Table S1. Characteristics of the included studies (n=48).

Reference	Number of sample	Place of sample collection	Nutrients considered for analysis
Akther et al. (2018) [32]	5	Riverbank (The Padma) and fish landing centers of Rajshahi city	Proximate composition: moisture, protein, fat Minerals: iron, calcium, phosphorus
Al-Reza et al. (2015) [33]	1	The river Jamuna	Proximate composition: moisture, carbohydrate, protein, fat, ash
Azam et al. (2003) [34]	14	Kuakata	Proximate composition: moisture, protein, fat, ash
Begum et al. (2011) [35]	1	Dhaka city	Proximate composition: moisture, protein, fat, ash
Begum et al. (2014) [36]	1	Directly from the fish processor (location is not specified)	Proximate composition: moisture, protein, fat, ash
Bhuiyan et al. (2009) [37]	6	Karwan Bazaar, Dhaka and drying yards of Sonadia island	Proximate composition: moisture, carbohydrate, protein, fat, ash
Chakroborty & Chakroborty (2017) [38]	1	K.R. market, Bangladesh Agricultural University, Mymensingh	Proximate composition: moisture, protein, fat, ash
Debnath et al. (2018) [39]	1	Sureswar Bazar, Shariatpur and Fishery Ghat, Chittagong	Proximate composition: moisture, protein, fat, ash Minerals: iron, calcium, phosphorus
Farid et al. (2016) [40]	3	Meghna river	Proximate composition: moisture, protein, fat, ash Minerals: iron, zinc, calcium, magnesium, manganese, Heavy metal: copper
Farid et al. (2017) [41]	2	Meghna river	Proximate composition: moisture, protein, fat, ash
Flowra, Tumpa, and Islam (2012) [42]	5	Saidpur, Nilphamari	Proximate composition: moisture, protein, fat, ash
Flowra and Tumpa (2012) [43]	5	Chalan beel, Shingra	Proximate composition: moisture, protein, fat, ash
Haque et al. (2013) [44]	2	Kutubdia, Shaparirdip, Cox'bazar, Chakti, Kazidewry	Proximate composition: moisture, protein, fat, ash
Hasan et al. (2006) [45]	3	Mymensingh	Proximate composition: moisture, protein, fat, ash

Reference	Number of sample	Place of sample collection	Nutrients considered for analysis
Hasan et al. (2016) [46]	4	Sylhet Sadar	Proximate composition: moisture, protein, fat, ash
Hasan et al. (2018) [47]	1	Sylhet Sadar	Proximate composition: moisture, protein, fat, ash, dietary fiber
Hossain et al. (2015) [48]	4	Dhaka city	Proximate composition: moisture, protein, fat, ash
Hossain et al. (2017) [49]	2	Cox's Bazar	Proximate composition: moisture, protein, fat, ash Minerals: zinc Heavy metal: copper, cadmium, lead, chromium
Huque et al. (2013) [50]	3	Local fish market (location is not specified)	Proximate composition: moisture, carbohydrate, protein, fat, ash Minerals: calcium, phosphorus
Imtiaz et al. (2017) [51]	1	Cox's Bazar	Proximate composition: moisture, protein, fat, ash
Islam et al. (2006) [52]	3	Not mentioned	Proximate composition: moisture, protein, fat, ash
Islam et al. (2007) [53]	1	Dhaka Newmarket and Hatirpul market, Dhaka	Proximate composition: moisture, protein, fat, ash
Islam, Hossain, and Mian (2012) [54]	1	Sylhet	Proximate composition: moisture, protein, fat, ash
Islam et al. (2013) [55]	4	Singra, Natore	Proximate composition: moisture, carbohydrate, protein, fat, ash
Islam et al. (2020) [56]	3	Vodra, Rajshahi city	Proximate composition: moisture
Islam et al. (2021) [57]	13	Saint martin's island	Proximate composition: moisture, fat, ash Fatty acid: lauric, myristic, palmitic, palmitoleic, stearic, oleic
Jahan et al. (2017) [58]	5	Rajshahi city	Proximate composition: moisture, carbohydrate, protein, fat, ash Minerals: iron, calcium, phosphorus
Jahan and Akhtar (2019) [59]	1	Singrabajar of Chalanbeel area	Proximate composition: moisture, protein, fat, ash
Jamil et al. (2017) [60]	2	Cox's Bazaar	Proximate composition: moisture, protein, fat, ash

Reference	Number of sample	Place of sample collection	Nutrients considered for analysis
			Minerals: zinc Heavy metals: copper, cadmium, lead, chromium
Kar et al. (2020) [61]	6	Khulna (Dubla Island), Patuakhali (Kuakata) and Cox's Bazar	Proximate composition: moisture, protein, fat, ash Minerals: iron, zinc Heavy metals: copper, arsenic, lead
Mahmud et al. (2019) [62]	5	Jessore Sadar	Proximate composition: energy, moisture, carbohydrate, protein, fat, ash Minerals: iron, calcium, phosphorus Heavy metals: lead
Majumdar et al. (2017) [63]	6	Kawran Bazar Fish Market, Dhaka	Proximate composition: moisture, protein, fat, ash
Majumdar et al. (2018) [64]	1	Not mentioned	Proximate composition: moisture, protein, fat, ash
Mohammad et al. (2013) [21]	3	Mymensingh town	Proximate composition: moisture, protein, fat, ash Heavy metals: cadmium, chromium
Mansur et al. (2017) [65]	3	Mymensingh city	Proximate composition: moisture, protein, fat, ash Minerals: zinc Heavy metals: copper, cadmium, lead, chromium
Nurullah et al. (2006) [66]	6	Mymensingh	Proximate composition: moisture, protein, fat, ash
Prodhan et al. (2010) [67]	1	Kawran Bazar, Dhaka	Proximate composition: moisture, protein, fat, ash
Rahman et al. (2016) [68]	2	Mechua Bazar, Mymensingh and BFDC landing centre, Cox's Bazar	Proximate composition: moisture, protein, fat, ash
Rana, Chakraborty, and Saeid (2020) [69]	10	Different market of Dhaka city	Proximate composition: moisture, protein, fat, ash
Rasul et al. (2018) [70]	1	Gazipur	Proximate composition: moisture, protein, fat, ash
Rasul et al. (2019) [71]	1	Gazipur	Proximate composition: moisture, protein, fat, ash
Rasul et al. (2021) [72]	1	Gazipur	Proximate composition: moisture, protein, fat, ash

Reference	Number of sample	Place of sample collection	Nutrients considered for analysis
			Fatty acid: SFAs, MUFAs, PUFAs, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, linolenic acid, arachidic acid, EPA, DHA
Shaheen et al. (2013) [22]	4	Not mentioned	Heavy metals: copper Vitamins: D, E, folate, A, B_1, B_2, B_3, B_6,
Sharif et al. (1991) [73]	8	Coastal belt of the Bay of Bengal	Heavy metals: copper, nickel, rubidium, strontium, cadmium, lead
Sharif et el. (1993) [74]	10	Coastal belt of the Bay of Bengal	Minerals: iron, zinc, calcium, magnesium, sodium, potassium, manganese Heavy metals: copper, nickel, rubidium, strontium, cadmium, lead
Siddiky et al. (2017) [75]	5	Cox's Bazar	Proximate composition: moisture, protein, fat, ash
Siddique and Aktar (2011) [18]	3	Chaktai, Asadgonj, Firingi bazar, Reajuddin Bazar of Chittagong	Proximate composition: moisture, carbohydrate, protein, fat, ash
Sultana et al. (2008) [76]	3	Chittagong	Proximate composition: moisture, protein, fat, ash