

Recycling Solid Household Waste to Produce Home Supplements to Achieve Sustainable Development

Dr. Esraa Mahmoud Mohamed El-Etriby

Instructor in home economics, Specializing in clothing and textiles, Faculty of Specific Education, Port Said University, esooegypt4@gmail.com

Abstract:

The increase in population worldwide has led to an increase in human consumption and thus an increase in the resulting waste. Therefore, the problem of waste is one of the important environmental problems because of its serious health and environmental effects, In this regard, the study (Dabsh - 2015) showed that the majority of developing countries suffer from the dangers of severe environmental pollution due to the abundance and diversity of production and consumption waste, the lack of safe disposal of it, and the lack of efforts and capabilities to solve this problem, which results in many serious diseases and the spread of unpleasant odors, Which affects individuals' reassurance, stability, and satisfaction with life. Many studies have also confirmed the danger of the accumulation of household waste, which causes many problems, including the proliferation of insects and microbes, the spread of diseases, especially respiratory diseases, and sometimes causes the spread of fires. From this standpoint, the researcher sought to uncover the possibility of recycling solid household waste into new utilitarian products implemented using different methods and technologies and with high quality that are suitable as complements for the home.

Keywords:

Recycling, Household waste, Solid waste, Home supplements, Sustainable development

References:

- 1- Abu Saada, Muhammad Najib. (2005). Solid waste and its potential for biological recycling, 1st edition, Dar Al-Fikr Al-Arabi, Cairo.
- 2- Arnaout, Muhammad Al-Sayed. (2013). Ways to benefit from garbage and solid waste, 1st edition, Egyptian General Book Authority, Cairo.
- 3- Al-Janabi, Abdul Zahra Ali (2017). Small industries and their role in sustainable development in Babylon Governorate, Journal of the Babylon Center for Humanitarian Studies, Volume 7, Issue 1.
- 4- Al-Khelaiwi, Jawhara bint Salem Al-Turki. (2019). Employing green plants in innovative designs for some pieces of furniture and accessories in the home, International Journal of Humanities and Social Sciences, College of Humanities and Social Sciences.
- 5- Al-Daghiri, Muhammad. (2018) entitled: Solid waste: definition, types and methods of treatment, Saudi Geographical Society, King Saud University, Kingdom of Saudi Arabia.
- 6- Al-Sharifi, Saeed Hilal. (2013). Household waste will no longer be a source of nuisance," Abu Dhabi Industrial Cooperation Magazine, Issue 107, December.
- 7- Al-Tobshi, Safi Mohsen Muhammad. (2011). A program to utilize some environmental waste in making innovative products to increase family income, Master's thesis, Faculty of Specific Education in Damietta, Mansoura University.
- 8- Al-Qasimi, Raeda Ahmed. (2021). The impact of distance learning in achieving sustainable development in the educational process - Arab Journal of Arts and Humanities, Volume 5, Issue 16, January.
- 9- Debbas, Al-Suwailem Fares. (2016). Household waste between recycling and health and environmental damage, Dar Al-Abakyan for Publishing and Distribution, 1st edition, Riyadh.
- 10- Desouky, Rania Abdel Hamid Mabrouk. (2021). The concept of sustainable development and its goals, Arab Journal of Measurement and Evaluation, Issue 4, July.
- 11- Rabie, Iman Hamid Mahmoud. (2021). A modern vision for implementing women's outerwear to achieve sustainable development, Journal of Specific Education and Technology, Kafrelsheikh University, Issue 8, June.
- 12- Sarhan, Azza, and Al-Ghobashi, Taha. (2022). Employing the plastic capabilities of the art of crochet in crafting sculptural sculptures to enrich some home accessories, Scientific Journal of Specific Education and Applied Sciences, Volume 5, Issue 11, April.
- 13- Dabsh, Shaima Abdel Rahman. (2015). The family head's method of disposing of household waste and its relationship to life satisfaction, PhD thesis, Faculty of Home Economics, Menoufia University.
- 14- Abdel Rahim, Nadia Abdel Latif. (2015). Solid household waste: Prospects for investment and environmental protection, Journal of Research, Science in Arts, Volume 16, Issue 1, August.
- 15- Abdel Ati, Hanan Sami Muhammad. (2015). The role of women in managing household waste and its impact on environmental awareness as an input to sustainable environmental development, Journal of Home Economics, Faculty of Home Economics, Menoufia University, Volume 25, Issue 4.
- 16- Abdel-Ghani, Muhammad Fathi. (2020). The evolution of the concept of development, its dimensions and results in Egypt, Scientific Journal of Economics and Trade.
- 17- Abdel Mohsen, Ibrahim El-Sayed, and others. (2022). The impact of economic environmental management and recycling of household organic and inorganic waste on reducing pollution and achieving added economic value, Journal of Environmental Sciences, Faculty of Graduate Studies and Environmental Research, Ain Shams University, Volume 51, Issue 8, Part 3, August.
- 18- Abd al-Masih, Abd al-Masih Simeon. (2017). Sustainable development, the nineteenth scientific conference, scientific

- education and sustainable development, Egyptian Society for Scientific Education, July.
- 19- Abdel Moati, Asmaa Al-Sayyid, and Labib, Somaya Hamed. (2021). Utilizing leftover and recycled fabrics to enrich the aesthetic and functional values of children's clothing and accessories to achieve sustainable development, Journal of Specific Education and Technology, Kafr El-Sheikh University, Issue 8, June.
 - 20- Abdel Moneim, Rania Mahmoud. (2020). Women's awareness of human resource management and its impact on their recycling of household waste, Arab Research Journal in the Fields of Specific Education, Issue 18, April.
 - 21- Arafa, he forbade Shams al-Din. (2017). Recycling solid household waste to produce textile jewelry, the Sixth International Workshop "Women in Peace and Sustainable Development," from (May 22-28).
 - 22- Ali, Manal Fahmy Ibrahim, and Al-Subaie, Faraj Muhammad Awad. (2018). Factors affecting the behavior of rural women in the field of household waste recycling in Kafr El-Sheikh Governorate, Alexandria Journal of Agricultural Sciences, Volume 63, Issue 6, December.
 - 23- Ghoneim, Othman Muhammad, and Abu Zant, Majda. (2007). Sustainable development: its philosophy, planning methods, and measurement tools, 1st edition, Dar Al-Safaa for Publishing and Distribution, Amman.
 - 24- Fouad, Nisreen Ahmed. (2021). The Social Return of Solid Waste Recycling, Journal of the Faculty of Arts, Cairo University, Volume 81, July.
 - 25- Qalqil, Nour al-Din. (2017). City Governance and Sustainable Development, PhD thesis, Faculty of Law and Political Science, University of Batna 1, Algeria.
 - 26- Madi, Naglaa Muhammad Ahmed. (2021). A design treatment for home furnishings supplements decorated with the remains of ready-to-wear garment production supplies to achieve sustainability, Journal of Architecture, Arts and Humanities, Volume 6, Issue 28, July.
 - 27- Mahmoud, Muhammad Majeed. (2017). Sustainable development in the Arab world (obstacles and requirements), Libyan International Journal, University of Benghazi, Issue 25, August.
 - 28- Morsi, Haitham Morsi Haneen, Abdel Hamid, Ismail Muhammad, and Morsi, Amjad Muhammad. (2022). A reference study on techniques for recycling, using, reducing and benefiting from solid household waste in Vietnam, Zagazig Journal of Agricultural Research, Volume 47, Issue 3.
 - 29- Mualla, Wael. (2021). Universities and Sustainable Development, research paper, Al-Manara University Journal, Volume 1, Issue 2.
 - 30- Lotfi, Wafaa. (2023). The New Egyptian State and Sustainable Development (Opportunities and Challenges), Journal of the Faculty of Politics and Economics, Beni Suef University, No. 18, April.
 - 31- Blais, S. (2011). Business Analysis: Best Practices for Success New York, NY, USA: John Wiley & Sons.
 - 32- Dixon and Fallon. (2008). The Concept of Sustainability: Origins, Extensions, and Usefulness for Policy. Washington, DC: The World Bank. Environment Department, Division Working Paper No. 1.P 73-84
 - 33- Hawley, Jana. (2019). RECYLING: A SYSTEM PERSPECTIVE, Recycling textiles, Wood head Publishing Limited, UK.

Paper History:

Paper received August 16, 2023, Accepted November 26, 2023, Published on line January 1, 2024