

Assessment of microalgae species, biomass and distribution from spectral images using a convolution neural network

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Online Resource 3. Model 4 summary from Keras library.

Model: "sequential_6"

Layer (type)	Output Shape	Param #
conv1d_12 (Conv1D)	(None, 148, 128)	512
max_pooling1d_12 (MaxPooling)	(None, 74, 128)	0
conv1d_13 (Conv1D)	(None, 72, 64)	24640
max_pooling1d_13 (MaxPooling)	(None, 36, 64)	0
flatten_6 (Flatten)	(None, 2304)	0
dense_12 (Dense)	(None, 256)	590080
dropout_6 (Dropout)	(None, 256)	0
dense_13 (Dense)	(None, 6)	1542
Total params: 616,774		
Trainable params: 616,774		
Non-trainable params: 0		