

**Table 1.** Participants demographic information.

	<b>Demographic information</b>	<b>N</b>	<b>Percent</b>
1	<u>Sex:</u>		
	Male	326	64.3
	Female	181	35.7
2	<u>Age:</u>		
	18-25	103	20.3
	25-30	152	30.0
	30-35	101	19.9
	35-40	50	9.9
	40-45	37	7.3
	45-50	25	4.9
	50-55	23	4.5
	55-60	11	2.2
	more than 60	5	1.0
3	<u>Marital Status</u>		
	Married	275	54.2
	Unmarried	227	44.8
	Divorced	3	.6
	Widowed/Widow	2	.4
4	<u>Occupation:</u>		
	Doctor	26	5.1
	Engineer	62	12.2
	Lawyer	9	1.8
	Government employee	183	36.1
	Teacher	51	10.1
	Private employer	73	14.4
	Student	65	12.8
	Other	38	7.5
5	<u>Qualification:</u>		
	Primary	18	3.6
	Intermediate	20	3.9
	Secondary	80	15.8
	Diploma	82	16.2
	Undergraduate	216	42.6
	Postgraduate	91	17.9
6	<u>Is there a child living at home?</u>		
	Yes	397	78.3
	No	110	21.7
7	<u>No. of children:</u>		
	From 1 to 3	288	56.8
	From 4 to 6	93	18.3
	From 7 to 9	11	2.2
	> 9	5	1.0
8	<u>Income:</u>		
	From 300,000 to 600,000 Iraqi dinars (IQ)	158	31.2
	From 600,000 to 900,000 IQ	90	17.8
	From 900,000 to 1,200,000 IQ	57	11.2
	From 1,200,000 to 1,500,000 IQ	36	7.1
	More than 1,500,000 IQ	166	32.7
9	<u>Paying fees</u>		

	Yes	416	82.1
	No	91	17.9
10	<u>Amount paying:</u>		
	5000-15000 IQ	117	23.1
	15000-25000 IQ	187	36.9
	25000-35000 IQ	44	8.7
	35000-45000 IQ	1	.2
	Equal & Greater than 45000 IQ	4	.8
11	<u>Sewerage network connected:</u>		
	Yes	412	81.3
	No	95	18.7

**Table 2.** Ways Suggested to raise consciousness about water reuse.

<b>Suggested methods</b>	<b>Number</b>	<b>Percent</b>
Social media	150	39%
Internet advertisements	60	16%
Awareness through the media	75	20%
By organising workshops or advisory meetings	33	9%
Field mobile team campaigns in the cities	29	8%
Spreading awareness in universities, schools, and mosques	10	3%
I don't know	24	6%
Total	381	100%

**Table 3.** A synopsis of the participants on questions concerning utilising recycled wastewater for agriculture, industry and commerce, other purposes and purpose of their support.

27-How will you trust using treated wastewater for irrigation							m	SD	Rank
		Strongly support	Support	Don't support	I don't know				
Irrigation of food crops	N	137	209	83	78	2.20	1.005	2	
	%	27	41.2	16.4	15.4				
Irrigation of non-food crops	N	149	208	71	79	2.16	1.017	2	
	%	29.4	41	14	15.6				
Irrigation of public parks	N	190	207	58	52	1.94	0.948	2	
	%	37.5	40.8	11.4	10.3				
Animal crops	N	162	218	68	59	2.05	0.958	2	
	%	32.0	43.0	13.4	11.6				
Irrigation All crops	N	124	182	112	89	2.33	1.031	2	
	%	24.5	35.9	22.1	17.6				
Average		30.1%	40.38%	15.46 %	14.1%	2.1357	0.9918		
28- How confident with using treated wastewater for industry and commerce									
		Strongly support	Support	Don't support	I don't know	m	SD	Rank	
Cooling (e.g. cooling of power plants - cooling machines ....)	N	178	189	60	80	2.08	1.047	2	
	%	35.1	37.3	11.8	15.8				
Construction work (such as: construction work - mixing concrete...)	N	166	181	87	73	2.13	1.029	2	
	%	32.7	35.7	17.2	14.4				
Power plants (e.g. steam production .....	N	158	191	73	85	2.17	1.049	2	
	%	31.2	37.7	14.4	16.8				
Car wash	N	135	198	114	60	2.20	0.963	2	
	%	26.6	39.1	22.5	11.8				
Clothes Laundries	N	67	150	219	71	2.58	0.889	3	
	%	13.2	29.6	43.2	14				
Cleaning (street cleaning – cleaning)	N	160	198	87	62	2.10	0.984	2	
	%	31.6	39.1	17.2	12.2				
Fire Fighting	N	187	190	44	86	2.06	1.064	2	
	%	36.9	37.5	8.7	17				
Average		29.6 %	36.6 %	19.3 %	14.6 %	2.1879	1.0035		

**Table 3. (continued)****29- How confident with using treated wastewater for the following purposes**

		Strongly support	Support	Don't support	I don't know	m	SD	Rank
Artificial lakes	N	116	192	130	69	2.30	0.970	2
	%	22.9	37.9	25.6	13.6			
Swimming Pools	N	55	132	247	73	2.67	0.854	3
	%	10.8	26.0	48.7	14.4			
Fish Farms	N	84	180	167	76	2.46	0.939	2
	%	16.6	35.5	32.9	15.0			
Household uses (e.g. bathing .....	N	53	125	263	66	2.67	0.831	3
	%	10.5	24.7	51.9	13.0			
Storage for emergency	N	111	201	122	73	2.31	0.970	2
	%	21.9	39.6	24.1	14.4			
Drinking animals and birds	N	108	211	124	64	2.28	0.940	2
	%	21.3	41.6	24.5	12.6			
Washing vegetables and fruits	N	60	111	279	57	2.66	0.830	3
	%	11.8	21.9	55.0	11.2			
Cooking	N	44	98	302	63	2.76	0.779	3
	%	8.7	19.3	59.6	12.4			
Flushing toilet	N	145	234	75	53	2.07	0.921	2
	%	28.6	46.2	14.8	10.5			
Average		17 %	32.5 %	37.5 %	13 %	2.464	0.893	

**30- The extent to which you support the use of treated wastewater for achieving the following goals**

		Strongly support	Support	Don't support	I don't know	m	SD	Rank
Preserving the environment	N	248	187	30	42	1.74	0.901	1
	%	48.9	36.9	5.9	8.3			
Easing pressure on groundwater and high-cost desalinated water	N	221	218	24	44	1.79	0.886	2
	%	43.6	43.0	4.7	8.7			
Reducing pollution	N	246	200	17	44	1.72	0.889	1
	%	48.5	39.4	3.4	8.7			
Giving up the purchase of chemical fertilisers harmful to Public health	N	258	193	10	46	1.69	0.894	1
	%	50.8	38.1	2	9.1			
Average		47.95%	39.35%	4%	8.7%	1.735	0.893	

**Table 4.** T-test outcomes show sex alteration in trust of recycled wastewater utilised for various purposes.

Purpose	Male		Female		T-Test	df	Sig.
	Mean	SD	Mean	SD			
Industrial & commercial uses	14.75	5.31	16.56	5.76	-3.67**	505	0.000
Different goals	21.39	5.8	23.61	6.19	-4.03**	505	0.000
Irrigation	10.05	4.07	11.81	4.15	-4.62**	505	0.000

\*\* for female

Table 5. Preparing demographic data for one-way ANOVA and Chi-square tests by regrouping it according to age, education level, and income.

Groups	Symbol	Demographic parameter					
		Age(a) (Years)		Educational level(e)		Income(i) (IQ)	
Group 1	G1	G1a	< 35	G1e	Diploma or less	G1i	300,000 to 900,000
Group 2	G2	G2a	35-50	G2e	Undergraduate	G1i	900,000 to 1200,000
Group 3	G3	G3a	>= 50	G3e	Postgraduate	G1i	1,200,000 or more than

**Table 6.** Results from a one-way ANOVA technique summarising the effects of age, education level, and income on people's attitudes regarding using recycled wastewater.

Question	Groups													
	Age(years)				Educations(level)				Income (IQ)					
Ga	G1a	G2a	G3a	Sig.	Ge	G1e	G2e	G3e	Sig.	Gi	G1i	G2i	G3i	Sig.
How will you trust using treated wastewater for irrigation?	1			0.17	1				0.36	1				0.436
	2	1.02			2	-0.033				2	0.71			
	3	0.03	-0.99		3	0.68	0.72			3	-0.037	-0.75		
How confident with using treated wastewater for industry and commerce?	1			0.57	1				0.11	1				0.061
	2	0.59			2	1.03				2	1.11			
	3	-0.53	-1.133		3	1.09	0.057			3	-0.74	-1.84		
How confident with using treated wastewater for the following purposes?	1			0.4	1				0.4	1				0.134
	2	1.01			2	0.78				2	1.61			
	3	-0.33	-1.34		3	0.56	-0.23			3	-0.06	-1.68		
The extent to which you support the use of treated wastewater for achieving the following goals	1			0.648	1				0.49	1				0.01*
	2	0.33			2	-0.17				2	0.32			
	3	0.33	-0.004		3	0.31	0.48			3	-0.73*	-1.05*		