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Titolo	The First Outstanding 50 Years of "Università Politecnica delle Marche" : Research Achievements in Life Sciences // edited by Sauro Longhi, Andrea Monteriù, Alessandro Freddi, Lucia Aquilanti, Maria Gabriella Ceravolo, Oliana Carnevali, Mario Giordano, Gianluca Moroncini
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Descrizione fisica	1 online resource (xv, 645 pages)
Disciplina	507.1
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Nota di contenuto	Life sciences -- Food science -- Environmental sciences -- Biomedicine.
Sommario/riassunto	The book describes the significant multidisciplinary research findings at the Università Politecnica delle Marche and the expected future advances. It addresses some of the most dramatic challenges posed by today's fast-growing, global society and the changes it has caused. It also discusses solutions to improve the wellbeing of human beings. The book covers the main research achievements in the various disciplines of the life sciences, and includes chapters that highlight mechanisms relevant to all aspects of human diseases, the molecular, cellular, and functional basis of therapy, and its translation into the management of people's health needs. It also describes research on traditional and innovative foods to enhance quality, safety and functionality, and to develop bioactive/nutraceutical compounds. Further chapters address conservation and management of various

environments, from the forests to the oceans, describing the studies on countermeasures against climate changes and terrestrial/aquatic pollutants, and on terrestrial/marine biodiversity, ecosystems and landscapes, erosion of genetic biodiversity, innovative aquaculture feed, sustainable crop production and management of forests. Lastly, the book reports the findings of research work on different classes of biomolecules, and on the molecular basis of antibiotic resistances and their diffusion.
