

dynamics of allochthonous organic matter in a tropical ... - dynamics of allochthonous organic matter in a tropical brazilian headstream ... al., 2000), and the cerrado organic matter dynamics (i.e., input, retention, process, and transport) is unknown. however, the transport of ... dynamics of allochthonous organic matter in a tropical brazilian headstream **a mixing model analysis of stream solute dynamics and the ...** - the organic content was determined as ash free dry mass (apha, 1998) and converted to units of organic carbon assuming that organic matter is 50% carbon. hydrological exchange we described the hydrodynamics of the wcc stream-bed from hydrometric data and modelling the dynamics of a conservative solute following its injection. **organic matter turnover in soil physical fractions ...** - organic matter turnover in soil physical fractions following woody plant invasion of grassland: evidence from natural ^{13}C and ^{15}N j.d. liaoa, ... 2000). soil organic matter dynamics and storage are affected by the physical form of the organic materials, the chemistry of the inputs, and the ... microbial processing. other researchers have also ... **organic matter distribution and dynamics in marine ...** - organic matter distribution and dynamics in marine ecosystems: field, ... with subsequent bacterial processing, or that these variables would be driven by the same factors, including the advance ... **building organic matter for healthy soils: an overview** - expanded understanding of soil dynamics, SOM, and soil health has both validated and refined the soil health ... organic matter and soil life play central roles in soil health and fertility. in natural plant communities, the ... in both natural and agricultural ecosystems, the continual processing of organic residues by the soil food web ... **dynamics of organic and inorganic carbon across contiguous ...** - dynamics of organic and inorganic carbon across contiguous mangrove and seagrass systems (gazi bay, kenya) ... water column may receive high inputs of organic matter, either directly as leaf and wood litter or as dissolved organic ... processing of carbon between such adjacent systems. we **dissolved organic matter in stream ecosystems: forms ...** - dissolved organic matter in stream ecosystems 245 stream and river networks. with this background as a foundation, we discuss the impact of the anthropocene on DOM sources and dynamics, including changes in land cover, land use, and global climate. lastly, we identify what we consider to be future challenges for extending knowledge of DOM in **environmental impact of food production and consumption** - the dynamics of soil organic matter, soil carbon sequestration, modifying soil physical ... for example, mulching. both primary food production and food processing are critically dependent upon reliable water supply and adequate water quality. both types ... environmental impact of food production and **microbial community dynamics in manure composts based on ...** - microbial community dynamics in manure composts based on 16S and 18S rDNA t-RFLP ... abstract compost processing is assumed to be related to the microbial communities present. however, methods that will evaluate ... (mature) had lower water, organic matter and C contents and higher C and OM loss compared with the day 0 (initial) and day 24 ... **organic compounds in sea water - soest** - organic compounds in sea water operational definitions! 2 POM ... DOC dynamics and size fractionation downward DOC flux " a significant fraction of OC flux seafloor mixed layer " high DOC subsurface layer " ... organic matter processing . 21 a few examples of biomarkers **a test of top-down and bottom-up control in a detritus ...** - food-web dynamics and organic-matter processing. in this study, we investigated both top-down and . august 2001 control of detritus and detritivores 2281 bottom-up control of detritus and detritivores in a stream food web. we studied effects of macroconsumers (sensu pringle and hamazaki 1997) that have been ... **the role of aquatic fungi in transformations of organic ...** - microbial decomposers associated with organic matter are probably to respond to these environmental stressors, which in turn may significantly alter organic matter processing and food web dynamics (e.g. cross, wallace & rosemond, 2007; davis et al., 2010; suberkropp et al., 2010). given the important role of aquatic fungi in **river plume processes and dynamics** - river plume processes and dynamics steven lohrenz school for marine science and technology university of massachusetts dartmouth ocb workshop " july 2012. ... examining processing of terrestrial organic matter in aquatic systems (bianchi,

2011) transformation and transport of carbon and **degradation a dissertation submitted to the in partial ...** - a dissertation submitted to the graduate school-new brunswick rutgers, the state university of new jersey ... elemental ratio relationships in population dynamics and organic matter cycling. it was ... less energy would need to be expended on processing the excess nutrients.

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