

Supplementary information

Water and Food Nexus: Role of Socio-Economic Status on Water–Food Nexus in an Urban Agglomeration Hyderabad, India using Consumption Water Footprint

Supplementary Materials

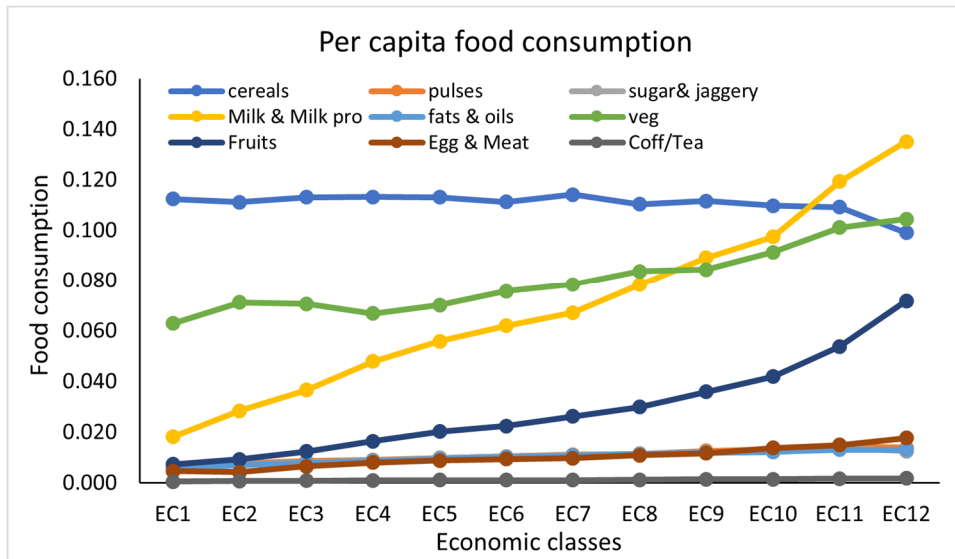


Figure S1. Per capita food consumption in tons/capita/year for all nine food groups and for twelve economic classes

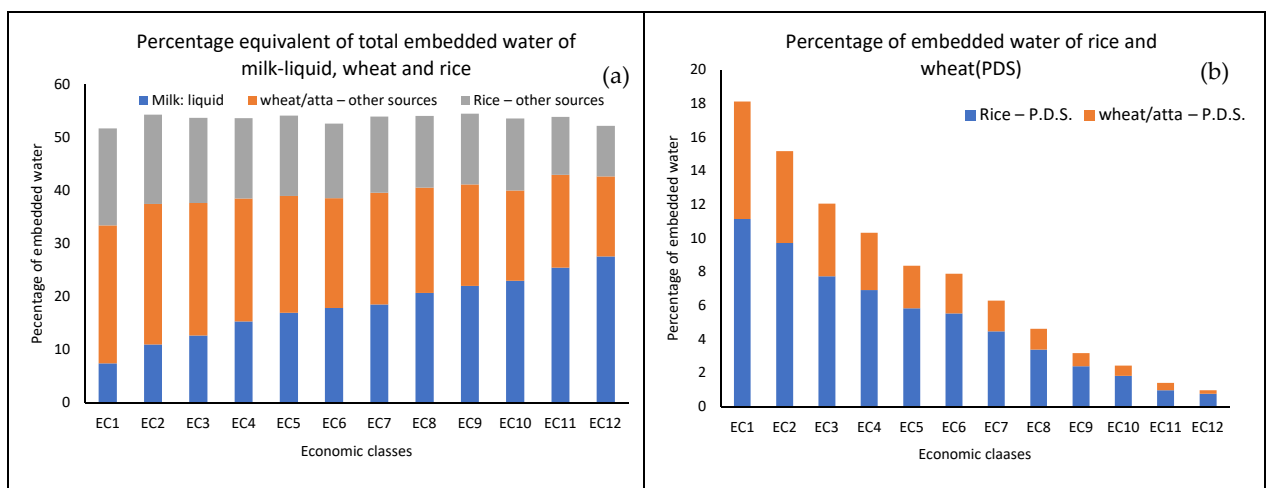


Figure S2. Percentage equivalent of total embedded water of Milk liquid, wheat, rice from other sources (a); percentage equivalent of total embedded water for rice and wheat from PDS (b).

Table S1. Green, blue and grey embedded water for individual food products over the HMDA region. MCM- Million Cubic Meters

Food group	Food products	Embedded waters MCM/Year		
		Green	Blue	Grey
Cereals	Rice – P.D.S.	175.012	72.753	25.450
	Rice – other sources	604.594	251.432	88.084
	Flattened Rice(Chira)	22.904	9.521	3.327
	Popped Rice(khoi)	0.842	0.350	0.123
	Puffer Rice(muri)	14.506	6.030	2.107
	other rice products	6.950	2.889	1.010
	whea – P.D.S.	44.338	57.707	17.839
	wheat– other sources	507.346	660.205	204.496
	Maida	7.520	9.787	3.026
	Semolina(Rawa)	30.264	12.588	4.402
	Noodles(sewai)	4.105	5.343	1.654
	Bread	13.006	16.916	5.240
	other wheat products	0.770	1.002	0.310
	Jowar & its products	27.088	1.453	2.517
	Bajra & its products	16.704	0.896	1.552
	Maize & its products	2.947	0.158	0.274
	Millets & its products	0.374	0.005	0.024
	Ragi & its products	22.169	0.312	1.425
Pulses	Pigeon Peas	105.545	1.485	6.787
	Chickepea(Gram: split)	32.874	0.642	14.471
	Chickpea(gram: whole)	18.070	0.353	7.954
	Mung bean(moong)	46.605	0.910	20.516
	Lentil(masur)	34.462	0.673	15.170
	Black gram(urd)	38.844	0.759	17.099
	Peas	8.600	0.115	1.498
	Indian pea(khesari)	0.557	0.011	0.245
	Other pulses	14.189	0.277	6.246
	Gram products	4.329	0.085	1.906
	Gram flour(besan)	29.627	0.579	13.042
	other pulse products	6.119	0.120	2.694
Sugars	Sugar – PDS	10.222	9.466	1.343
	Sugar – other sources	94.695	87.697	12.442
	Jaggery(gur)	5.815	5.385	0.764
	Candy(misri)	0.302	0.280	0.040
Milk Products	Baby food	1.132	0.169	0.080
	Milk: powder	2.846	0.417	0.201
	Curd	12.358	1.846	0.870
	Ghee	8.633	1.263	0.610
	Butter	2.007	0.294	0.142
	Milk: liquid	1110.940	165.933	78.245

Oils & Fats	Vanaspati/ margarine	4.586	0.241	0.221
	Mustard oil	26.099	0.000	1.803
	Groundnut oil	97.408	5.110	4.709
	Coconut oil	7.211	0.000	0.159
	Refined oil	182.050	0.000	4.023
	Edible oil: others	7.803	0.000	0.177
Vegetables	Potato	40.161	7.924	6.483
	Onion	15.706	21.610	5.904
	Tomato	25.175	0.000	8.392
	Brinjal	5.798	7.977	2.179
	Radish	2.298	3.162	0.864
	Carrot	1.346	1.870	0.748
	Palak	8.716	11.992	3.276
	Green chillies	3.444	2.452	1.245
	Lady's finger	5.333	7.337	2.005
	Parwal	1.741	2.395	0.654
	Cauliflower	6.165	0.571	1.332
	Cabbage	2.005	3.374	0.987
	pumpkin	10.081	0.159	2.290
	Peas	6.958	0.212	1.470
	Beans	120.312	0.100	23.550
	Lemon	21.920	0.000	2.093
Fruits	Banana	25.857	18.858	2.333
	Jackfruit	0.244	0.178	0.022
	Watermelon	4.053	0.203	0.585
	Pineapple	0.910	0.359	0.163
	Coconut	114.810	0.000	2.523
	Green coconut	26.171	0.000	0.575
	Guava	4.128	4.128	1.179
	Singara	0.472	0.472	0.135
	Orange	12.092	0.035	1.157
	Papaya	2.743	0.617	0.255
	Mango	33.515	9.316	2.662
	Kharbooza	1.020	0.051	0.147
	Pears	0.181	0.009	0.026
	Leechi	0.241	0.371	0.139
	Apple	34.263	1.863	3.066
	Grapes	3.621	0.000	0.343
	Dates	1.785	4.211	0.271
Non-Veg	Eggs (no.)	111.639	14.503	12.379
	Fish, prawn	79.425	5.939	3.359
	Goat meat/mutton	40.782	3.820	0.126
	Beef/ buffalo meat	104.532	5.378	1.938
	Pork	4.630	1.023	0.474

	Chicken	194.971	25.306	22.263
	others: birds, crab, etc.	1.350	0.175	0.154
Coffee	Coffee	10.682	0.000	0.609
	Tea	53.650	14.000	3.701