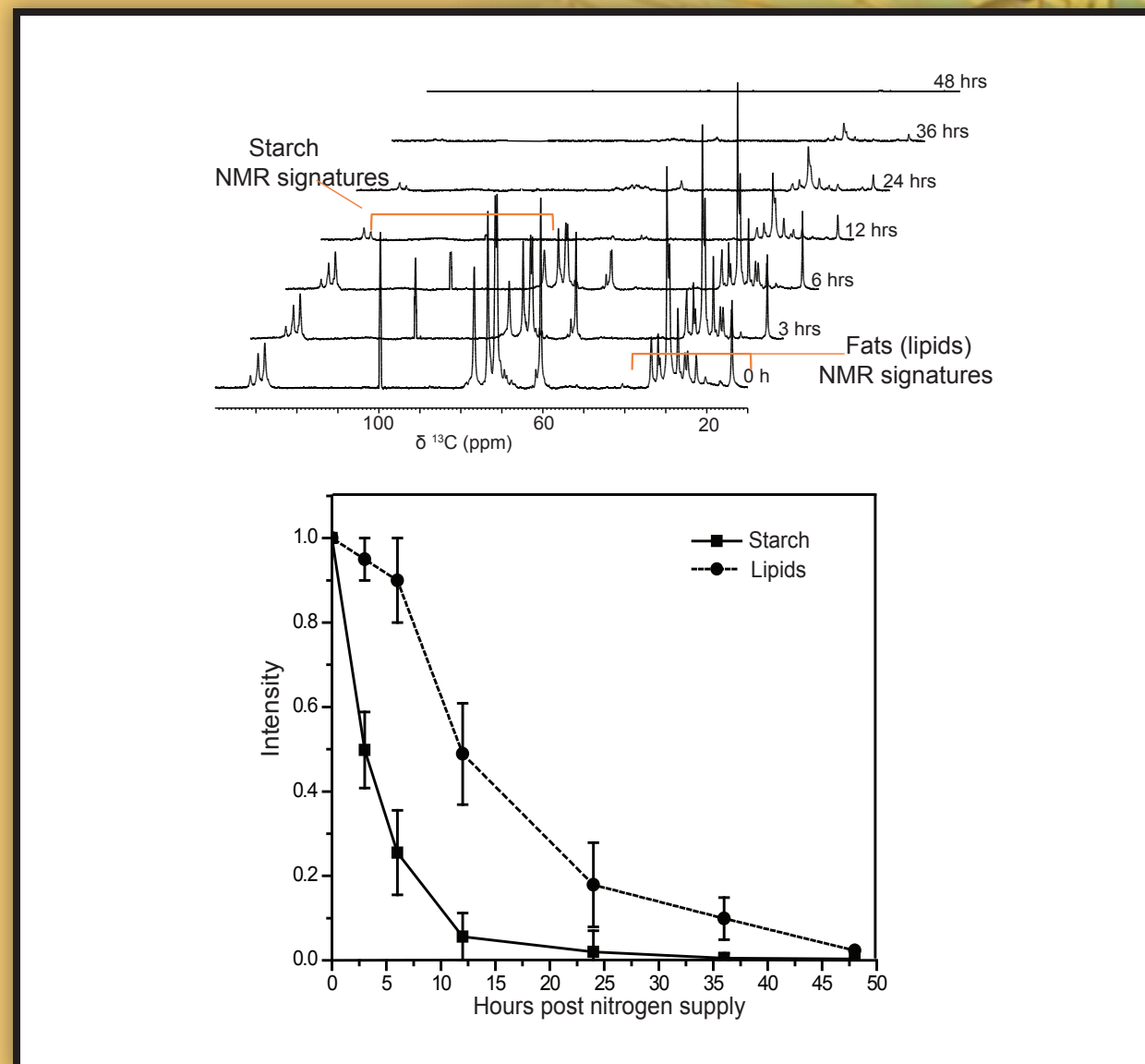


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SCIENCE



^{13}C -labelled samples of algae

Deepshikha Singh, 2016

Chemical Engineering Department | IIT Delhi

Field strength: 800 MHz

Why is this your favorite spectrum?

This simple NMR experiment concludes the dynamic carbon partitioning that occurs between starch and lipids (fats) during cell growth of algae. These cells use starch as a primary carbon and energy storage compound, and lipids become major storage products accompanied by starch degradation.