

GENERALIA

Editorial remarks. Supplying our planet with energy is a process which soon will have to contend with the fact that solar energy is the sole, inexhaustible and regenerable energy source we have. Of course, the numerous technologies devoted to tapping the sun's energy cannot all be valued equally. For this reason, we are pleased that our coordinator, Professor R. Bachofen, has succeeded in bringing together in the following review such multifaceted and critical examinations of how solar energy can be gained from biological systems. The exploitation of conventional fuels – oil, coal, natural gas, uranium – will lead, irrevocably, to the exhaustion of these resources in the next century – if not in the coming decades. True, there are those who see little advantage in expending major efforts to develop solar energy programs when 'the more efficient and simple answer to all energy problems lies in nuclear fusion'. We disagree. Ecological and economic considerations not only justify, they make mandatory intensified research on solar energy – it is this work which will force practical breakthroughs in the generation and harnessing of power for the future. H.M.

New trends in research and utilization of solar energy through biological systems

Table of contents

Introduction

D.O. Hall: Solar energy through biology: fuels from biomass

Part 1

Higher plants as energy converters

S.H. Wittwer: Solar energy and agriculture

E.S. Lipinsky and S. Kresovich: Sugar crops as a solar energy converter

M. Calvin, E.K. Nemethy, K. Redenbaugh and J.W. Otvos: Plants as a direct source of fuels

F. Schwarzenbach and T. Hegetschweiler: Wood as biomass for energy: result of a problem analysis

N.W. Pirie: Leaf protein as a food source

Algae and water plants as energy converters

H.A. Wilcox: The ocean as a supplier of food and energy

S. Aaronson and Z. Dubinsky: Mass production of microalgae

C. Santillan: Mass production of *Spirulina*

T.G. Tornabene: Microorganisms as hydrocarbon producers

R. Bachofen: The production of hydrocarbons by *Botryococcus braunii*

A. Ben-Amotz, I. Sussman and M. Avron: Glycerol production by *Dunaliella*

Biological photoproduction of hydrogen and ammonia

M.G. Guerrero, J.L. Ramos and M. Losada: Photosynthetic production of ammonia

H. Bothe: Hydrogen production by algae

H. Zürrer: Hydrogen production by photosynthetic bacteria

Part 2

Conversion of biomass to fuel and chemical raw material

B. A. Stout: Agricultural biomass for fuel

J. Wiegel: Ethanol from cellulose

K. E. Erikson: Degradation of cellulose

T. Higuchi: Biodegradation of lignin: biochemistry and potential applications

J.-P. Kaiser and K. Hanselmann: Aromatic chemicals through anaerobic microbial conversion of lignin monomers

K. Hanselmann: Lignochemicals

The formation of methane from biomass – ecology, biochemistry and applications

R. E. Hungate: Methane formation and cellulose digestion, biochemical ecology and microbiology of the rumen system

K. Wuhrmann: Ecology of methanogenic systems in nature

R. S. Wolfe: Biochemistry of methanogenesis

J. T. Pfeffer: Engineering, operation and economics of methane gas production

P. N. Hobson: Biogas production from agricultural wastes

M. Gandolla, E. Grabner and R. Leoni: Possibilities of gas utilization with special emphasis on small sanitary landfills

Future systems?

O. Ghisalpa and F. Heinzer: Methanol from methane – a hypothetical microbial conversion compared with the chemical process

P. Cuendet and M. Grätzel: Artificial photosynthetic systems

Concluding remarks

This is the final half of a 2 part review on bioenergy, part 1 of which appeared in the January issue of Experientia, pp. 1–66.

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