Table S1. Fitted coefficient (b) and constant (a) values of the regression models developed to estimate chrysanthemum leaf area (LA) of single leaves from length (L) and width (W) measurements. For each cultivar, 250 leaves were sampled (2–3 leaves/plant). Data were analyzed per cultivar. Morphological parameters of the employed leaves are provided in Table 1.

Cultivar		Model	Fitted coefficient and constant		$R^{2, z}$	MSE^z	$PRESS^z$	SSE^z
			a	b				
Alamos yellow	1	$LA = a + b \cdot L$	-31.065	5.589	0.702	29.31	5.41	7269
	2	$LA = a + b \cdot W$	-8.126	6.815	0.666	32.89	5.74	8158
	3	$LA = a + b \cdot L^2$	4.715	0.215	0.697	29.87	5.47	7408
	4	$LA = a + b \cdot W^2$	16.116	0.466	0.645	35.00	5.92	8679
	5	$LA = a + b \cdot L \cdot W$	6.682	0.363	0.776	21.97	4.69	5449
	6	$LA = a + b (L + W)$	-30.346	3.544	0.792	20.51	4.53	5087
	7	$LA = a + b (L + W)^2$	4.617	0.088	0.787	21.02	4.59	5213
	8	$LA = a (L + W)^3$	16.560	0.003	0.773	22.40	4.73	5555
Amethyst yellow	1	$LA = a + b \cdot L$	-34.321	5.727	0.719	53.18	7.29	13189
	2	$LA = a + b \cdot W$	-22.801	3.139	0.667	62.98	7.94	15618
	3	$LA = a + b \cdot L^2$	1.560	0.221	0.729	51.35	7.17	12735
	4	$LA = a + b \cdot W^2$	9.651	0.686	0.653	65.76	8.11	16308
	5	$LA = a + b \cdot L \cdot W$	1.579	0.432	0.762	45.06	6.71	11175
	6	$LA = a + b (L + W)$	-36.341	3.881	0.759	45.85	6.77	11370
	7	$LA = a + b (L + W)^2$	0.356	0.099	0.773	43.20	6.57	10712
	8	$LA = a (L + W)^3$	13.553	0.003	0.766	44.40	6.66	11011
Baltica pink	1	$LA = a + b \cdot L$	-23.051	4.249	0.796	7.12	2.67	1766
	2	$LA = a + b \cdot W$	-0.793	5.350	0.441	19.55	4.42	4849
	3	$LA = a + b \cdot L^2$	2.242	0.176	0.805	6.84	2.62	1696
	4	$LA = a + b \cdot W^2$	14.539	0.459	0.425	20.11	4.48	4987
	5	$LA = a + b \cdot L \cdot W$	4.255	0.359	0.738	9.14	3.02	2266
	6	$LA = a + b (L + W)$	-24.964	3.024	0.815	6.44	2.54	1597
	7	$LA = a + b (L + W)^2$	1.619	0.085	0.817	6.38	2.53	1582
	8	$LA = a (L + W)^3$	10.708	0.003	0.810	6.63	2.57	1644
Baltica salmon	1	$LA = a + b \cdot L$	-31.718	5.011	0.801	13.05	3.61	3237
	2	$LA = a + b \cdot W$	-15.175	8.066	0.654	22.62	4.76	5609
	3	$LA = a + b \cdot L^2$	-1.689	0.206	0.823	11.60	3.41	2876
	4	$LA = a + b \cdot W^2$	8.047	0.687	0.656	22.49	4.74	5577
	5	$LA = a + b \cdot L \cdot W$	-0.075	0.428	0.835	10.72	3.27	2658
	6	$LA = a + b (L + W)$	-33.047	3.511	0.845	10.12	3.18	2509
	7	$LA = a + b (L + W)^2$	-1.940	0.098	0.865	8.86	2.98	2196
	8	$LA = a (L + W)^3$	9.060	0.003	0.863	8.89	2.98	2204
Baltica	1	$LA = a + b \cdot L$	-26.941	4.807	0.812	9.48	3.08	2350

			a	b	R^2	MSE		PRESS	SSE
	2	$LA = a + b \cdot W$	-8.862	7.234	0.706	14.77	3.84	3662
	3	$LA = a + b \cdot L^2$	1.491	0.200	0.824	8.82	2.97	2187
	4	$LA = a + b \cdot W^2$	13.348	0.578	0.666	16.76	4.09	4156
	5	$LA = a + b \cdot L \cdot W$	4.657	0.386	0.843	7.90	2.81	1958
	6	$LA = a + b (L + W)$	-26.574	3.254	0.867	6.70	2.59	1663
	7	$LA = a + b (L + W)^2$	2.371	0.090	0.869	6.55	2.56	1623
	8	$LA = a (L + W)^3$	12.513	0.003	0.856	7.22	2.69	1789
Botempi red	1	$LA = a + b \cdot L$	-24.908	5.117	0.832	12.44	3.53	3084
	2	$LA = a + b \cdot W$	-24.362	9.433	0.826	12.86	3.59	3189
	3	$LA = a + b \cdot L^2$	3.150	0.228	0.824	12.87	3.59	3193
	4	$LA = a + b \cdot W^2$	4.228	0.764	0.812	13.86	3.72	3438
	5	$LA = a + b \cdot L \cdot W$	1.329	0.450	0.884	8.64	2.94	2143
	6	$LA = a + b (L + W)$	-28.571	3.531	0.884	8.65	2.94	2144
	7	$LA = a + b (L + W)^2$	1.332	0.102	0.880	8.92	2.99	2213
	8	$LA = a (L + W)^3$	12.074	0.004	0.852	10.88	3.30	2699

[z]R^2, Coefficient of determination; MSE, mean square errors (cm^2); PRESS, predicted residual error sum of squares; SSE, error sum of squares.

Table S2. Fitted coefficient (b) and constant (a) values of the regression models used to estimate chrysanthemum leaf area (LA) of single leaves from leaf length (L) and the mean aspect ratio (AR) value per cultivar. For each cultivar (Alamos yellow, Amethyst yellow, Baltica pink, Baltica salmon, Baltica, and Botempi red), 250 leaves were sampled (2–3 leaves/plant). Data were analyzed per cultivar. Morphological parameters of the employed leaves are provided in Table 1.

Cultivar	Model		Fitted coefficient and constant		$R^{2, z}$	MSE^z	$PRESS^z$	SSE^z
			a	b				
Alamos yellow	9	$LA = a + b \cdot AR \cdot L$	18.537	1.049	0.125	86.18	9.28	21372
	10	$LA = a + b \cdot AR \cdot L^2$	17.485	0.083	0.360	63.00	7.94	15624
	11	$LA = a + b \cdot AR \cdot L^3$	22.446	0.005	0.461	53.12	7.29	13172
Amethyst yellow	9	$LA = a + b \cdot AR \cdot L$	44.260	0.088	0.003	189.1	13.75	46889
	10	$LA = a + b \cdot AR \cdot L^2$	35.901	0.030	0.092	172.0	13.12	42665
	11	$LA = a + b \cdot AR \cdot L^3$	33.524	0.003	0.198	152.1	12.33	37722
Baltica pink	9	$LA = a + b \cdot AR \cdot L$	8.141	0.841	0.287	24.90	4.99	6175
	10	$LA = a + b \cdot AR \cdot L^2$	10.636	0.060	0.525	16.59	4.07	4115
	11	$LA = a + b \cdot AR \cdot L^3$	14.460	0.004	0.625	13.11	3.62	3251
Baltica salmon	9	$LA = a + b \cdot AR \cdot L$	11.007	0.767	0.187	53.12	7.29	13174
	10	$LA = a + b \cdot AR \cdot L^2$	10.088	0.063	0.455	35.58	5.96	8823
	11	$LA = a + b \cdot AR \cdot L^3$	13.748	0.004	0.587	26.95	5.19	6685
Baltica	9	$LA = a + b \cdot AR \cdot L$	3.777	1.243	0.353	32.47	5.70	8053
	10	$LA = a + b \cdot AR \cdot L^2$	9.466	0.078	0.576	21.25	4.61	5269
	11	$LA = a + b \cdot AR \cdot L^3$	14.724	0.005	0.663	16.93	4.11	4198
Botempi red	9	$LA = a + b \cdot AR \cdot L$	-9.039	2.501	0.530	34.61	5.88	8583
	10	$LA = a + b \cdot AR \cdot L^2$	5.929	0.139	0.698	22.25	4.72	5519
	11	$LA = a + b \cdot AR \cdot L^3$	14.037	0.008	0.728	20.07	4.48	4977

[z]R^2, Coefficient of determination; MSE, mean square errors (cm^2); PRESS, predicted residual error sum of squares; SSE, error sum of squares.