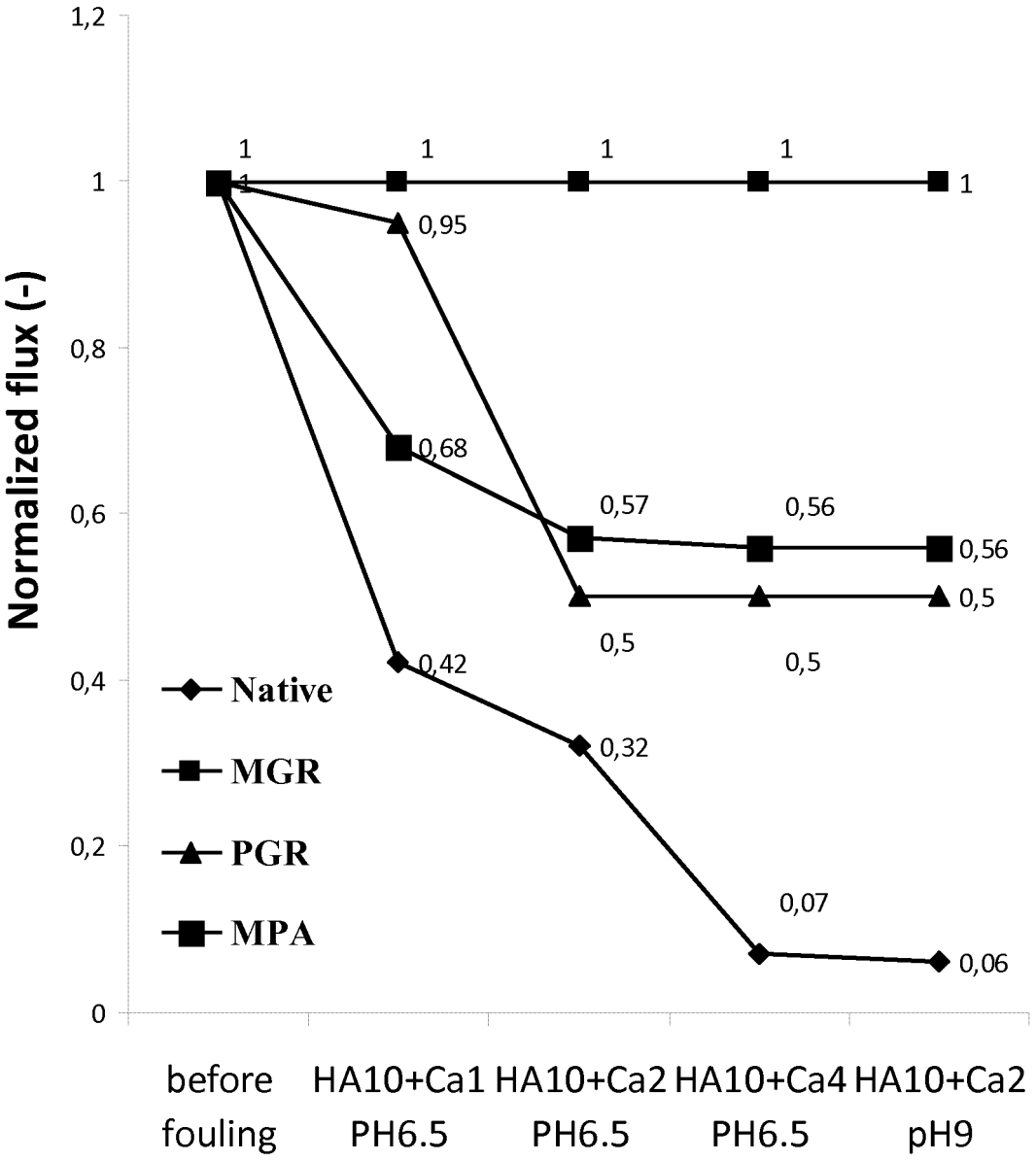

Normalized flux (-)
1,2
1
0,8
0,6
0,4
0,2
0
1
1
1
1
1
1
0,95
0,68
0,57
0,56
0,56
0,5
0,5
0,5
0,42
0,32
0,07
0,06
Native
MGR
PGR
MPA
before fouling
HA10+Ca1 PH6.5
HA10+Ca2 PH6.5
HA10+Ca4 PH6.5
HA10+Ca2 pH9

Fig. 1A

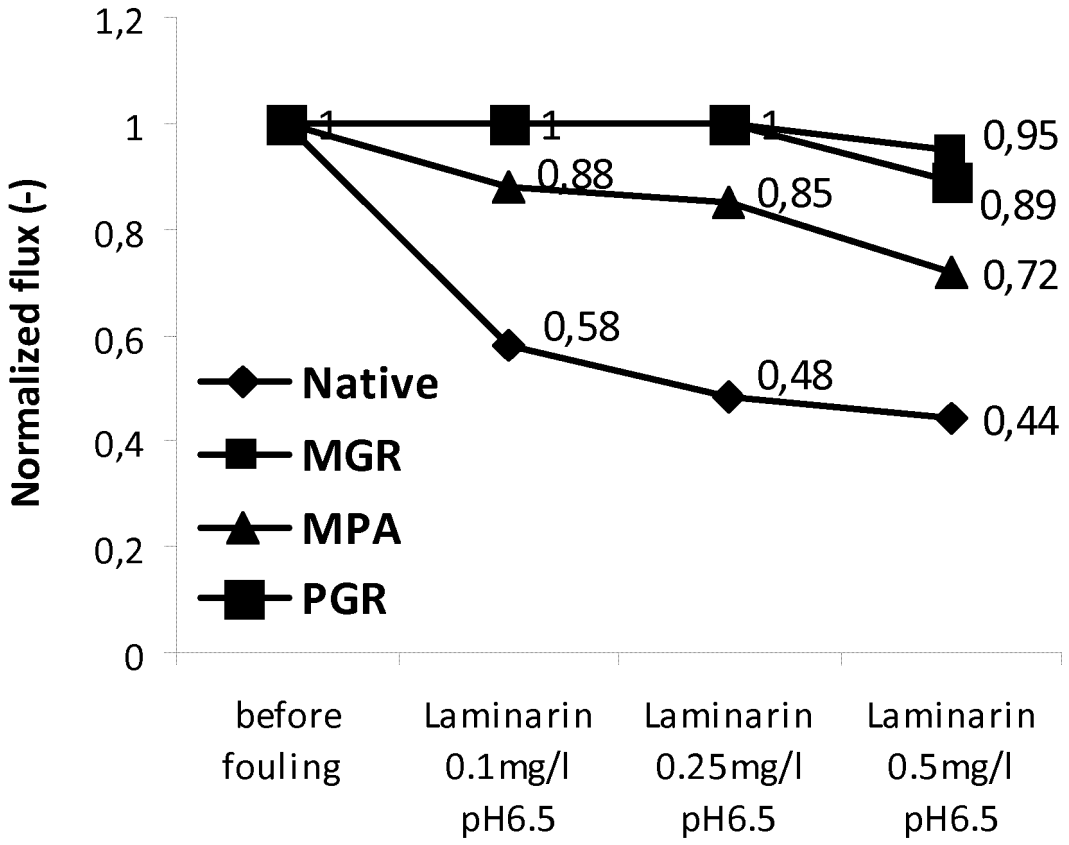

1,2
1
0,8
0,6
0,4
0,2
0
Normalized flux (-)
1
1
1
0,95
0,88
0,85
0,89
0,72
0,58
0,48
0,44
Native
MGR
MPA
PGR
before fouling
Laminarin 0.1mg/l pH6.5
Laminarin 0.25mg/l pH6.5
Laminarin 0.5mg/l pH6.5

Fig. 1B

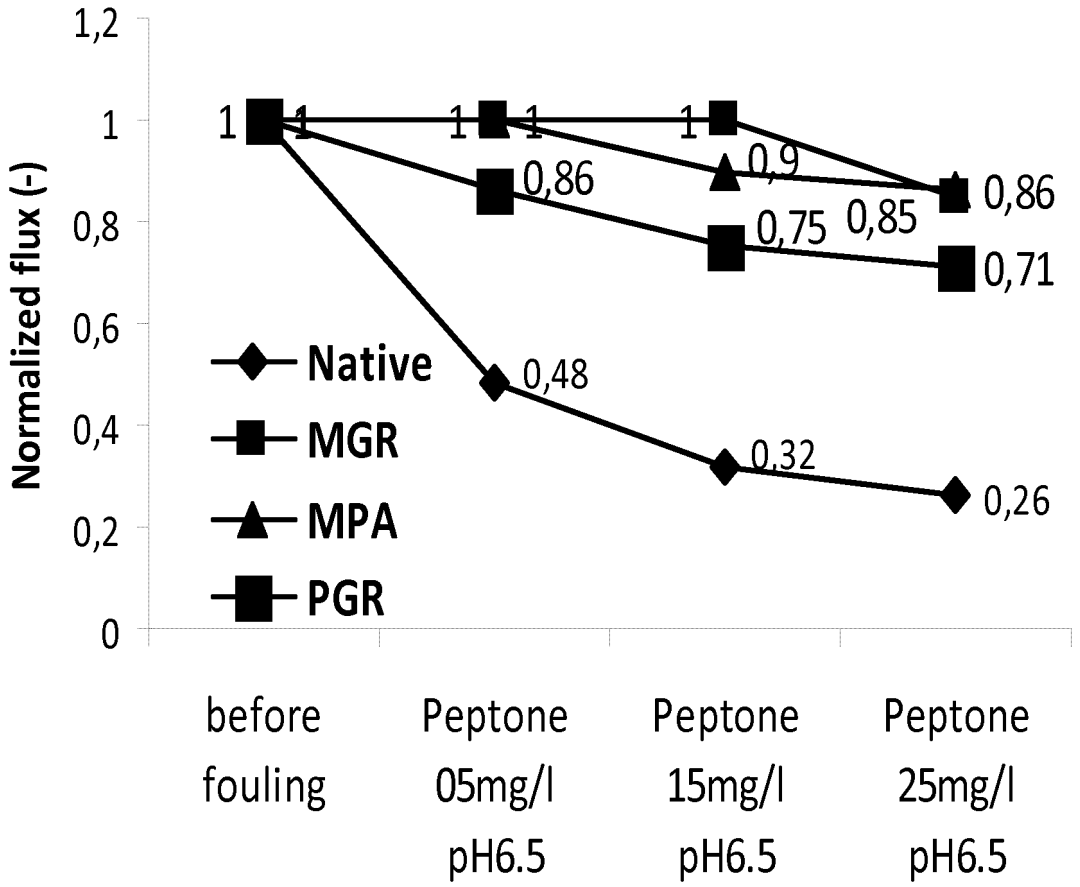

1,2
1
0,8
0,6
0,4
0,2
0
Normalized flux (-)
1
1
1
1
1
1
0,86
0,9
0,86
0,75
0,85
0,71
0,48
0,32
0,26
Native
MGR
MPA
PGR
before fouling
Peptone 05mg/l pH6.5
Peptone 15mg/l pH6.5
Peptone 25mg/l pH6.5

Fig. 1C

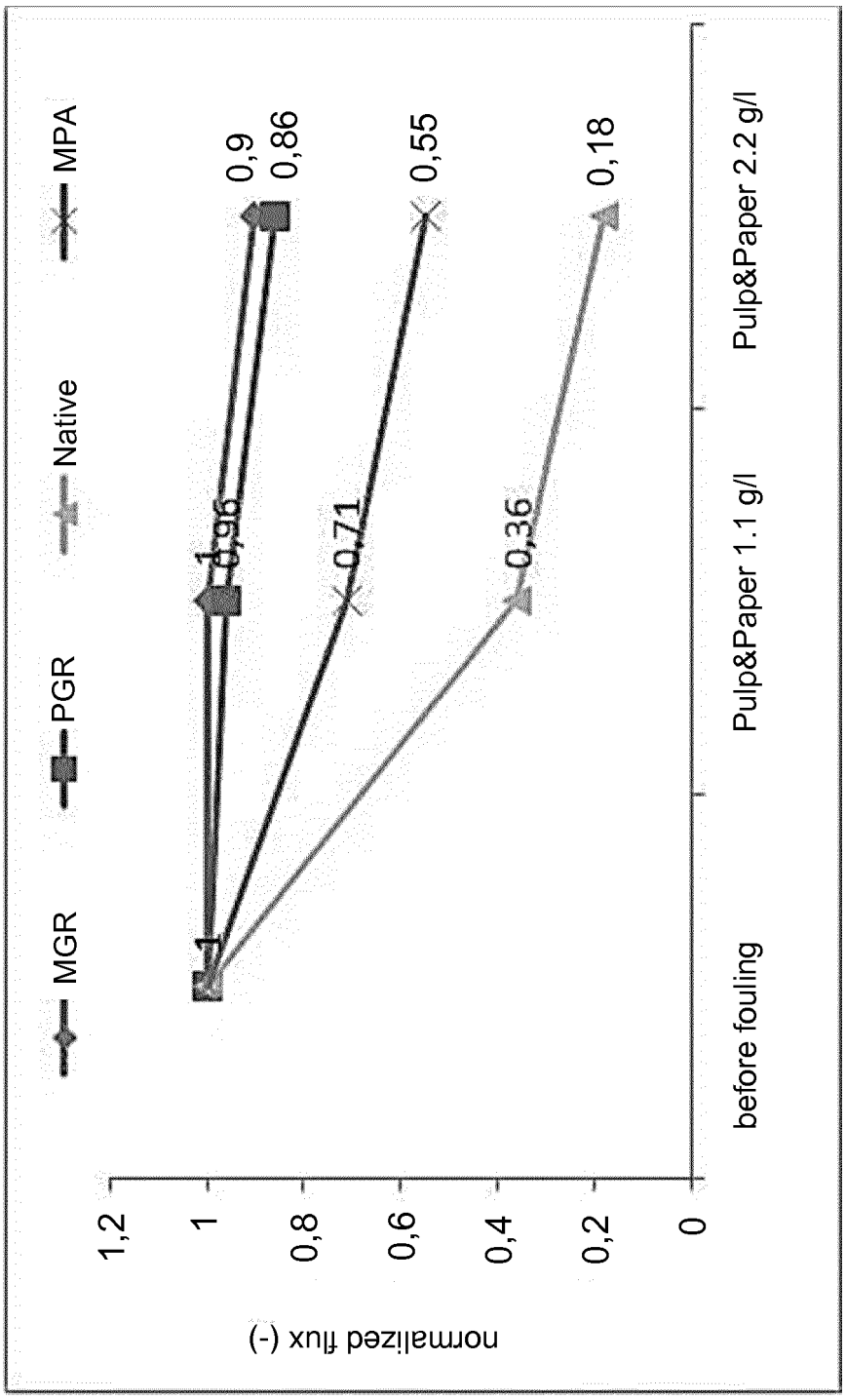

MGR
PGR
Native
MPA
1
0,96
0,9
0,86
0,71
0,55
0,36
0,18
1,2
1
0,8
0,6
0,4
0,2
0
normalized flux (-)
before fouling
Pulp&Paper 1.1 g/l
Pulp&Paper 2.2 g/l

Fig. 1D

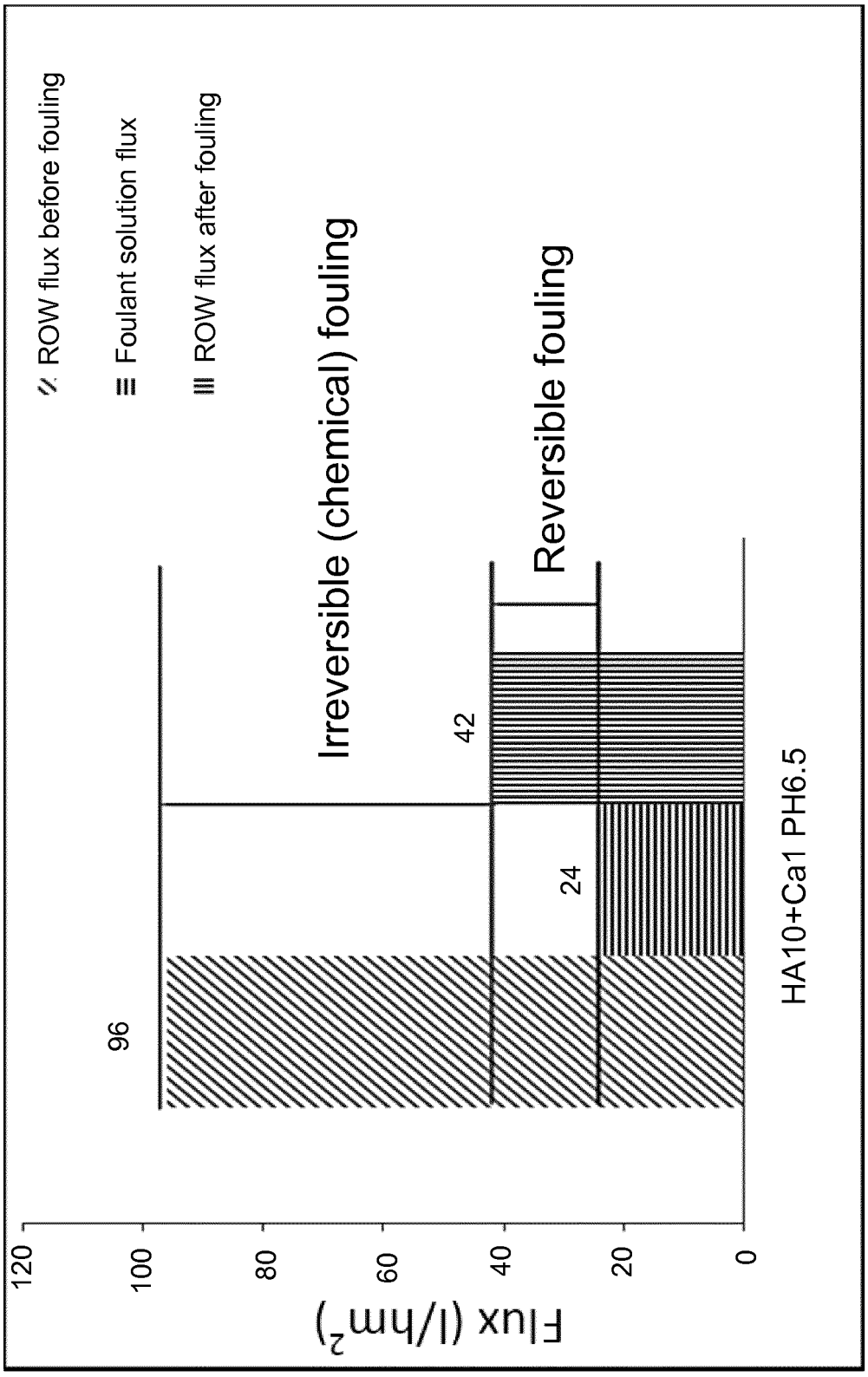

ROW flux before fouling
Foulant solution flux
ROW flux after fouling
Irreversible (chemical) fouling
Reversible fouling
96
42
24
HA10+Ca1 PH6.5
Flux (l/hm²)
120
100
80
60
40
20
0

Fig. 2