
Ligninolytic Enzymes Degradation Environmental Pollutants Kulsoom

degradation of pesticides by the ligninolytic enzyme laccase - degradation of pesticides by the ligninolytic enzyme laccase ... degradation of pesticides by the ligninolytic ... ligninolytic enzymes may also be applied in ... **degradation of pahs by ligninolytic enzymes of irpex lacteus** - degradation of pahs by ligninolytic enzymes ... are a class of serious environmental ... degradation process of pahs by ligninolytic fungi has been ... **influence of cadmium and mercury on activities of ...** - to the effect of environmental factors on that degradation. one ... grow and produce ligninolytic enzymes in soil (48). straw was "**degradation of lignin through carbon utilization by the ...** - microbioligninolytic enzymes for environmental management ... ligninolytic enzymes could enhance the ... enzymes involved in degradation of lignin are ... **degradation of three aromatic dyes by white rot fungi and ...** - degradation of three aromatic dyes by white rot fungi and the production of ligninolytic enzymes 115 or two of these enzymes (de jong et al ., 1994; hatakka, **studies on the degradation of glyphosate by ligninolytic ...** - glyphosate by ligninolytic enzymes ... 2jti - swedish institute of agricultural and environmental engineering ... can promote pesticide degradation, are **influence of different inducers on ligninolytic enzyme ...** - and it is extremely recalcitrant to degradation [8]. ligninolytic enzymes are also capable of degrading various environmental pollutants, **open access degradation and detoxification by newly ...** - their enzymes have been used in the degradation of differ- ... to environmental variables and different levels of dyes ... a mixture of ligninolytic enzymes, ... **ligninolytic enzymes activities during biodegradation of ...** - ligninolytic enzymes activities during biodegradation of oil ... environmental problems, ... degradation of lignin in efb at one week intervals. **involvement of lignin-modifying enzymes in the degradation ...** - involvement of lignin-modifying enzymes ... chemicals in soil and water is harmful to the environmental ... involvement of lignin-modifying enzymes in the degradation ... **potential of trametes hirsuta to produce ligninolytic ...** - environmental pollutants ... species due to their ability to produce lignin-modifying enzymes. these enzymes enable degradation of lignin ... ligninolytic enzymes ... **ligninolytic fungus polyporus sp. s133 mediated metabolic ...** - environmental microbiology ligninolytic fungus polyporus sp. s133 mediated metabolic degradation of fluorene zainab mat lazima,b, ... ligninolytic 260, enzymes **lignin degradation, ligninolytic enzymes activities and ...** - lignin degradation, ligninolytic enzymes activities and exopolysaccharide production ... school of agriculture and environmental sciences, ... **open access review article ligninolytic enzymes for ...** - universal journal of environmental research and technology ... lignin degradation and with possible application in ... ligninolytic enzymes. , ... **identification ligninolytic enzymes secreted by ...** - appliedandenvironmental microbiology, ... ligninolytic enzymes secreted by ... the specific enzymes associated with lignin degradation in solid lignocellulosic ... **industrial and environmental applications of white-rot fungi** - specific ligninolytic enzymes during their secondary metabolism usually triggered by ... biobleaching and the degradation of recalcitrant environmental pollutants. **open access review article applications of ligninolytic ...** - universal journal of environmental research and technology ... in the degradation of lignin for the production of ... ligninolytic enzymes of white-rot fungus trametes **mechanisms for polycyclic aromatic hydrocarbon degradation ...** - title: mechanisms for polycyclic aromatic hydrocarbon degradation by ligninolytic fungi author: hammel subject: environmental health perspectives, vol. 103, suppl. 5 ... **ligninolytic enzyme system in ecological adaptation of ...** - balaes et al.: ligninolytic enzyme system in ecological adaptation of lignicolous macrofungi - 207 - applied ecology and environmental research 15(1): 207-224. **oxidative degradation of benzo[a]pyrene by the ...** - oxidative degradation of benzo[a]pyrene by the ligninolytic fungi ... interdisciplinary studies on environmental chemistry — environmental research in asia, **optimization of ligninolytic enzyme activity and ...** - optimization of ligninolytic enzyme ... biochemical and environmental ... involved in the rare process of selective lignin degradation, where fungal enzymes ... **5 biodegradation of lignin - wiley-vch** - a set of extracellular ligninolytic enzymes. lignin degradation by white-rot fungi has beenintensivelystudiedduringthelastthirty **role of ligninolytic enzymes of white rot fungi (pleurotus ...** - role of ligninolytic enzymes of white rot ... environmental impact of dyestuffs, ... ligninolytic enzyme and dye degradation activity was tested against azo tex- **lignin degradation: a microbial approach - sijbs** - lignin degradation: a microbial approach ... ligninolytic enzymes lignocellulose ... the environmental factors are re- **lignin-degrading enzymes - febsinlibrary.wiley** - ural biocatalysts involved in lignin degradation/modification and significant ... tion of ligninolytic enzymes. ... environmental-friendly ... **engineering the ligninolytic enzyme consortium - cell** - ligninolytic armory the degradation of lignin is fundamental for carbon recy- ... ligninolytic enzymes ... and environmental conditions. **chapter 10 ligninolytic enzymes for water depollution ...** - ligninolytic enzymes for water depollution, coal breakdown, and paper industry ... environmental chemistry for a ... 10.3 application of ligninolytic enzymes ... **production of ligninolytic enzymes by cultures of white ...** - wood-degrading white rot fungi ... thesizing ligninolytic enzymes that ... thesize many isoforms of these enzymes, thus ensuring the degradation of ... **journal of environmental management - eco.korea** - ligninolytic enzymes to catalyze and ... they induce

the secretion of catabolic enzymes and thus promote the degradation of ... journal of environmental ... **degradation of xenobiotic compounds by lignin-degrading ...** - degradation of xenobiotic compounds by lignin-degrading white ... degradation of a number of environmental pollutants ... lignin degradation, ligninolytic enzymes, ... **evaluation of white-rot fungi for treatment of organic ...** - without environmental impact ryuichiro kondo dr ... environmental impact, ligninolytic enzymes, degradation, dioxin ... activities and the natural environmental is ... **an evaluation of organopollutant biodegradation by some ...** - an evaluation of organopollutant biodegradation by some selected ... ligninolytic enzymes laccase and ... high dye degradation activity, high ligninolytic ... **characterisation of manganese peroxidase and laccase ...** - bacteria capable for degradation of sucrose glutamic acid-maillard reaction products at different nutritional and environmental ... of ligninolytic enzymes, ... **optimization of physical and nutritional factors for ...** - biotechnological and environmental applications. ... laccase that together cause the lignin degradation ... as the ligninolytic enzymes are extracellular enzymes, ... **chapter 6 biodegradation of chlorinated compounds by white ...** - chapter 6 biodegradation of chlorinated compounds by ... degradation of persistent environmental ... pollutant degradation on the ligninolytic enzymes is to ... **decolorization, degradation, and toxicological analysis of ...** - degradation of azo dyes, ... environmental and health concerns as a result of ... ligninolytic enzymes. the ability to biodegrade **applications of ligninolytic enzymes to pollutants ...** - applications of ligninolytic enzymes to pollutants, wastewater, ... environmental pollution by synthetic ... application of ligninolytic enzymes complexes of white-rot **industrial and biotechnological applications of ...** - industrial and biotechnological applications of ligninolytic ... enzymes responsible for lignin degradation ... industrial and biotechnological applications of ... **ligninolytic fungus polyporus sp. s133 mediated metabolic ...** - environmental microbiology ligninolytic ... the degradation of various organic environmental pollut- ... ligninolytic enzymes are responsible for the **degradation of sodium metamizole by enzymatic extracts ...** - degradation of sodium metamizole by enzymatic extracts from some ... efficient ability to degrade environmental ... ligninolytic enzymes, enzymatic activity ... **potential of the white-rot fungus pleurotus pulmonarius ...** - 2department of environmental engineering, ... ligninolytic enzymes during the degradation of pahs such as pyrene (hadibarata and teh, 2014). after incu- **research article open access isolation and ...** - challenges on the screening of ligninolytic microorganisms for specific ligninolytic enzymes. ... the environmental impact ... responsible for lignin degradation, ... **biodegradation of lindane by pleurotus ostreatus via ...** - biodegradation of lindane by pleurotus ostreatus via central composite design ... biodegradation; ligninolytic enzymes; ... degradation. the secretion of ligninolytic **screening for ligninolytic fungi applicable to the ...** - degradation by ligninolytic enzymes. ... environmental conditions. in addition, screening established culture-collection strains and new isolates **pesticides degradation by enzymes from white-rot fungi m ...** - pesticides degradation by enzymes from ... the use of enzymes from fungi and bacteria for environmental purposes ... ligninolytic activity and pcp degradation ... **ligninolytic peroxidase gene expression by pleurotus ...** - ligninolytic peroxidase gene expression by pleurotus ostreatus: differential regulation in lignocellulose ... ligninolytic enzymes ... degradation, e.g. no ... **title degradation and synthesis of lignin ...** - review article degradation and synthesis of lignin and its related compounds by fungal ligninolytic enzymes*I shinichi yoshida*2,*3 (received may 31, 1997) **original article isolation of a rice endophytic bacterium ...** - with ligninolytic activity and characterization of its rice straw degradation ability ... due to the immense environmental adaptability **isolation and characterization of lysinibacillus ...** - isolation and characterization of lysinibacillus sphaericus br2308 from ... degradation percentage of ... friendlier methods using ligninolytic enzymes ... **research on the potential of selected ligninolytic fungi ...** - research on the potential of selected ligninolytic fungi ... the degradation of ... it can be used as a surrogate toxicant for the detection of ligninolytic enzymes.

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