mosaic of a Scientific Life István Hargittai, 2020-04-24 In this book István Hargittai an internationally renowned physical chemist narrates his life by introducing over forty personalities that played noteworthy roles in his career The time span ranges from the Holocaust which the author survived through the periods of hard and softer dictatorships of Soviet type socialism and the current revival of an autocratic regime in Hungary He overcame barriers to get a high school then a university education He received excellent training in Moscow and was active at Hungarian American and other international scientific venues and he has interacted with more Nobel laureates than anyone in the world The chapters feature such famous contributors to world science as Francis Crick Richard L Garwin Ronald J Gillespie Avram Hershko George Klein Paul Lauterbur and Peter Mansfield Peter D Lax Paul Nurse Yuval Ne'eman George A Olah Guy Ourisson Michael Polanyi Andrei D Sakharov Albert Szent Györgyi Edward Teller James D Watson and Eugene P Wigner The areas covered include chemistry molecular biology physics materials science and mathematics On the basis of Hargittai's mosaic of his personal and scientific life I could compose two further patterns One would be the history of the twentieth century and the other the science history of the same time period From the Foreword by the late philosopher Agnes Heller Goethe Medalist Wallenberg Medalist and Hannah Arendt Prize laureate

Science In Moscow: Memorials Of A Research Empire Istvan Hargittai, Magdolna Hargittai, 2019-08-20 The statuary and monuments catalogued in this impressive body of work are accompanied by descriptions of the subjects their work and achievements Chemistry World Moscow is the center of science and higher education of Russia and is also an international hub of science There have been milestone achievements of science in Russia

and the Soviet Union especially in the areas of physics chemistry mathematics the conquest of space various technologies and medicine However the scientists and inventors often created in isolation and have become less known than their discoveries would justify At the same time there is no other city in the world that has so many memorials honoring scientists as Moscow There is a caveat in that political considerations have often influenced who was remembered and who was not This book presents statues memorial plaques and historical buildings Not only celebrated excellences are mentioned but also some of the greats that perished during the years of terror The book is full of human drama and 750 photos illustrate the narrative Science in Moscow follows Budapest Scientific and New York Scientific and is the third in the series about memorials of scientists in great cities of the world *New York Scientific* István Hargittai, Magdolna Hargittai, 2017 New York city is a world center of science and the memorabilia presented introduce the reader to a culture of learning and of creating new knowledge venues of great medicine and a number of exceptional schools graduating world leaders in science

Budapest Scientific István Hargittai, Magdolna Hargittai, 2015-03-26 This guidebook introduces the reader to the visible memorabilia of science and scientists in Budapest statues busts plaques buildings and other artefacts According to the Hungarian American Nobel laureate Albert Szent Gy rgyi this metropolis at the crossroads of Europe has a special atmosphere of respect for science It has been the venue of numerous scientific achievements and the cradle literally of many individuals who in Hungary and even more beyond its borders became world renowned contributors to science and culture Six of the eight chapters of the book cover the Hungarian Nobel laureates the Hungarian Academy of Sciences the university the medical school agricultural sciences and technology and engineering One chapter is about selected secondary schools from which seven Nobel laureates Szent Gy rgyi de Hevesy Wigner Gabor Harsanyi Olah and Kert sz and the five Martians of Science von K r m n Szilard Wigner von Neumann and Teller had graduated The concluding chapter is devoted to scientist martyrs of the Holocaust A special feature in surveying Hungarian science is the contributions of scientists that left their homeland before their careers blossomed and made their seminal discoveries elsewhere especially in Great Britain and the United States The book covers the memorabilia referring to both migr scientists and those that remained in Hungary The discussion is informative and entertaining The coverage is based on the visible memorabilia which are not necessarily proportional with achievements Therefore there is a caveat that one could not compile a history of science relying solely on the presence of the memorabilia Negotiating in/visibility Amelia Bonea, Irina Nastasa-Matei, 2025-08-05 This volume brings together scholars from different disciplinary backgrounds to discuss how women contributed to the making pedagogy institutionalisation and communication of scientific knowledge in the twentieth century and to reflect on the theoretical and methodological challenges of documenting such hidden contributions Featuring examples from China former Czechoslovakia Greece Hungary India Japan Romania the United Kingdom and the United States the contributors discuss women s engagement with science across different institutional and non institutional sites ranging from the laboratory and the school

to the clinic the home and the media The volume moves beyond the professional scientist model to enlarge our understanding of women s participation in twentieth century science and document the complex combination of factors that rendered such contributions in visible to contemporaries and future generations

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