1. Record Nr. UNINA9910136800103321

Titolo	Bridging the gap before and after birth : methods and technologies to explore the functional neural development in humans / / edited by Marika Berchicci and Silvia Comani
Pubbl/distr/stampa	[Lausanne, Switzerland] : , : Frontiers Media SA, , [2015] ©2015
Descrizione fisica	1 online resource (114 pages) : illustrations; digital, PDF file(s)
Collana	Frontiers Journal series Frontiers Research Topics, , 1664-8714
Soggetti	Fetus - Development Newborn infants - Development Neurosciences - Research Brain - Imaging Brain - embryology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Published in: Frontiers in molecular neuroscience" --front cover.
Sommario/riassunto	Early human development from late gestation to the neonatal period is a critical time in the individual’s life span. Medical issues that compromise the brain functions during late gestation and the first months of life could lead to different developmental problems with consequent lifelong burdens for the growing individuals and their families, and a major socio-economic impact for the health care system and the whole of society. Any potential alleviation of perinatal adversities holds promise of an improved quality of life for the individual, and a major benefit for the society at large. It remains a concerted worldwide effort to improve our understanding on effective monitoring systems and clinical diagnostic procedures to reduce fetal impairment and improve healthcare in the neonatal and infant period. The focus of this Research Topic will be on the most recent developments and findings in the field of non-invasive functional brain monitoring in order to: 1) increase our knowledge on novel diagnostic

	tools and procedures for the surveillance of fetuses and newborn babies, 2) help us to perform high quality functional assessment of the developing human brain during pregnancy and after birth, 3) understand and diagnose pathological developments with a potentially high clinical and societal impact, 4) understand how to improve perinatal and infant care. Potential topics include, but are not restricted to: 1) non-invasive electrophysiological monitoring technologies for brain function in the fetus, neonate and infant, such as electroencephalography (EEG), magnetoencephalography (MEG), functional magnetic resonance imaging (fMRI) and near infra-red spectroscopy (NIRS), 2) novel or consolidated analytical methods and models for the quantification and interpretation of the functional signals recorded from the developing brain, 3) typical and atypical brain development during pregnancy and the first years of life, 4) personalized clinical diagnostic procedures for perinatal and paediatric surveillance.

2. Record Nr. UNINA9910438248303321

Titolo	Product-oriented environmental management systems (POEMS) : improving sustainability and competitiveness in the agri-food chain with innovative environmental management tools / / Roberta Salomone ... [et al.], editors
Pubbl/distr/stampa	Dordrecht [Germany] ; ; New York, : Springer, 2013
ISBN	94-007-6116-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (336 p.)
Altri autori (Persone)	SalomoneRoberta
Disciplina	338.927
Soggetti	Food supply Agricultural industries Food industry and trade Sustainable agriculture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.

Nota di contenuto	pt. 1. Background and concepts -- pt. 2. Integrated management systems (ims) -- pt. 3. Simplified life cycle assessment (s-LCA) -- pt. 4. Environmental labels and declarations -- pt. 5. Product-oriented environmental management systems (POEMS).
Sommario/riassunto	Representing the coordinated work of a research group from four different Italian University departments which conducted the Eco-Management for Food (EMAF) Project, this book offers a systematic approach for managing and improving the environmental aspects of agri-food processes and products using Product-Oriented Environmental Management Systems (POEMS). The European Commission's EIPRO study estimates that food alone is responsible for 17% of overall emissions of greenhouse gases, and uses 28% of natural resources. Moreover, food wastage in Europe is estimated at 90 million tonnes per year, which translates to 180 kg per person annually. The 2011 European Road Map for Resource Efficiency sets ambitious targets for agriculture by 2020: 50% reduction of waste and wastage; conservation of natural capital, biodiversity and ecosystem services; reduction of land use and improvement of soil quality; independence from fossil fuels. The distinctive characteristic of the proposed POEMS model is its modular structure: it is composed of a collection of management tools that can be applied, individually (Integrated Management System, Life Cycle Assessment, product environmental labeling guidelines) or as combination of two or more elements, based on the specific requirements and objectives an organization aims to reach. The contents include the analysis of the individual environmental management tools of which the POEMS model is made up, with a description of their methodological structure and the main results of their implementation in different pilot agri-food companies, in order to verify their effective functioning and to highlight the strong and weak points of the POEMS model and of its individual fundamental components. The book is designed to help support sound sustainability decision-making, informed by scientifically-sound quantitative information.