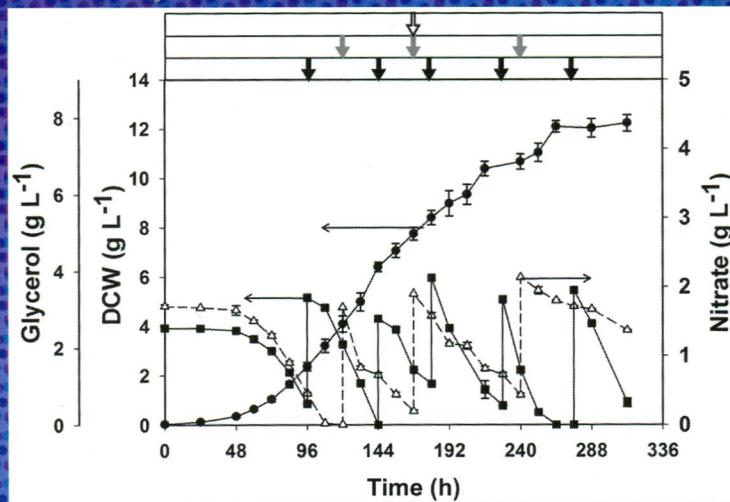


BIORESOURCE TECHNOLOGY

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Cover figure: Dry cell weight (DCW) (●) and substrate (glycerol (■), nitrate (△)) concentration profiles for fed-batch cultivation of *Cyanothece* 51142 in 100 ml ASP2 medium supplemented with 30 mM glycerol and 18 mM nitrate, under continuous illumination of 100 lmol m⁻² s⁻¹. Feeding was based on the model predicted consumption. Glycerol (black arrow) and nitrate (grey arrow) were fed at specific time points as indicated in the top panel. The medium salts (white arrow) were replenished when the dry cell weight was 7.7 g L⁻¹. Error bars depict standard error of mean for n = 3. See the article "Model based optimization of high cell density cultivation of nitrogen-fixing cyanobacteria" by S. Alagesan et al.