



Template for Evidence(s) UI GreenMetric Questionnaire

University : Samarra
 Country : Iraq
 Web Address : www.uosamarr.edu.iq

[3] Waste (WS)

[3.11] Total volume inorganic waste treated this year

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year	This Year		reused	down-cycled	up-cycled
inorganic non-toxic	110	95	15	15	70	10
- paper	60	50	10	10	40	0
- soft plastic	25	22	3	2	15	5
- hard plastic	20	18	2	3	10	5
- etc	5	5	0	0	5	0

Description:

Inorganic Waste treatment in University of Samarra aims to gather plastic, glass, metal, paper, digital, contaminated and medical waste and deliver them to waste treatment areas for recycling and also for the classification of valuable materials for reuse. Samarra University works with Samarra Municipality. The staff gathers the waste from the campus regularly. The Colleges may also call the environmental services office for gathering the batteries or the digital waste when enough amount of waste is collected. In 2024, collected Inorganic waste was 220 ton. Several programs are implemented to create awareness for classifying and delivering the waste for recycling, these are referred under the heading for Green recycling programs.

Recycling Program For University of Samarra including:

Program To Reduce The Use of Paper and Plastic On Samarra Campus

- Organic Waste Treatment
- Inorganic Waste Treatment



- Toxic Waste Treatment
- Sewage Disposal



Paper recycling machine model - Samarra University - first stages of operation



NEWS & ACTIVITIES

Samarra University Organizes a Scientific Symposium Entitled (Low Concentration Heavy Metals Removal from Synthetic Wastewater Using Bulk Liquid Membrane)

November 14, 2021 • University Presidency - Department of Media Fatima Author:



Under the patronage of the President of Samarra University, Prof. Dr. Sabah Allawi Khalaf, and under the supervision and guidance of the Dean of the Faculty of Engineering, Assistant Professor Dr. Amjad Saleh Mahmoud, the Department of Electromechanical Engineering at the Faculty of Engineering, Samarra University, held a scientific symposium entitled (Low Concentration Heavy Metals Removal from Synthetic Wastewater, Using Bulk Liquid Membrane) and in the presence of the Scientific Assistant, Prof. Dr. Riad Azzawi Badr, and a group of faculty members, staff and students of the Faculty of Engineering.

The scientific symposium dealt with (kinetic comparison of the removal and recovery of cadmium and copper ions from contaminated water using the volumetric liquid membrane (BLM) technique, this technique consists of the membrane phase, the extraction phase and the extraction phase.

The extraction phase was prepared by dissolving the appropriate amount of metal ions in distilled water at the same true concentrations produced by industrial laboratories at pH acidic values, the membrane phase was prepared by dissolving the chemical transporter tributylphosphate (TBP) in toluene, which was used as a solvent to remove ions. A comprehensive kinetics study and the effect of various parameters such as initial concentration of metal ions, concentration of extracted material, pH at the feeding and stripping stage, stirring speed and temperature were conducted. All practical experiments were simulated using MATLAB – Simulink software and the result of each experiment was predicted after 10 hours and it was found that the values of (R-Squared) were acceptable for cadmium and copper ions, in addition to all experiments were controlled by fuzzy logic control. The symposium concluded by appreciating the efforts of the participants in the symposium and all the attendees, wishing them continued giving in the service of our dear university and our dear Iraq.





NEWS & ACTIVITIES

The College of Engineering at Samarra University completes a document management system and electronic document validation

By University Presidency - Media Center • July 4, 2022 • Reading Time: 1 minute



The Documents Unit in the Registration Division of the College of the Engineering / University of Samarra has completed archiving and uploading documents to the beta website of the Document Management System and the validity of the issuance of graduation documents for the College of Engineering.

She added, "The mission of this website will significantly shorten official correspondence, especially the procedures for validating the issuance of alumni' documents, and the confirmations of the validity of the distribution will become electronic. This means that it will reduce many official communications and the time wasted on them, in addition to the effort expended by the person concerned first—the second employee.

It is noteworthy that – the unit – is continuing to archive and upload the documents of the alumni of the College of Engineering's most significant and largest number possible on this website. It believed in this project's success and its benefit to the university soon.





NEWS & ACTIVITIES

A seminar at the College of Engineering discusses solid and hazardous waste management

By ceo • January 4, 2023 • Reading Time: 1 minute



The College of Engineering at Samarra University held a scientific symposium entitled Solid and Hazardous Waste Management in the College Seminar Hall.

The symposium, delivered by Assistant Professor Dr. Ali Owaid Habib, seeks to introduce the waste generated from the daily use of the individual in the home, educational institution, public and private spaces, as well as gardens and agricultural waste.

Another way to get rid of solid materials was by burning waste with special incinerators to produce electricity and reducing its volume after roasting by 90L. Still, it was later found that it causes air pollution and the production of cancer-causing dioxin. The world is heading towards reuse, recycling, and recovery of usable materials and access to zero waste.





NEWS & ACTIVITIES

Samarra University Colleges Organize Campaigns on Green Education and Sustainable Environment

By University Presidency - Media Center • October 14, 2024 • Reading Time: 2 minutes



The Women's Affairs Units at the colleges of Samarra University organized awareness campaigns and educational seminars on the concept of green education and sustainable environment, in line with a directive from the Office of the Minister of Higher Education and Scientific Research on August 5, 2024, calling for the implementation of the National Strategy for Iraqi Women, specifically addressing the theme of "Enhancing the Role of Women in Managing Climate Change Risks and Protecting the Environment."

The activities aimed to highlight the concept of green education, which integrates environmental awareness and sustainable development, in addition to raising students' environmental awareness and improving their mental and social skills through environmental consciousness. It also clarified ways to provide a healthy environmental life for humans and how to maintain it.

The College of Arts organized an awareness seminar titled "Education Towards Green and Clean Sustainability," which focused on training youth to identify environmental problems and find solutions through various curricula and educational programs.

Meanwhile, the College of Education emphasized the importance of environmental sustainability and its outcomes, such as conserving natural resources and avoiding waste, as well as reducing pollution from factories and vehicle emissions, in a seminar titled "The Concept of Environmental Sustainability."

The College of Agriculture conducted a workshop on "Environmental and Climatic Risks," covering issues like rising sea levels, melting ice, and geological factors such as earthquakes and volcanoes. It also addressed industrial aspects, including factories and their waste, which negatively affect the environment.

In the same context, the College of Agriculture also organized tree-planting campaigns in the college gardens, aiming to increase green spaces and preserve the green environment's sustainability within the college.

Lecturers in all these activities encouraged researchers to write studies on sustainable development and organized awareness and educational campaigns to increase green spaces in both governmental and non-governmental institutions, homes, and streets. They also promoted recycling of solid and consumable materials to protect the environment.





Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://uosamarra.edu.iq/%d8%ac%d8%a7%d9%85%d8%b9%d8%a9-%d8%b3%d8%a7%d9%85%d8%b1%d8%a7%d8%a1-%d8%aa%d9%86%d8%b8%d9%85-%d9%86%d8%af%d9%88%d8%a9-%d8%b9%d9%84%d9%85%d9%8a%d8%a9-%d8%a8%d8%b9%d9%86%d9%88%d8%a7%d9%86-low-concentr/>.

<https://en.uosamarra.edu.iq/5752-2/>.

<https://en.uosamarra.edu.iq/6836-2/>.

<https://en.uosamarra.edu.iq/samarra-university-colleges-organize-campaigns-on-green-education-and-sustainable-environment/>.