

Table S1. Results of optimization tasks (Pareto optimal set) and considered statistics.

T_i , °C	L , mm	ID	Bi	D/s^2 (min ⁻¹)	R	RMSE	MAE
40	3	40-3_1	0.6558	0.009854	0.9919	0.0432	0.0353
		40-3_2	0.6639	0.009952	0.9916	0.0432	0.0354
		40-3_3	0.6427	0.010018	0.9923	0.0461	0.0340
		40-3_4	0.6600	0.009746	0.9922	0.0436	0.0351
		40-3_5	0.7264	0.005967	0.9939	0.0451	0.0392
		40-3_6	0.7016	0.006247	0.9935	0.0456	0.0390
		40-3_7	0.7038	0.006243	0.9935	0.0457	0.0391
		40-3_8	0.7243	0.006010	0.9937	0.0447	0.0392
		40-3_9	0.6122	0.010856	0.9908	0.0461	0.0329
	6	40-6_1	0.6067	0.010196	0.9777	0.0683	0.0560
		40-6_2	0.7450	0.004540	0.9925	0.0468	0.0365
		40-6_3	0.6641	0.007980	0.9846	0.0565	0.0462
		40-6_4	0.6536	0.008000	0.9846	0.0565	0.0465
		40-6_5	0.6435	0.007986	0.9858	0.0596	0.0433
		40-6_6	0.7548	0.004415	0.9925	0.0466	0.0381
		40-6_7	0.6123	0.008394	0.9851	0.0610	0.0433
		40-6_8	0.6550	0.007963	0.9847	0.0565	0.0462
		40-6_9	0.5488	0.011206	0.9777	0.0775	0.0547
50	6	50-6_1	0.6322	0.009226	0.9925	0.0422	0.0300
		50-6_2	0.6967	0.006983	0.9934	0.0420	0.0350
		50-6_3	0.7245	0.006147	0.9951	0.0373	0.0326
		50-6_4	0.6386	0.009218	0.9926	0.0425	0.0300
		50-6_5	0.6769	0.008273	0.9939	0.0405	0.0316
		50-6_6	0.6799	0.008297	0.9938	0.0402	0.0316
		50-6_7	0.6799	0.008541	0.9931	0.0390	0.0322
		50-6_8	0.6757	0.008555	0.9930	0.0390	0.0323
		50-6_9	0.7012	0.006347	0.9951	0.0388	0.0323
	9	50-9_1	0.7231	0.006047	0.9955	0.0378	0.0324
		50-9_2	0.7230	0.004845	0.9945	0.0406	0.0312
		50-9_3	0.7257	0.004847	0.9944	0.0406	0.0312
		50-9_4	0.7320	0.005052	0.9935	0.0388	0.0323
		50-9_5	0.7251	0.005053	0.9935	0.0387	0.0323
		50-9_6	0.7614	0.005003	0.9930	0.0413	0.0362
		50-9_7	0.6545	0.008063	0.9886	0.0517	0.0381
		50-9_8	0.6578	0.008056	0.9886	0.0518	0.0381
		50-9_9	0.7020	0.007291	0.9898	0.0514	0.0397
60	6	60-6_1	0.6585	0.011758	0.9946	0.0352	0.0259
		60-6_2	0.6762	0.011392	0.9946	0.0334	0.0271
		60-6_3	0.6347	0.012407	0.9939	0.0381	0.0259
		60-6_4	0.6930	0.011118	0.9952	0.0342	0.0268
		60-6_5	0.6573	0.013089	0.9911	0.0454	0.0355
		60-6_6	0.6781	0.011365	0.9947	0.0334	0.0270
		60-6_7	0.7017	0.007877	0.9944	0.0407	0.0365
		60-6_8	0.5783	0.013879	0.9934	0.0566	0.0332
		60-6_9	0.7001	0.007753	0.9948	0.0410	0.0364

cont. Table S1.

T_i , °C	L , mm	ID	Bi	D/s^2 (min ⁻¹)	R	RMSE	MAE
60	9	60-9_1	0.7086	0.007804	0.9946	0.0409	0.0364
		60-9_2	0.7986	0.005233	0.9966	0.0373	0.0286
		60-9_3	0.7723	0.005749	0.9953	0.0339	0.0291
		60-9_4	0.6406	0.009684	0.9885	0.0516	0.0382
		60-9_5	0.7741	0.005741	0.9954	0.0339	0.0291
		60-9_6	0.6464	0.009746	0.9883	0.0527	0.0395
		60-9_7	0.6734	0.008522	0.9917	0.0399	0.0320
		60-9_8	0.6781	0.007987	0.9926	0.0381	0.0330
		60-9_9	0.7598	0.007142	0.9898	0.0561	0.0426
70	3	70-3_1	0.6761	0.020463	0.9958	0.0319	0.0221
		70-3_2	0.7234	0.018353	0.9955	0.0287	0.0248
		70-3_3	0.7007	0.014130	0.9941	0.0390	0.0343
		70-3_4	0.7253	0.017323	0.9950	0.0325	0.0277
		70-3_5	0.6770	0.020337	0.9958	0.0317	0.0221
		70-3_6	0.7195	0.018353	0.9954	0.0324	0.0256
		70-3_7	0.7248	0.016480	0.9943	0.0413	0.0340
		70-3_8	0.72344	0.018353	0.9955	0.0287	0.0248
		70-3_9	0.7253	0.018299	0.9955	0.0286	0.0248
	6	70-6_1	0.7091	0.014120	0.9941	0.0391	0.0343
		70-6_2	0.6791	0.014541	0.9961	0.0302	0.0217
		70-6_3	0.7237	0.013014	0.9958	0.0276	0.0240
		70-6_4	0.6776	0.014452	0.9961	0.0300	0.0216
		70-6_5	0.6867	0.014509	0.9961	0.0302	0.0217
		70-6_6	0.8252	0.010816	0.9947	0.0402	0.0326
		70-6_7	0.7229	0.013104	0.9958	0.0276	0.0240c
		70-6_8	0.7005	0.010114	0.9943	0.0389	0.0343
		70-6_9	0.6546	0.016359	0.9957	0.0403	0.0316
9	70-9_1	0.6789	0.010623	0.9939	0.0406	0.0342	
	70-9_2	0.6898	0.010590	0.9940	0.0409	0.0343	
	70-9_3	0.7428	0.007998	0.9959	0.0336	0.0294	
	70-9_4	0.7258	0.008066	0.9958	0.0335	0.0230	
	70-9_5	0.7243	0.007897	0.9962	0.0338	0.0292	
	70-9_6	0.7002	0.008291	0.9958	0.0354	0.0293	
	70-9_7	0.6837	0.010534	0.9944	0.0370	0.0302	
	70-9_8	0.7237	0.008127	0.9956	0.0336	0.0300	
	70-9_9	0.6911	0.010518	0.9945	0.0372	0.0302	