

1. Record Nr.	UNINA9910455780003321
Autore	Gumport Patricia J
Titolo	Academic pathfinders [[electronic resource] ] : knowledge creation and feminist scholarship / / Patricia J. Gumport
Pubbl/distr/stampa	Westport, Conn., : Greenwood Press, 2002
ISBN	1-280-46870-X 9786610468706 0-313-01104-4
Descrizione fisica	1 online resource (217 p.)
Collana	Greenwood studies in higher education, , 1531-8087
Disciplina	378/.0082
Soggetti	Women college teachers Women college students Women in higher education Feminism and education Learning and scholarship Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. [179]-191) and index.

2. Record Nr.	UNINA9910557526003321
Autore	Fioravanti Antonella
Titolo	Crosstalk between MicroRNA and Oxidative Stress in Physiology and Pathology
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (320 p.)
Soggetti	Medicine and Nursing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>MicroRNAs (miRNAs) are small noncoding RNAs that are 19-24 nucleotides in length, following maturation. Recent evidence has demonstrated their key role as post-transcriptional regulators of gene expression through the binding of specific sequences within target messenger RNA (mRNA). miRNAs are involved in the synthesis of a very large number of proteins, and it is speculated that they could regulate up to 30% of the human genome. They control virtually every cellular process and are essential for animal development, cell differentiation, and homeostasis. Altered miRNA expression has been linked to such pathological events as inflammatory, degenerative, or autoimmune processes and have been associated with several diseases, including cancer, cardiovascular diseases, diabetes mellitus, and rheumatic and neurological disorders. Recently, miRNAs have been found in many different biological fluids, and this observation suggests the potential of miRNAs as new candidate biomarkers for diagnosis, classification, prognosis, and responsiveness in the treatment of different pathological conditions. Furthermore, the development of therapeutic strategies that involve either restoring or repressing miRNAs expression and activity has attracted much attention. Significant progress has been made in the systems for delivery of miRNAs, even if substantial improvements in this area are still necessary. Although they have been extensively studied, a number of interesting questions</p>

regarding the physiological and pathological role of miRNAs have been postulated, and their potential diagnostic and therapeutic role remain yet unanswered. Reactive oxygen species (ROS) are free radical-containing oxygen molecules derived from cellular oxidative metabolism, including enzyme activities and mitochondrial respiration, and play a pivotal role in many cellular functions. Whereas ROS are essential for normal cellular processes, their aberrant production, or failure of the capacity to scavenge excessive ROS, induces an altered redox status with excessive synthesis of free radicals, leading to an imbalance in the redox environment of the cell. The loss of normal ROS levels causes lipid, protein, and DNA damage, which contribute to the development of various pathologies including neurological disorders, rheumatic and cardiovascular diseases, diabetes, and cancer. Increasing evidence highlights that there is crosstalk between miRNAs and components of redox signaling, even if this complex and the characteristics of mutual interaction need to be amply elucidated. Hence, both miRNAs and oxidative stress are involved in the multifactorial development and progression of acute and chronic diseases by influencing numerous signaling and metabolic pathways. The Special Issue entitled "Crosstalk between MicroRNA and Oxidative Stress in Physiology and Pathology" of the International Journal of Molecular Sciences includes original articles and reviews that provide new insights into the interaction between miRNAs and oxidative stress under normal and pathological conditions which can assist in the development of new therapeutic strategies. Finally, I would like to thank all the authors for their excellent contribution. I hope this Special Issue will provide readers with updated knowledge about the role of miRNAs and oxidative stress in physiology and pathology.

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3. Record Nr.	UNINA9910557520303321
Autore	Singh Amit Kumar
Titolo	Design Space Exploration and Resource Management of Multi/Many-Core Systems
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (218 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The increasing demand of processing a higher number of applications and related data on computing platforms has resulted in reliance on multi-/many-core chips as they facilitate parallel processing. However, there is a desire for these platforms to be energy-efficient and reliable, and they need to perform secure computations for the interest of the whole community. This book provides perspectives on the aforementioned aspects from leading researchers in terms of state-of-the-art contributions and upcoming trends.