



Experimental investigations on the influence of physico-chemical parameters on anaerobic degradation in MBT residual waste

By Nicole Fischer

Cuvillier Verlag Mrz 2011, 2011. Buch. Book Condition: Neu. 211x146x5 mm. Neuware - In this work, MBT residual waste was used for experimental studies to investigate the influence of crucial parameters influencing biochemical processes in anaerobic degradation in residual wastes from MBT. Thermoisture content is one of the most critical parameters influencing biogas production in waste as well as nutrient transport. Batch experiments were carried out to correlate moisture content and biogas production in MBT residual waste. Moreover, quantification and monitoring of heterogeneous moisture distribution in a landfill body is critical for mechanical landfill stability and landfill gas emission control. For quantitatively monitoring in-situ moisture distribution in MBT residual waste, a novel geoelectrical technique was successfully applied and evaluated on laboratory scale. The pH development in leachate from MBT residual wastes and the relating acid buffering intensity was found to be important for facilitating biochemical conversion of solid organic carbon matter to biogas. At unadjusted conditions, a positive correlation between strength of acidification phase and biogas production, especially methane production, could be found. Thereby, the acid buffer intensity of MBT residual wastes proved to be crucial for pH stabilisation. Due to maximum cumulative biogas production at neutral pH, pH regulation at pH 7 is recommended for waste treatment in MBT plants...

Reviews

This sort of ebook is every little thing and got me to hunting in advance and a lot more. It is written in easy words rather than hard to understand. You won't sense monotony at whenever you want of your respective time (that's what catalogues are for concerning when you ask me).

-- **Dr. Fae Walsh**

This book could be really worth a read, and superior to other. It is written in simple terms and not confusing. You can expect to like how the blogger created this ebook.

-- **Alanna Carter I**

Relevant Books



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso's groundbreaking and trusted guide on bullying-including cyberbullying-arms parents and teachers with real solutions for a...



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...



California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...



Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...



Who am I in the Lives of Children? An Introduction to Early Childhood Education

Pearson Education (US), United States, 2015. Paperback. Book Condition: New. 10th Revised edition. 254 x 201 mm. Language: English . Brand New Book. Note: This is the bound book only and does not include access to the Enhanced Pearson eText. To order...



Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...