



Removal of Lead (II) using Bio-adsorbent

By Tiyaisha Kanjilal

LAP Lambert Academic Publishing Okt 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x4 mm. This item is printed on demand - Print on Demand Neuware - Utilization of biological waste in treatment of industrial effluents is an emerging field of research. In present context of waste management, bio-adsorbent based techniques are well-known as an eco-friendly approach, for cleaning up various industrial effluents. The efficiency of water hyacinth, as low cost bio-adsorbent has been investigated for removal of lead ions from aqueous solution. Equilibrium behavior of this adsorbent was investigated by performing batch adsorption experiments to study the effect of the major parameters such as contact time, initial concentration of metal ion and adsorbent dose, etc. Response surface methodology was applied to predict the optimal condition of lead ion removal. The correlation of the operating variables and the response based on face centered central composite design are fitted to quadratic polynomial equation. The quadratic term of initial metal ion concentration showed significant influence on the extent of removal. This work showed the potential of the water hyacinth as bio-adsorbent for removal of lead ions from paint industry effluent. 60 pp. Englisch.



READ ONLINE
[1.98 MB]

Reviews

An exceptional pdf and the typeface utilized was fascinating to read through. It can be written in straightforward words and phrases instead of confusing. I am just quickly could possibly get a delight of looking at a written ebook.

-- Prof. Arlie Bogan

It is in a single of the best book. This is for those who state there had not been a well worth reading through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dr. Barney Robel Jr.

See Also



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird

Paperback. Book Condition: New. Not Signed; This is a Tinga Tinga tale inspired by traditional stories from Africa. Lion is king of Tinga Tinga but he can't roar! Can his friend Flea help Lion to find his roar and behave more like...



The Mystery on the Great Barrier Reef

Gallopade International. Paperback / softback. Book Condition: new. BRAND NEW, The Mystery on the Great Barrier Reef, Carole Marsh, It's a trip "Down Under" for Christina, 10, Grant, 7, and their mystery-writing grandmother Mimi! Lots of surprises and mysterious activities unfold as...



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has..."
