

1. Record Nr.	UNINA9910557359703321
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Titolo	Health Effects and Exposure Assessment to Bioaerosols in Indoor and Outdoor Environments
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (86 p.)
Soggetti	Humanities Social interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Air pollution, due to natural and anthropogenic sources, incurs enormous environmental costs. The issue of healthy living spaces and good air quality is a global concern, because each individual inhales 15,000 L of air every 24 h. Thus, contemporary monitoring and reducing exposure to air pollutants presents a particular challenge. One of the crucial indicators of indoor and outdoor air quality is bioaerosols. They play an instrumental role as risk factors when it comes to adverse health outcome. These indicators, also known as primary biological airborne particles (PBAPs), have been linked to various health effects such as infectious diseases, toxic effects, allergies, and even cancer. PBAPs include all particles with a biological source in suspension in the air (bacteria, fungi, viruses, and pollen), as well as biomolecules (toxins, and debris from membranes). To foster our current scientific knowledge on bioaerosols, research related to the characteristics of biological aerosols in indoor and outdoor environments, the methods used to improve air quality, as well as the health effects of and exposure assessments to bioaerosols, have been collected in this book.</p>

2. Record Nr.	UNINA9910136552703321
Titolo	Advances in 3D Geoinformation // edited by Alias Abdul-Rahman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-25691-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VII, 512 p. 266 illus., 204 illus. in color.)
Collana	Lecture Notes in Geoinformation and Cartography, , 1863-2246
Disciplina	910.285
Soggetti	Geographic information systems Geographical Information Systems/Cartography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Realistic benchmarks for point cloud data management systems -- Does a finer level of detail of a 3D city model bring an improvement for estimating shadows? -- Interactive and view-dependent see-through lenses for massive 3D point clouds -- Representative for CityGML instance models in BaseX -- A 3D LADM prototype implementation in INTERLIS -- Web-based tool for the sustainable refurbishment in historic districts based on 3D city model -- Comparison of 2D and 3D parameter-based models in urban fine dust distribution modelling -- Investigating semantic functionality of 3D geometry for land administration -- 3D complete traffic noise analysis based on CityGML -- Automatic semantic and geometric enrichment of CityGML building models using HoG-based template matching -- Stochastic buildings generation to assist in the design of right to build plans -- 3D marine administration system based on LADM -- A data model for the interactive construction and correction of 3D building geometry based on planar half-spaces -- The potential of 3D Dual Half-Edge (DHE) data structure for integrated 2D-space and scale modelling: a review -- Towards integrating BIM and GIS – an end-to-end example from point cloud to analysis.
Sommario/riassunto	The book presents a collection of accepted papers from the 3DGeoinfo 2015 international conference held in Kuala Lumpur, Malaysia from October 28 – 30, 2015. All papers underwent double-blind review by experts from around the globe. The conference brought together

pioneering international researchers and practitioners to facilitate the dialogue on emerging topics in the field of 3D geo-information. The focus areas include: - Data Collection and Modeling: advanced approaches for 3D data collection, reconstruction and methods for representation - Data Management: topological, geometrical and network models for maintenance of 3D geoinformation - Data Analysis and Visualization: frameworks for representing 3D spatial relationships, 3D spatial analysis and algorithms for navigation, interpolation, advanced VR, AR and MR visualisation, as well as 3D visualization on mobile devices - 3D Applications: city models, Cadastre, LBS, etc.
