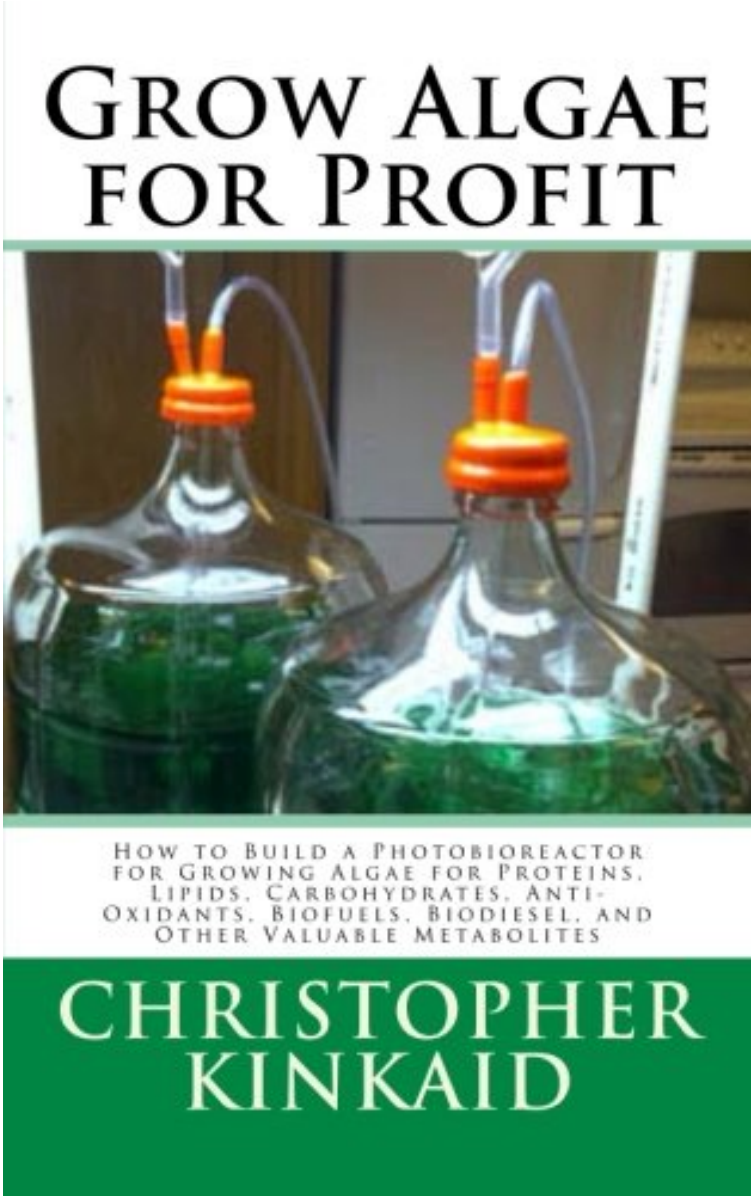
Grow Algae for Profit: How to Build a Photobioreactor for Growing Algae for Proteins, Lipids, Carbohydrates, Anti-Oxidants, Biofuels, Biodiesel, and Other Valuable Metabolites

Christopher Kinkaid



#1175502 in Books Christopher Kinkaid 2014-07-13Original language:EnglishPDF # 1 8.00 x .17 x 5.00l, .18 #File Name: 150048545474 pagesGrow Algae for Profit How to Build a Photobioreactor for Growing Algae for Proteins Lipids Carbohydrates Anti Oxidants Biofuels Biodies | File size: 45.Mb

Christopher Kinkaid : Grow Algae for Profit: How to Build a Photobioreactor for Growing Algae for Proteins, Lipids, Carbohydrates, Anti-Oxidants, Biofuels, Biodiesel, and Other Valuable Metabolites before purchasing it in order to gage whether or not it would be worth my time, and all praised Grow Algae for Profit: How to Build a Photobioreactor for Growing Algae for Proteins, Lipids, Carbohydrates, Anti-Oxidants, Biofuels, Biodiesel, and Other Valuable Metabolites:

1 of 1 people found the following review helpful. First- book contains good information for folks new to growing algaeBy warren k lightOk, wow.First- book contains good information for folks new to growing algae, as I am.i gotta say that it's a difficult read. Paragraphs repeat, misspellings, and a strange over-use of quotation marks where at times "every" "other" "word" "is" "surrounded" "by" "quotation" "marks"."Literally"Book would have been half as many pages except for paragraphs that repeat using different verbiage, sometimes one after the other.I like the reactor design better than the fish tank style tho...2 of 2 people found the following review helpful. This is an instruction manual for a kit that is for sale somewhere.By CLINT B LECLAIRThe material was cut and paste in several places. The info was superficial and very generalized with what appeared to be some history and formulas thrown in at the end as an afterthought. I was hoping for so very much more. I even wish I could request my money back, even if only to compensate me for the time I wasted giving this book a fair shot.4 of 4 people found the following review helpful. Its good for a person who has no idea about algae ...By Dr. Meenakshi BanerjeeIts good for a person who has no idea about algae or algal biofuels. Written in a very lucid manner and easy to understand but has all the scientific details in place. I liked it.

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 Earths 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 reliability, 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 algaes 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, in-organic compounds (CO_2), 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.

About the AuthorChristopher (Toby) Kinkaid, originally from Portland, Oregon is the founder of Solardyne.com, SolarQuote.com, and AlgaeToday.com, and has worked in clean energy technology for over three decades. Kinkaid, is the inventor of the Helyx Vertical Axis Wind Generator, the Mariposa Non-imaging solar concentrator PV module (continuous operation at Sandia National Laboratory since 1994), the Solar Demultiplexer optical solar concentrating lens (Dr. James/Sandia National Laboratory 1991), and the inventor of the original Solar Power Pack (Mother Earth News, Littlest Utility June/July, 2001). Kinkaid, has been an official lecturer and presenter on clean energy technology around the world including APEC, Bangkok, Thailand, 2003, Energy Solutions World, Tokyo, Japan, 2003, The International Biomass Conference (IBC), 2010, Minneapolis, MN, and the Algal Biomass Organization (ABO) Conference, 2010, Phoenix, AZ. Kinkaid, has appeared in interviews on KOIN TV, KGW TV, and Sustainable Today produced in Oregon. Kinkaid, has served on the board of directors for the National Hydrogen Association, in Washington D.C., 1993, and the Japan Satellite Communications Company (JCNET), Fukuoka, Japan, 1994-95. Kinkaid, served on the board of directors for Algaedyne Corporation, Preston, MN, 2010-2013. Kinkaid, presently serves as CEO of Solardyne, LLC in Portland, Oregon. Christopher Kinkaid is based on the West Coast, and continues his work in Solar, Wind, and Biomass applications, research, and development in Portland, Oregon.