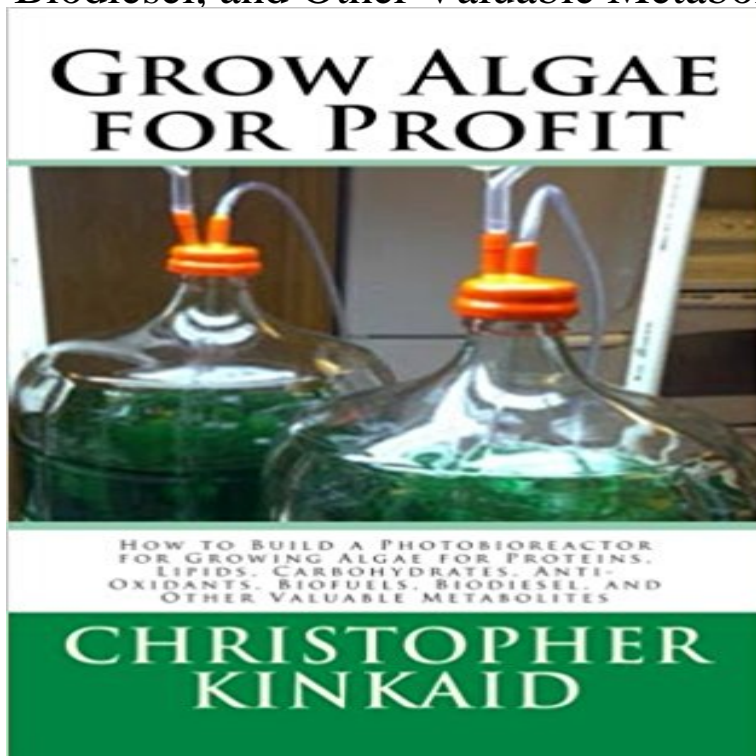


Grow Algae for Profit: How to Build a Photobioreactor for Growing Algae for Proteins, Lipids, Carbohydrates, Anti-Oxidants, Biofuels, Biodiesel, and Other Valuable Metabolites



Algae is a miracle of Nature. Rich, in Amino acids, Proteins, Lipids, Carbohydrates, Anti-oxidants, phycobiliproteins, and other valuable products, algae is being tapped as the new feedstock across industries. This Book describes how to build your own Photobioreactor to grow pure algae species (taxa). Algae, are Earth's engine to fuel the food web. As a primary producer, responsible for nearly half the oxygen production on Earth, the power of algae is being commercialized to produce valuable organic products. Build your own, Algae Photobioreactor (PBR) grow kit, to Cultivate valuable algal strains, and tap into the rapidly growing Algae Industry. Grow algae reliably, and repeatably, with Photobioreactor (PBR) Algae Grow Kits for controlled photosynthesis. Grow up to Four different Algal taxa using these 4-vessel Algae grow kits rated at 80 Liter total capacity. Complete with optical, mechanical, electrical, pneumatic, and biological systems, photobioreactors give you complete control. Growing monocultures of algae, using photobioreactors, is useful for researchers, developers, companies, universities, and those who need to cultivate Algal monocultures with purity, and minimal cost of construction. Algae, produce valuable amino-acids, proteins, carbohydrates, and essential oils (lipids) consuming water-borne pollution for nutrients. Algae species, grown with your PBR algae grow kits, enable researchers to tap algae's enormous productivity, able to double in mass in 24 hours under exponential growth phase. Algal researchers, work to develop protocols for increased production. Growing algae converts water, inorganic compounds (CO₂), and solar radiation into valuable organic molecules. This eBook is written as a resource for building your own photobioreactor, and growing valuable algal strains. This Book is written, as a

resource for researchers, to construct an effective bioreactor, rated at 80 Liters, for growing algae monocultures. Isolated from contamination, these photobioreactors, offer the researcher total control of all inputs, and thermodynamic conditions, to grow a specific monoculture algal strain. Grow Algae for Profit, using photobioreactors, to produce useful quantities of pure species (taxa). Grow Algal Biomass, for your experiments, or for sale, with this easy-to-build Photobioreactor.

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