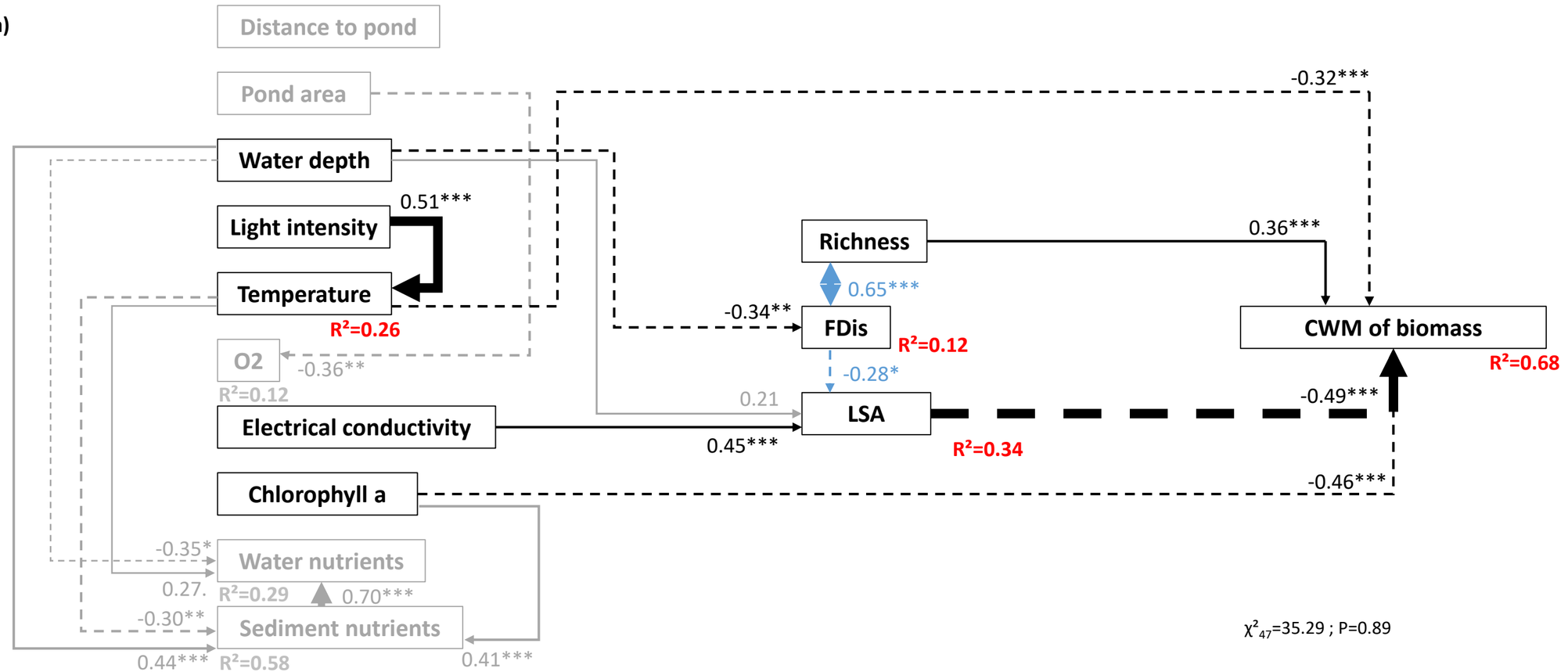
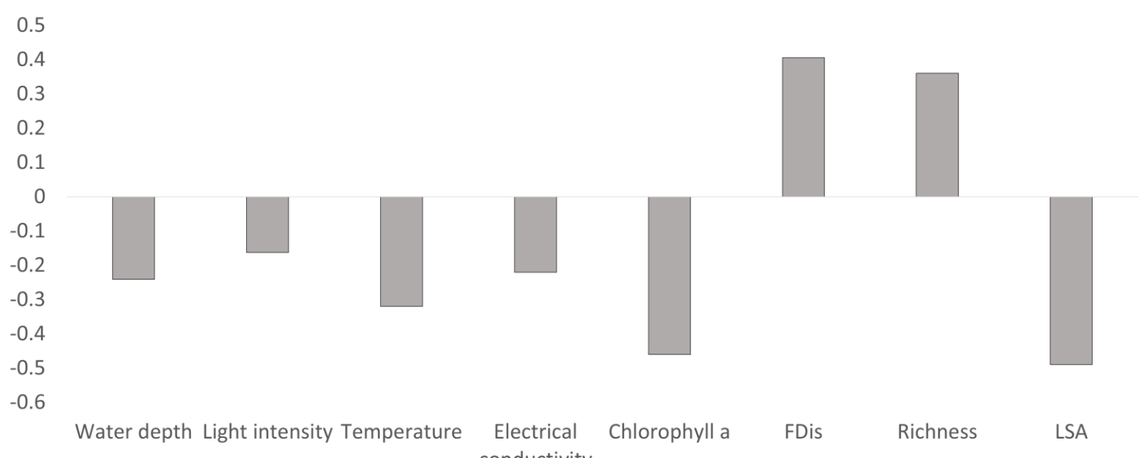
a)


Distance to pond
Pond area
Water depth
Light intensity
Temperature
O2
Electrical conductivity
Chlorophyll a
Water nutrients
Sediment nutrients
Richness
FDis
LSA
CWM of biomass
0.51***
R²=0.26
-0.36**
R²=0.12
-0.35*
0.27.
R²=0.29
0.70***
-0.30**
0.44***
R²=0.58
0.41***
0.21
0.45***
-0.34**
0.65***
-0.28*
R²=0.12
R²=0.34
0.36***
-0.32***
-0.49***
-0.46***
R²=0.68
χ²47=35.29 ; P=0.89

b)


0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
Water depth
Light intensity
Temperature
Electrical conductivity
Chlorophyll a
FDis
Richness
LSA