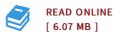




Green synthesis of silver nanoparticles using Cymbopogon citratus

By Pal, Gaurav / Srivashtav, Vishal

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Characterization, Phytochemical analysis and antioxidant property of silver nanoparticles using Cymbopogon citratus | The aim of this study was green synthesis of silver nanoparticles using leaf extract of Cymbopogon citratus. Silver nanoparticles (AgNPs), having a surface plasmon resonance (SPR) band centered at 406 nm, were synthesized by Cymbopogon citratus leaf extract capping as well as reducing agent with AgNO3 during a time dependent process at room temperature. A synthesized silver nanoparticle was characterized for their size and shape using scanning electron microscopy (SEM) and transmission electron microscopy (TEM). The total formation of the AgNPs was observed visually with a color change from pale yellow to brownish-black. Fourier transform infrared spectroscopy (FTIR) and energy dispersive x-ray spectroscopy (EDS/EDX) were conducted to determine the various functional groups and the concentration of metal ions in the nanoparticles. The data analysis showed spherically shaped nanoparticles with a size of 25-30 nm in diameter, as revealed by TEM, thereby complementing the result for SEM. | Format: Paperback | Language/Sprache: english | 68 pp.



Reviews

 $Absolutely\ essential\ read\ book.\ It\ is\ probably\ the\ most\ incredible\ pdf\ i\ have\ got\ read\ through.\ You\ will\ like\ the\ way\ the\ writer\ publish\ this\ pdf.$

-- Griffin Hirthe

Comprehensive guide for ebook fanatics. I have read and i am certain that i am going to planning to read through yet again once again in the future. Your lifestyle period will likely be change once you full looking over this ebook.

-- Jakob Davis

You May Also Like



Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph Free Press. Hardcover. Book Condition: New. 1439143102 SHIPS WITHIN 24 HOURS!! (SAME BUSINESS DAY) GREAT BOOK!!.



Decameron and the Philosophy of Storytelling: Author as Midwife and Pimp (Hardback)

Columbia University Press, United States, 2005. Hardback. Book Condition: New. New. 236 x 155 mm. Language: English . Brand New Book. In this creative and engaging reading, Richard Kuhns explores the ways in which Decameron ssexual themes lead into philosophical inquiry, moral...



Barabbas Goes Free: The Story of the Release of Barabbas Matthew 27:15-26, Mark 15:6-15, Luke 23:13-25, and John 18:20 for Children

Paperback. Book Condition: New.



Serenade for Winds, Op. 44 / B. 77: Study Score

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 240 x 166 mm. Language: English . Brand New Book
***** Print on Demand *****.Dvorak composed this deservedly popular work 1878 shortly after the premiere of his opera The
Cunning Peasant. Scored...



Hussite Overture, Op. 67 / B. 132: Study Score

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book
***** Print on Demand ******.Comissioned by the Committee for the Completion of the National Theatre, Dvorak composed this work
in exactly one...



The Water Goblin, Op. 107 / B. 195: Study Score

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 238 x 170 mm. Language: English. Brand New Book
***** Print on Demand *****. The first of four late tone poems inspired by Bouquet, a collection of ballads by Karel Jaromir Erben...