



Handbook on the Removal of Chromium(VI) from Waste Water

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LAP Lambert Academic Publishing Nov 2014, 2014. Taschenbuch. Book Condition: Neu. 221x146x10 mm. This item is printed on demand - Print on Demand Neuware - This book is review on removal of chromium from waste water or aqueous solution using conventional and non-conventional adsorbents. As we are aware that Chromium has been widely used in various industries like textile, leather, chemical manufacture, metal finishing, paint etc, The effluents from these industries contain chromium in the form of trivalent chromium (Cr^{+3}) and hexavalent chromium (Cr^{+6}). The hexavalent chromium is a priority toxic, mutagenic and carcinogenic chemical, hence it is very much required to remove chromium (VI) from the industrial effluents before allowing it to enter any water system or on to the land. The conventional treatment methods like filtration, chemical precipitation, membrane process, solvent extraction, ion exchange etc are used when chromium is present in large quantities and when recovery of chromium is economically feasible. The adsorption technique using conventional adsorbents and non-conventional adsorbents for the removal of chromium metal is preferred because it is a potential alternative treatment method and an economically viable method, especially when chromium is present in minor quantities. 64 pp. Englisch.



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