

1. Record Nr.	UNINA9910137220703321
Autore	Wolfgang Schmidt
Titolo	Root systems biology // topic editor Wolfgang Schmidt
Pubbl/distr/stampa	Frontiers Media SA, 2014 [Lausanne, Switzerland] : , : Frontiers Media SA, , 2014 ©2014
ISBN	9782889192755
Descrizione fisica	1 online resource (130 pages) : illustrations; digital file(s)
Collana	Frontiers Research Topics, , 1664-8714
Soggetti	Systems biology Biotechnology Botany
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Published in: Frontiers in Plant Science" -- front cover.
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	The understanding of biological complexity has been greatly facilitated by cross-disciplinary, holistic approaches that allow insights into the function and regulation of biological processes that cannot be captured by dissecting them into their individual components. In addition, the development of novel tools has dramatically increased our ability to interrogate information at the nucleic acid, protein and metabolite level. The integration and interpretation of disparate data sets, however, still remain a major challenge in systems biology. Roots provide an excellent model for studying physiological, developmental, and metabolic processes. The availability of genetic resources, along with sequenced genomes has allowed important discoveries in root biochemistry, development and function. Roots are transparent, allowing optical investigation of gene activity in individual cells and experimental manipulation. In addition, the predictable fate of cells emerging from the root meristem and the continuous development of roots throughout the life of the plant, which permits simultaneous observation of different developmental stages, provide ideal premises for the analysis of growth and differentiation. Moreover, a genetically fixed cellular organization allows for studying the utilization of

positional information and other non-cell-autonomous phenomena, which are of utmost importance in plant development. Although their ontogeny is largely invariant under standardized experimental conditions, roots possess an extraordinary capacity to respond to a plethora of environmental signals, resulting in distinct phenotypic readouts. This high phenotypic plasticity allows research into acclimative and adaptive strategies, the understanding of which is crucial for germplasm enhancement and crop improvement. With the aim of providing a current snapshot on the function and development of roots at the systems level, this Research Topic collated original research articles, methods articles, reviews, mini reviews and perspective, opinion and hypotheses articles that communicate breakthroughs in root biology, as well as recent advances in research technologies and data analysis.

---

2. Record Nr.	UNINA9910689607703321
Titolo	Bus rapid transit and other bus service innovations : hearing before the Committee on Banking, Housing, and Urban Affairs, United States Senate, One Hundred Eighth Congress, first session, on the reauthorization of the Transportation Equity Act of the 21st Century, June 24, 2003
Descrizione fisica	1 online resource (iii, 88 p.) : ill
Disciplina	388.4/1322
Soggetti	Buses - Technological innovations - United States Bus lanes - United States Local transit - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910139952203321
Autore	Beaufils Marcel
Titolo	Villa-Lobos: Musicien et Poète du Brésil
Pubbl/distr/stampa	Éditions de l'IHEAL, 1988 [Place of publication not identified], : Unknown Publisher, 1988
ISBN	2-37154-031-5
Descrizione fisica	1 online resource (200 p.)
Disciplina	780/.92 B
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	<p>Depuis le dix-huitième siècle, les philosophes français ont généralement cessé de disputer de musique, et Marcel Beaufils, tout près de nous, devait occuper une position unique, partagée avec Vladimir Jankélévitch. Philosophe, il le fut, mais plus encore poète, esthéticien, musicologue, en toutes choses amoureux émerveillé de son sujet. Il entretenait des rapports très cordiaux avec Villa-Lobos qu'il avait rencontré dans les années vingt. Arrivant à Rio en 1953, Marcel Beaufils fit preuve de sa perspicacité coutumière pour se mettre à observer, à l'écoute de la terre qui avait si fiévreusement inspiré le compositeur. En ethnomusicologue, il présentait quelque parenté avec Claude Lévi-Strauss, mais avec un emballement romantique qui donne tant d'attrait au ruissellement d'impressions qu'il décrit, européen soudainement confronté aux dimensions, à l'effervescence d'un pays neuf à ses yeux. Sa démarche reste précieuse à plus d'un titre. Pour la première fois en France, un ouvrage contient de précieuses notations sur le folklore brésilien, lié à l'histoire, aux traditions des peuples en présence, tandis que les analyses d'œuvres ne sont plus circonscrites aux seules limites techniques, mais aussi sensibles, traversées de notations poétiques, de visions fulgurantes suggérées par les détours capricieux d'un discours musical au contraste permanent. Inimitables, la phrase, le style de Marcel Beaufils participent à un immense brassage</p>

d'impressions, déjà sonorités en elles-mêmes, donnant irrésistiblement envie de connaître les œuvres évoquées. Heitor Villa-Lobos était un enchanteur, un montreur de merveilles que Marcel Beaufils tente de nous faire admirer d'un peu plus près.

---