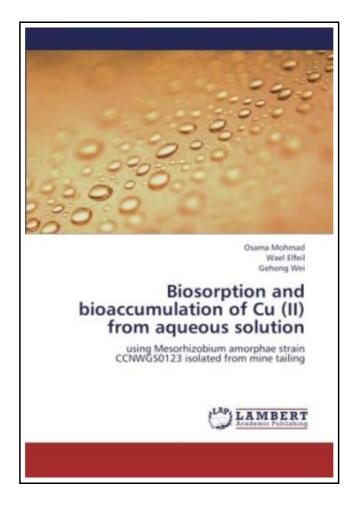
# Biosorption and bioaccumulation of Cu (II) from aqueous solution



Filesize: 4.91 MB

#### Reviews

This written book is excellent. It typically is not going to price a lot of. I found out this book from my dad and i encouraged this book to discover.

(Darrin Abbott)

## BIOSORPTION AND BIOACCUMULATION OF CU (II) FROM AQUEOUS SOLUTION



Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | using Mesorhizobium amorphae strain CCNWGS0123 isolated from mine tailing | Our studies showed that both dead and live cells of M. amorphae CCNWGS0123 are effective absorbents for copper removal from aqueous solution. The removal of copper increased significantly by increasing the pH up to 5.0, agitation speed 150 rpm and temperature 28°C. Equilibrium was reached within 30 min. The absorption isotherms could be well fitted by the Langmuir equation followed by the Freundlich equation. The highest removal of initial copper concentration was achieved at a dosage of 100 mg/L and the highest biosorption capacity was found at an initial concentration of 0.5 g/L Cu (II). Fourier transform-infrared spectroscopy (FT-IR) analysis indicated that many functional groups, such as O-H, N-H, C-H, C=O, -NH, -CN, C-N, C-O, amide (-I, -II, -III), and unsaturated alkenes, alkyls and aromatic groups on the cell surface, were involved in the interaction between CCNWGS0123 and Cu ion. Scanning electron microscope (SEM) results showed deformation, aggregation and cell-surface damage due to the precipitation of copper on the cell surface. Energy Dispersive X-ray Scanning (EDX) showed three distinct peaks at 1.1 keV, 8.1 keV and 8.9 keV, implying that copper ions have been absorbe | Format: Paperback | Language/Sprache: english | 155 gr | 220x150x5 mm | 104 pp.



Read Biosorption and bioaccumulation of Cu (II) from aqueous solution Online Download PDF Biosorption and bioaccumulation of Cu (II) from aqueous solution

#### See Also



Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

Download Book »



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Download Book »



Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Download Book »



Cloverleaf Kids: Kids and adults alike will enjoy these hilarious stories and antics of me,my siblings and our friends growing up in a small town in . over & over and always got a good laugh.

CreateSpace Independent Publishing Platform. PAPERBACK. Book Condition: New. 1482737256 Special order direct from the distributor.

Download Book »



The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574)

Eebo Editions, Proquest, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Download Book »



#### From Kristallnacht to Israel: A Holocaust Survivor s Journey

Dog Ear Publishing, United States, 2009. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. In the 1930s, as evil begins to envelope Europe, Karl Rothstein

Download eBook »



#### Stories from East High: Bonjour, Wildcats v. 12

Parragon Book Service Ltd, 2009. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving

Download eBook »



#### Swimming Lessons: and Other Stories from Firozsha Baag

Vintage. PAPERBACK. Book Condition: New. 067977632X 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with

Download eBook »



### The Lifestyle Business Rockstar!: Quit Your 9 -5, Kick Ass, Work Less, and Live More!

Createspace, United States, 2013. Paperback. Book Condition: New. 213 x 137 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Starting a Small Business-a Lifestyle Business that Supports Your Desired Lifestyle Do You

Download eBook »



Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Download eBook »