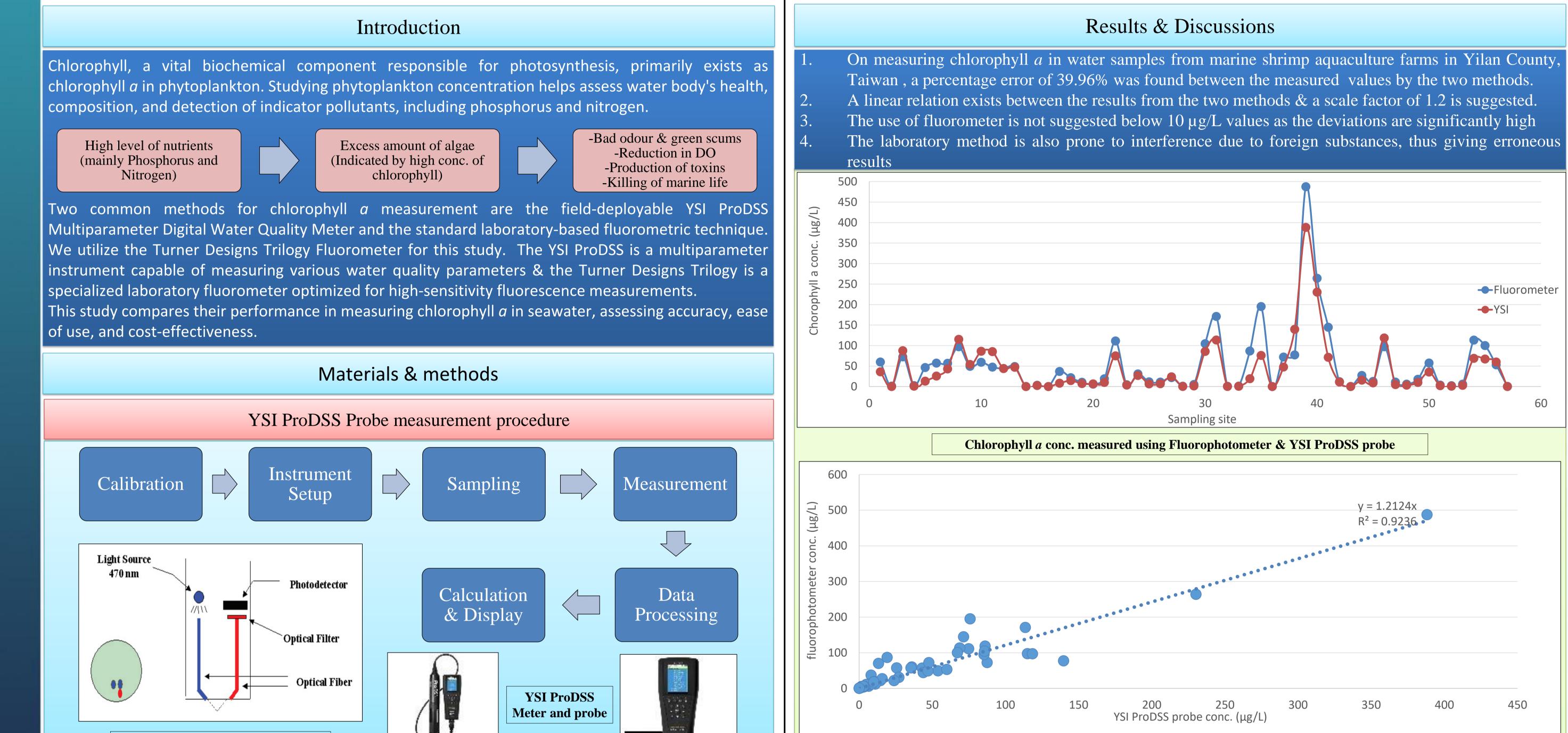


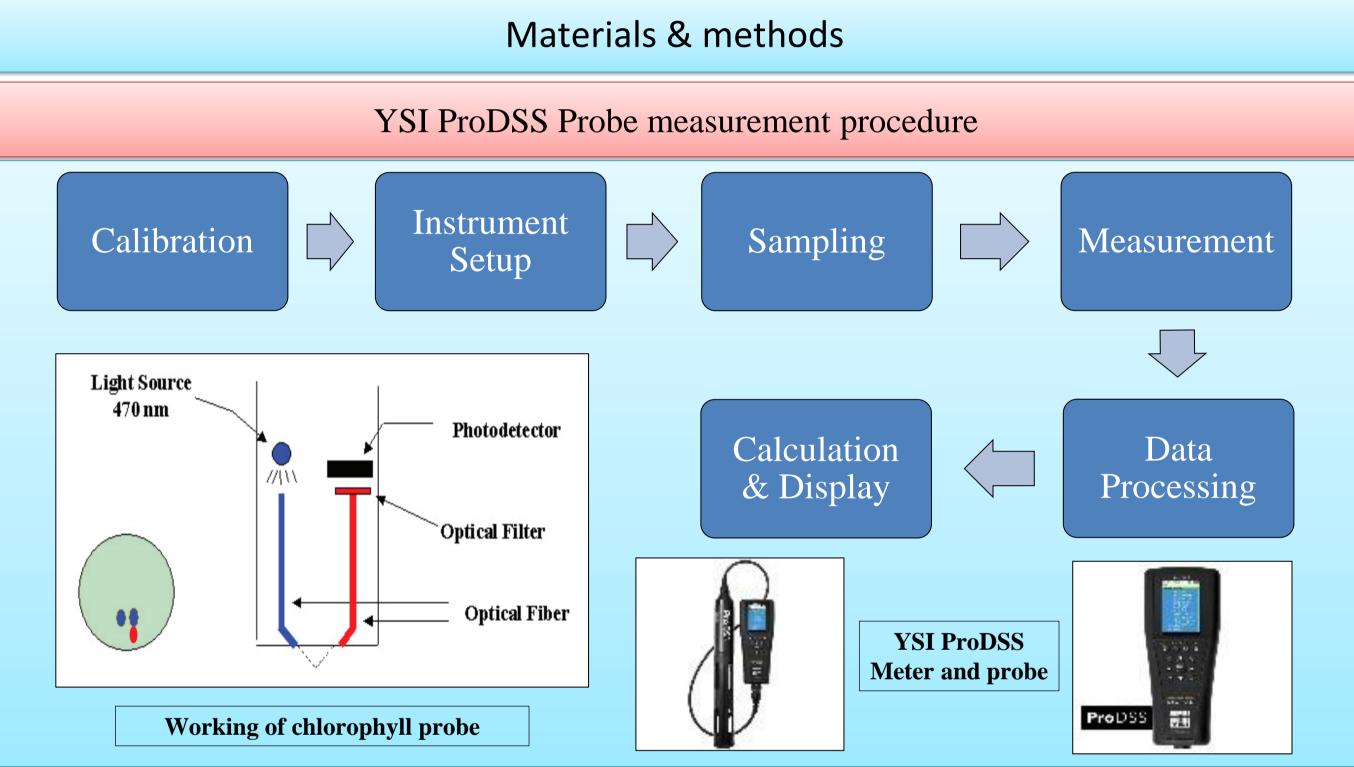
A comparative study between YSI ProDSS probe and fluorometric technique for Chlorophyll a measurement

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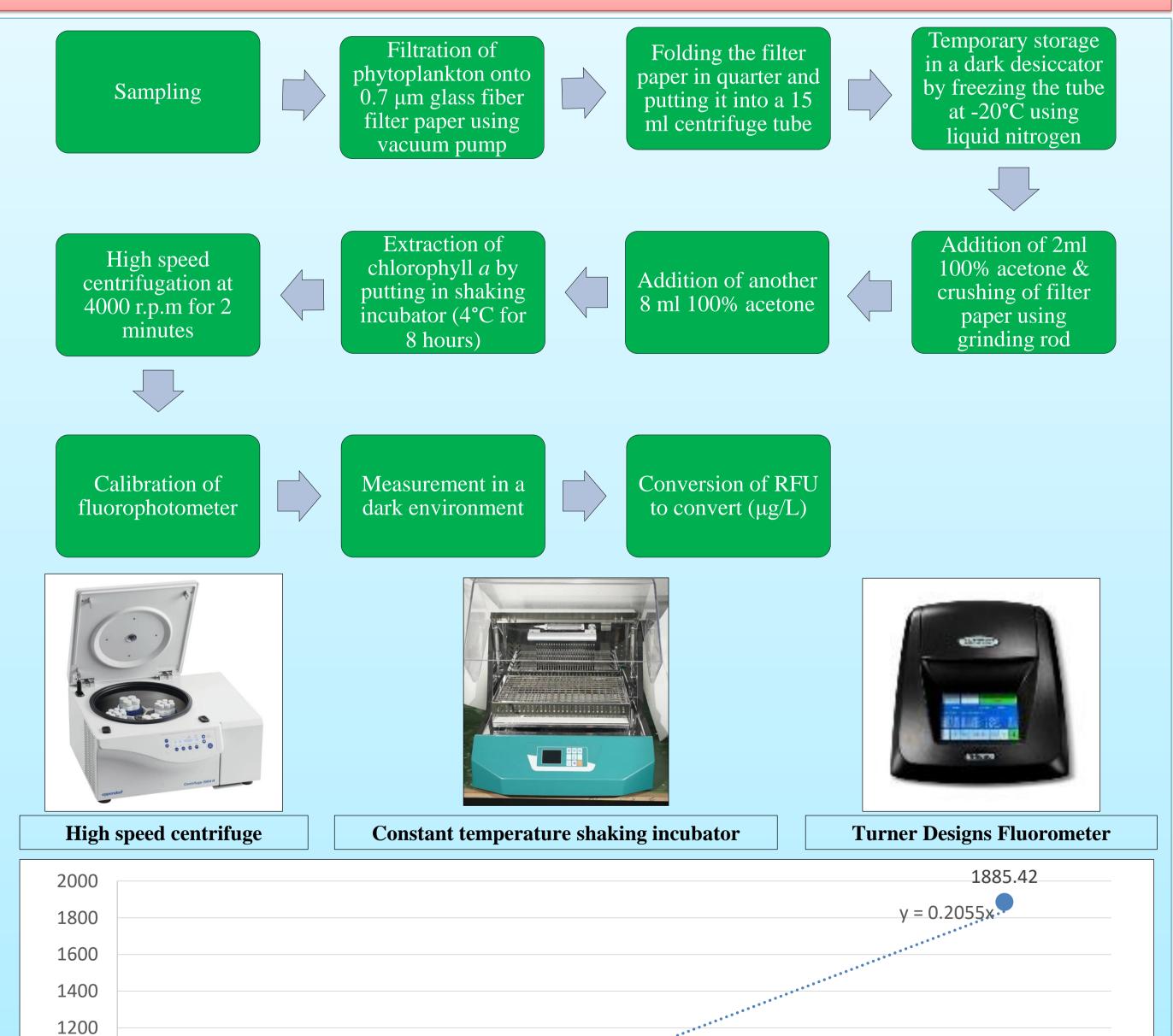




Standard fluorometer technique

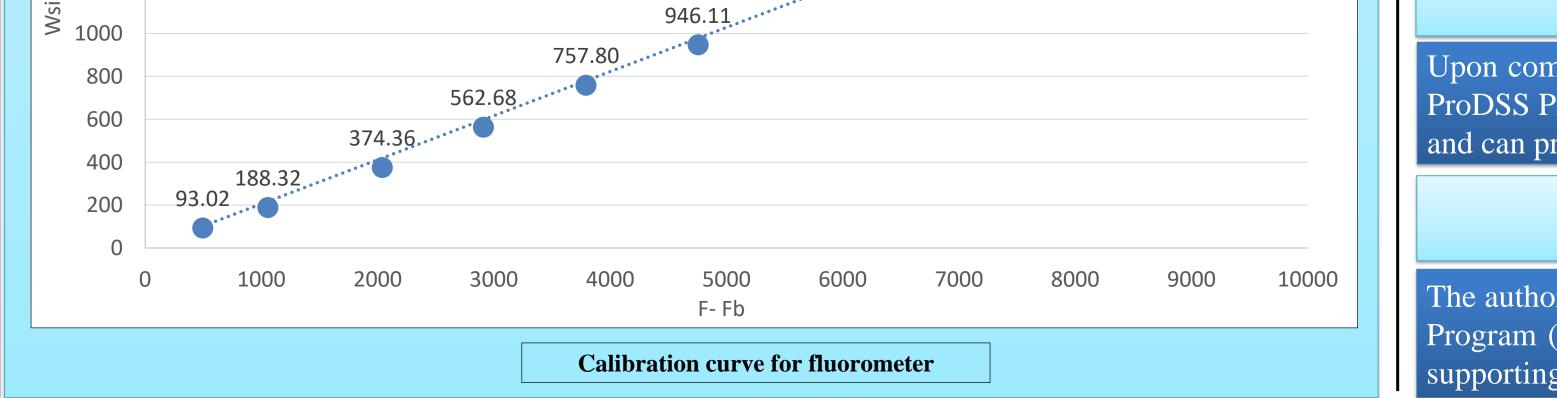
Chlorophyll *a* conc. measured using Fluorophotometer & YSI ProDSS probe

Upon removing sampling sites with error above 40% (outliers), it was found that the linearity of the data became considerably better and the accuracy also increased to 77.22%





Conclusion



Upon comparison of the two methods with the above mentioned parameters, it can be concluded that the YSI ProDSS Probe is the better choice for chlorophyll *a* measurement as it is cost effective, time saving, easy to use and can provide real time data.

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