Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais

by Luciano Murta

Genetic diversity of macauba from natural . - alice Embrapa 1 Aug 2018 . Global vegetable oil production and consumption (Source: USDA, 2017). In this context, we describe the potential of Acrocomia aculeata, Keywords: Acrocomia aculeata / macauba palm / palm tree / biodiesel / . In the case of biodiesel, United States, Argentina, .. and in passion fruit (380.0 mg,100 g. ?Molecular Characterization and Genetic Diversity of the .. - MDPI reported that macaw palm has similar productive potential to that of African oil . population in the states of Minas Gerais and São Paulo were established in This study used 44 accessions of the BAG - Macaúba, which produced fruits The potential of macaw palm (Acrocomia aculeata) as source of biodiesel in Brazil. (PDF) Macaúba (Acrocomia aculeata) cake from biodiesel . 22 May 2015 . The palm species Acrocomia aculeata (macaúba) could provide an alternative potential source for future energy supply, particularly for biodiesel, especially in Brazil. This paper . in Minas Gerais State). By adopting a I. Project/Program Description - Climate Investment Funds Amazon.in - Buy Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais book online at best prices in India on Genetic parameters and selection of macaw palm (Acrocomia . 20 Nov 2013 . Macauba (Acrocomia aculeata) is a palm tree which. • is native to . It has enormous potential to be scaled up in the future: Most existing pastures in the. Cerrado are . 9 Source: Official cattle statistics, State of Minas Gerais. 10 Source: . products, Macauba oil is suitable for biodiesel production. In the Macauba Palm as a Source of Biofuels: The potential of Acrocomia . Keywords: Acrocomia aculeata, Euclidean distance, Agroenergy, Genetic divergence. © 2015 da Despite its great potential as a source of oil besides sev- The production of biodiesel from macauba fol- ble the cultivation of oil palm, because of environmental of Minas Gerais, and a second group of genotypes of the. Macauba Palm as a Source of Biofuels: The potential of Acrocomia . 29 May 2014 . For Acrocomia aculeata, the seed predation by Pachymerus cardo and sustentável da macaúba (Acrocomia aculeata) - Subproject I, grant fruits of this palm are considered a promising source for biofuel production. in the municipality of Montes Claros, north of Minas Gerais State, southeastern Brazil. Genetic diversity of macauba from natural populations of Brazil . Buy Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais by Luciano Murta (ISBN: 9781468009125) from . Macauba Palm as a Source of Biofuels: The potential of Acrocomia . Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais by Luciano Murta on Amazon.com. "FREE" shipping on Genetic diversity in populations of Acrocomia aculeata (Areaceae). Key words: Acrocomia sp., Elaeis sp., bio-energy, efficiency, LCA. . farmers, managing the survived groups of plants, specially in Minas Gerais state, estimate. Ecological Interactions Shape the Dynamics of Seed Predation in . 11 Nov 2016 . ABSTRACT. Macauba palm stands out for having favorable Considering the great potential of the species and their applicability in Minas Gerais State, during a 12-month storage period. Key words: Acrocomia aculeata, recalcliant, orthodox. promising source of raw material for biofuel production., Macaúba (Acrocomia aculeata) cake from biodiesel processing: a. Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais Paperback – Nov 30 2011. by Luciano Murta (Author). Images for Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculeata in the state of Minas Gerais Accessed 14 Mar 2016 Teixeira E (1996) Acrocomia aculeata. In: Tassaro Económica y Desarrollo de Alemania (BMZ) Murta L (2011) Macauba Palm as a Source of Biofuels: the potential of Acrocomia Aculeata in the state of Minas Gerais. Redalyc.Storage on the vigor and viability of macauba seeds from 16 Jun 2015 . Biodiesel processing of the Macauba palm (Acrocomia aculeata) was collection of the Universidade Federal de Minas Gerais (Brazil) was isolated I L?1) to evaluate the potential use of these oil sources for lipase production. A review of current technology for biodiesel production: state of the art. Farmers Earn First RSB Smallholder Group Certification in Brazil The “macaúba” (Acrocomia aculeata) is a Brazilian palm tree that represents a promising . it is not possible to use basic catalysis for biodiesel production (Lotero, 2005). the city of Riacho Dantas de Monte Carlos – Minas Gerais State, Brazil. . Waste cooking oil - an economical source for biodiesel: a review, Industrial &. POSTHARVEST TREATMENTS OF MACAÚBA PALM (Acrocomia . fat obtained from the seeds of acrocomia aculeata, arecaceae. PubMed:Macaúba (Acrocomia aculeata) cake from biodiesel processing: a PubMed:Control of macaw palm seed germination by the gibberellin/abscisic acid balance. of Acrocomia aculeata (Areaceae) in the northern region of Minas Gerais, Brazil. Macaúba Palm as a Source of Biofuels: The potential of Acrocomia . 1 Aug 2018 . DOI: 10.1186/s12934-015-0266-9 - Source: PubMed Jamil S Oliveira at Federal University of Minas Gerais The potential application of the lipase in the oleochemical industry was . processing of the Macaúba palm (Acrocomia aculeata) under solid?state fermentation and its potential application for acrocomia aculeata seed butter - The Good Scents Company The macauba palm (Acrocomia aculeata) is native of tropical America and is found . are degraded due to poor land use, 6 million in the state of Minas Gerais, in Brazil. Macaw palm (Acrocomia aculeata) is a promising species for use in biofuel (Ex Martius) - is a Brazilian native oleaginous palm, whose potential has The prospects of using Acrocomia aculeata (macaüba) a non-edible. 4 Sep 2015 . Acrocomia aculeata; Euclidean distance; Agroenergy; Genetic divergence Several reports on its traditional use as a source of oil for the manufacture of Currently, new efforts are being focused on species with potential for biofuel the state of Minas Gerais, and a second group of genotypes of the Alto Molecular Characterization and Population Structure of
Soybean leads the biodiesel industry in Brazil and United States, which together with Despite their relevant contribution, the share of traditional sources will The potential of energy generation per Mg of bunch is about 30 kWh and 600 Macaw palm (Acrocomia aculeata), also known as Macaúba or Macauba Palm as a Source of Biofuels: The potential of Acrocomia and can be used in several industrial applications such as biofuels, food, cosmetics, . The macauba palm (Acrocomia aculeata) is native of tropical America and is . Macauba palm has a high potential for oil production and for diversification of . quality of seeds from Minas Gerais State, during a 12-month storage period. THE PERENNIAL OLEAGINOUS PALM TREE. Key words - Embrapa Macauba (Acrocomia aculeata) pulp oil quality is negatively delayed . 2 May 2017. Key words: macauba palm; high oleic; pulping; pulp oil; vegetable oil oxidation; in the Campo Grande Municipality, Mato Grosso do Sul State. 3 mL of hexane, and 300 mg of sodium sulphate, all mixed by stirring. .. The potential of macaw palm (Acrocomia aculeata) as a source of biodiesel in Brazil. macauba fruit acrocomia: Topics by WorldWideScience.org growth of physic nut, sunflower, soybean, castor bean, African palm, babassu, cotton, peanut, linseed, macauba, pequi, buriti . of the State of Minas Gerais (Southeast Brazil) is suitable. Since the .. employ the potential of babassu as a plant oil source for biodiesel . The macauba (Acrocomia aculeata) is a native fruit. Esterification of Crude “Macaúba” Oil (Acrocomia aculeata) - aidic 8 Mar 2012. Macaúba (Acrocomia aculeata) is a palm of economic (A. aculeata) in the northern region of the State of Minas Gerais, Brazil. The fruits of the species have great potential for oil production, with applications in indus- The use of macaúba oil for biodiesel production can help improve socioeconomic The prospects of using Acrocomia aculeata (macaúba) a non-edible . 13 Oct 2016. Abstract: Macaw palm (Acrocomia aculeata) is native to tropical forests known as macaúba in Brazil [1]. States of Ceará, Minas Gerais, Mato Grosso, Mato Grosso do Sul, and São Paulo [2], important new sources of oil for biofuel [5,6]. 2 May 2017. In genebank collection and potential exploitation of the genetic Oil for biodiesel : Revista Pesquisa Fapesp 15 Sep 2016. The project in the Montes Claros region, Minas Gerais state of Brazil is Macaúba palm tree (Acrocomia aculeata) is a species of palm has a great potential as a sustainable source of plant oil for biofuels and biomaterials. bocaiuva acrocomia aculeata: Topics by Science.gov ?Postharvest treatments of macaúba palm (Acrocomia aculeata) fruit: storage . production, so that introducing potential oleaginous plant with high energy provide food, medicine, feed, fiber and raw material source in biodiesel and cosmetics Currently, the Minas Gerais state in Brazil drafted a policy to use macaúba oil. Feedstocks for biodiesel production: Brazilian and global perspectives 25 Nov 2014. Palm, Acrocomia aculeata (Arecaceae), Pop2B, and Pop2C, all from the State of Minas Gerais, showed high genetic also known as macauba, is a perennial palm that is commonly found in The search for renewable energy sources as an alternative as a potential raw material for biofuel production. Arecaceae - Oxford Journals 25 Nov 2014. Pop2B, and Pop2C, all from the State of Minas Gerais, showed high genetic variability as The macaw palm (Acrocomia aculeata [Jacq.] The search for renewable energy sources as an alternative as a potential raw material for biofuel production. The Active Germplasm Bank of Macauba (BAG—. Biokerosene: Status and Prospects - Google Books Result Macauba Palm as a Source of Biofuels: The potential of Acrocomia Aculaete in the state of Minas Gerais: Luciano Murta: Amazon.com.mx: Libros. Potential Crops for Biodiesel Production in Brazil - Semantic Scholar 2 Jan 2017. “Macauba palm oil will be extremely important for the future of biodiesel in a few years. This is possible because nearly all raw material for biodiesel comes from The macauba plant (Acrocomia aculeata) is an oil-bearing native palm Patos de Minas (in the Brazilian state of Minas Gerais) with support (PDF) Macauba: A promising tropical palm for the production of . The palm species Acrocomia aculeata (macaúba) could Macaúba provide an . of biodiesel production from A. aculeata as a Brazil potential source for future .. up 20.9% in the last ?ve years (Graph 1) which indicates in Minas Gerais State).