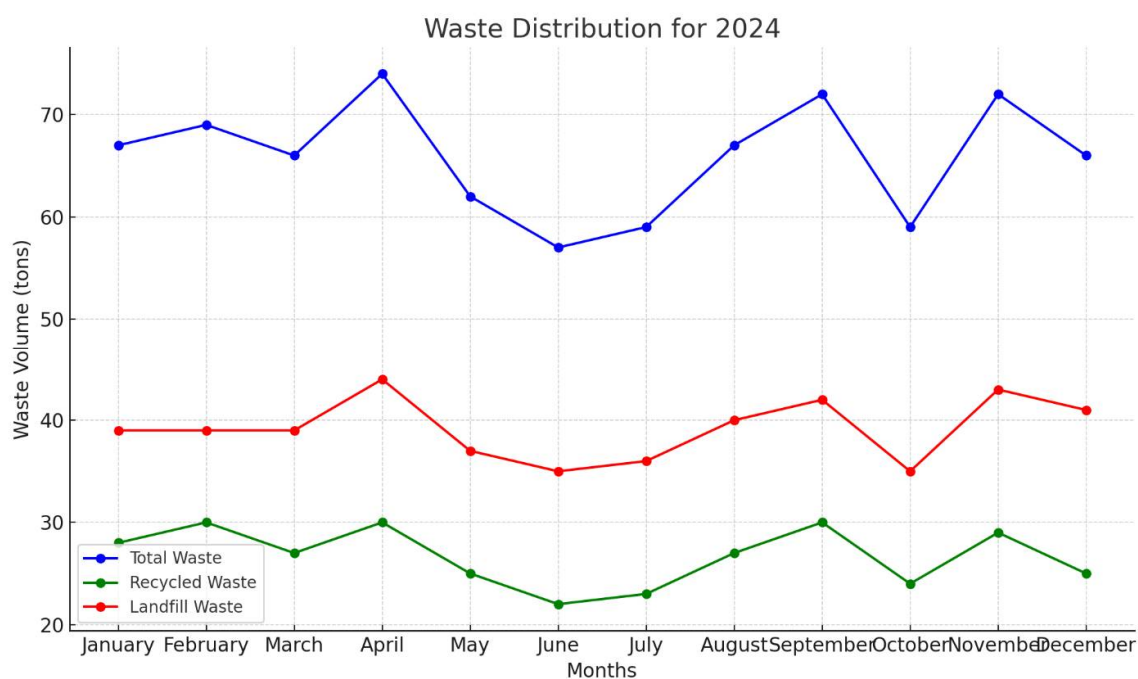


People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University of Larbi Ben M'hidi – Oum El Bouaghi

Report on the university's total waste volume in 2024

Waste Sent to Landfill	Recycled Waste Volume	Total Waste Volume	Month
39	28	67	Jan-23
39	30	69	Feb-23
39	27	66	Mar-23
44	30	74	Apr-23
37	25	62	May-23
35	22	57	Jun-23
36	23	59	Jul-23
40	27	67	Aug-23
42	30	72	Sep-23
35	24	59	Oct-23
43	29	72	Nov-23
41	25	66	Dec-23
490	320	810	Total



The waste management data for the year 2024 at Oum El Bouaghi University provides insights into how waste was handled, including recycling efforts and waste sent to landfills. Here's a detailed analysis based on the figures provided:

Total Waste Volume

- The university generated a total of **810 tons** of waste throughout the year.
- The **peak month** for waste generation was **April**, with **74 tons**, likely due to increased university activities or seasonal factors.
- The **lowest waste generation** occurred in **June**, with only **57 tons**, possibly reflecting reduced on-campus operations during the summer break.
- Waste generation remained relatively stable during the year, ranging between **57 and 74 tons**, with slightly higher values observed in spring and early autumn.

Recycled Waste Volume

- The total **recycled waste** for 2024 amounted to **320 tons**, representing **39.5%** of the total waste produced.
- The **highest recycling performance** was recorded in **April** and **September**, with **30 tons** of waste recycled in each month, suggesting the success of recycling initiatives or increased awareness during these periods.
- The **lowest recycling volume** was seen in **June**, at **22 tons**, which may be linked to the reduced presence of students and staff on campus.
- Despite monthly variations, the university maintained consistent recycling activity, ranging between **22 and 30 tons per month**, indicating a solid and functioning recycling system.

Waste Sent to Landfill

- The university sent a total of **490 tons** of waste to landfills, accounting for **60.5%** of the total waste generated.
- The **highest landfill volume** was observed in **April**, with **44 tons**, likely corresponding to the overall rise in waste production that month.
- The **lowest landfill waste** occurred in **June**, with **35 tons**, aligning with the overall reduction in waste during that period.
- Throughout the year, landfill waste consistently exceeded recycled waste, showing that landfilling remains the primary waste disposal method.

Key Observations

- **Recycling rates:** The university has made significant progress in recycling, with nearly **40%** of total waste being recycled; however, further efforts are needed to reduce landfill dependency.
- **Fluctuating patterns:** Variations in waste generation and recycling levels may be associated with academic schedules, exams, and university events.
- **Future goals:** To strengthen its sustainability commitment, the University of Oum El Bouaghi should aim to increase recycling rates to at least **50%** of total waste through expanded awareness programs and infrastructure improvements.

Recommendations

- **Increase Recycling Awareness:** Intensify awareness campaigns during high-waste months such as **April**, **September**, and **December**.
- **Optimize Waste Sorting:** Implement more efficient sorting systems on campus to capture a greater proportion of recyclable materials.
- **Reduce Landfill Dependency:** Encourage waste reduction strategies, including minimizing single-use materials and promoting composting of organic waste.

By maintaining its focus on sustainability, the University of Oum El Bouaghi can continue to lead by example—enhancing environmental responsibility among its community while contributing positively to ecological preservation.