A Survey on Use of Plastic versus Biodegradable Bottles for Drinking Water Packaging in the United Arab Emirates

S1 of S1

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Figure S1: Questionnaire about use of plastic versus biodegradable bottles for drinking water in the UAE.





Questionnaire about Use of Plastic versus Biodegradable Bottles for Drinking Water in the UAE

Your Rights to Know as a Participant

- Topic: You have been invited to take part in a study to investigate your views on environmental impacts associated with bottled water (not including refillable water containers) and sustainable alternatives.

 Researchers: This study will be conducted by Dr. Ashraf Aly Hassan and Dr. Munjed Maraqa in the Department of Civil & Environmental Engineering at United Arab Emirates University at Al Ain, UAE. For ant question, please contact Dr. Hassan via email: alyhassan@uaeu.ac.ae
 Study purpose: This study is intended for educational and research purposes.

 Duration: Participation in this study takes 15 minutes —[5 minutes explanation and 10 minutes for answering the questionns].

 Monetary benefits: There are no monetary benefits associated with this study.

 Procedure: The questionnaire does not involve any type of risk either physical or psychological.

 Confidential but The approximate and the processing of the back side is subjustive.

1.	In which emirate do you live? ☐ Abu Dhabi ☐ Dubai ☐ Sharjah ☐ Ajman ☐ Umm Al Qu	uwain 🗆 Fujaira	☐ Ras Al Ki	naimah		
2.	Which age bracket do you fall under? ☐ 15-20 ☐ 21-35 ☐ 36-45	□ 46-55	□ 56 or old	ler		
3.	What is your gender? ☐ Male ☐ Female					
	What is your nationality? ☐ UAE national ☐ Expatriate [Plo	ease specify]				
5.	If you are not a national of the UAE, how long have you been living in the country? □ Less than 1 year □ 1-2 years □ 3-4 years □ 5 years or more					
i.	Please mark the highest level of education you have received □ No school □ Primary school □ Secondary school □ University degree					
7.	What is your monthly income in AED (Please, divide your income by the number of people in your household)? I don't have an income I prefer not to tell Less than 5,000 I 5,000 - 10,000 I 10,000 - 35,000 I 35,000 - 50,000 I over 50,000					
3.	How frequently do you drink tap water? ☐ Never ☐ Rarely ☐ Most of the tir	me 🗆 All the	time			
9.	Do you use tap water for cooking ☐ Never ☐ Rarely ☐ Most of the tir	ne 🗆 All the	time			
10.	When do you drink tap water? (Select all that apply) At home At work At restaurants While t	ravelling 🗆 I do	n't drink tap v	vater at a	II.	
11.	What are the reasons why you usually drink bottled water over tap water most often? (Select all that apply) Taste Color Chlorine smell Like to have cold water Turbidity Not applicable Convenience/portability Does not have a proper blend of mine Concerns about microbial contamination Concerns about chemical pollution Never tasted tap water Other [Specify]				blend of minerals	
12.	On average, how much do you spend on single-use plastic bottled water per week (Please, state the amount either for yourself or per person in your household)? [amount is in AED] Less than 10					
13.	Do you consider the cost of bottled water to be? Cheap Reasonable Expensive	an 100 E rain i	ot sure 1	don't buy	bottled water	
14.	Regarding bottled water, do you prefer to drink: Locally manufactured brands No preference when choosing between locally and imported by		ted brands t drink bottle	d water		
15.	Please rate the criteria you use to purchase a bottled water:					
	Strong	ly disagree Disag	ree Neutral	Agree	Strongly agree	
	Cost	C C			D	
	Brand				E	
	Quality	C C			E	
	Availability				E	
	10000000000000000000000000000000000000			C	E	
	. S. S. L. Preferences (Maste, 1044 Soulding printerel, etc)					

17.	Rate how important it is for you to purchase a product that has minimal or no harm on the environment.
	0C 1C 2C 3C 4C 5C 6C 7C 8C 9C 10C
	Not Important Very Important
10	
18.	Do you recycle your single-use plastic water bottles or other plastic products? □ Always □ Occasionally (more than 50% of the time) □ Rarely (less than 50% of the time)
	□ Never (please explain why)
19.	Do you know the difference between 100% biodegradable versus recyclable plastic?
20.	☐ Yes ☐ No ☐ I'm not interested to know (please explain) How likely are you willing to purchase water that is packaged in a 100% biodegradable bottle that decomposes in 90 days and
	creates zero waste, is carbon neutral and contains no harmful chemicals?
	Never Very Likely
21.	How much more are you willing to pay per bottle to switch from single-use plastic bottled water to water packaged in 100%
	biodegradable material?
	None[] AED 0.25[] AED 0.5[] AED 0.75[] AED 1[] AED 1.5[]
	AED 2 AED 2.5 AED 3 AED 3.5 AED 4
22.	In your opinion, what can be done to encourage consumers to buy water in biodegradable bottles? (Select all that apply)
22.	in your opinion, what can be done to encourage consumers to buy water in blowegradable bottles: (Select all that apply)
	☐ Provide more information about the positive impact of ☐ Price it the same as plastic bottles
	biodegradable bottles on the environment Make biodegradable bottles more accessible and available
	□ Provide incentives to switch to biodegradable plastic □ Provide bins in convenient locations to dispose of □ Provide bins in convenient locations to dispose of
	□ Provide bins in convenient locations to dispose of biodegradable bottles □ Other [specify]
	☐ Introduce legislation to phase out or ban single use plastic
23.	From where do you usually obtain information about recycling initiatives in the UAE?
	□ TV □ Newspaper □ Internet □ Friends/relatives
24.	☐ Books/Journals ☐ None ☐ Other [Specify] From where do you usually obtain information about bottled water quality?
- 7.	□TV □ Newspaper □ Internet □ Friends/relatives □ Bottle label
	☐ Books/Journals ☐ None ☐ Other [Specify]
25	What is your occupation? ☐ Hospitality ☐ Agriculture ☐ Medical professions ☐ Education & Academia ☐ Retail
	□ Banking □ Engineering □ Business □ Other [Specify]
26	Which one describes your job better?
	☐ Private sector ☐ Public sector
	2.2.40
	Optional Consent Form 1. I confirm that I have read and understood the above information sheet and have had the opportunity to ask questions.
	I understand that my participation is voluntary and that I am free to withdraw.
	3. I understand that my data will be kept confidential and if published, the data will not be identifiable as mine.
	I agree to take part in this study:
	(Name and signature of participant) (Date)
	(Name and signature of participant)
	<u></u>
	(Name and signature of witness (if participant unable to read/write) (Date)
	(Name and signature of parent/guardian/next of kin (when participant unable (Date)
	to give consent due to age or incapacity)
	Thank you very much for your time and opinions
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	ected by: ID no.: Date:
Seri	al number:
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