1. Record Nr. UNINA9910971499903321

Autore	Bok Derek Curtis
Titolo	Beyond the ivory tower : social responsibilities of the modern university / / Derek Bok
Pubbl/distr/stampa	Cambridge, MA, : Harvard University Press, 1982
ISBN	9780674028463 0674028465
Edizione	[1st ed.]
Descrizione fisica	1 online resource (318 pages)
Disciplina	378.103
Soggetti	Education, Higher - Aims and objectives - United States Academic freedom - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Acknowledgments -- Introduction -- Part I. Basic Academic Values -- 1. Academic Freedom -- 2. Institutional Autonomy and the Demands of the State -- 3. The Purposes of the University and Its Responsibilities to Society -- Part II. Academic Responses to Social Problems -- 4. Access to the University and the Problem of Racial Inequality -- 5. The Moral Development of Students -- 6. Academic Science and the Quest for Technological Innovation -- 7. The Social Responsibilities of Research -- 8. Technical Assistance Abroad -- Part III. Addressing Social Problems by Nonacademic Means -- 9. The University and the Local Community -- 10. Taking Political Positions -- 11. Accepting Gifts -- 12. Boycotts and Other Efforts to Avoid Outside Relationships -- Conclusion -- Index
Sommario/riassunto	Derek Bok examines the complex ethical and social issues facing modern universities today, and suggests approaches that will allow the academic institution both to serve society and to continue its primary mission of teaching and research.

2. Record Nr. UNINA9910261143603321

Autore	Sheng Qin
Titolo	Actinobacteria in Special and Extreme Habitats: Diversity; Function Roles and Environmental Adaptations
Pubbl/distr/stampa	Frontiers Media SA, 2016
Descrizione fisica	1 online resource (229 p.)
Collana	Frontiers Research Topics
Soggetti	Microbiology (non-medical)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Actinobacteria are highly diverse prokaryotes that are ubiquitous in soil, freshwater and marine ecosystems. Although various studies have focused on the ecology of this phylum, data are still scant on the diversity, abundance and ecology of actinobacteria endemic to special and extreme environments, such as gut, plant, alkaline saline soil, deep sea sediments, hot springs and other habitats. Actinobacteria are well-known producers of a vast array of secondary metabolites, many of which have useful applications in medicine and agriculture. Furthermore, actinobacteria also have diverse functions in different environments apart from antibiotic production. For example, actinobacteria are reported to contribute to the break-down and recycling of organic compounds. They play a significant role in fixation of nitrogen, improvement plant growth, biodegradation, bioremediation and environmental protection. Therefore, understanding the actinobacterial diversity and distribution in such special environments is important in deciphering the ecological roles of these microorganisms and for biotechnological bioprospecting. Recent advances in cultivation, DNA sequencing technologies and -omics (metagenomics, metaproteomics etc) methods have greatly contributed to the rapid advancement of our understanding of microbial diversity, function and they interactions with environment. Furthermore, comparative genomic studies can provide overall information about actinobacterial speciation, evolution, metabolism and environment

adaptation mechanisms. This research topic comprising reviews and original articles highlights the recent advances regarding the unexpectedly diverse/rare group of actinobacteria with special selective isolation methods or culture-independent methods, as well as their biological activities, ecophysiologica function and mechanisms from diverse special and extreme environments.