

CONTENTS

Chapter 1	1
PRODUCT OUTLOOK AND TECHNICAL FEASIBILITY OF SCP	
Chapter 2	24
SINGLE-CELL PROTEIN FOR HUMAN CONSUMPTION - AN OVERVIEW	
Chapter 3	46
FERMENTOR DESIGN	
Chapter 4	69
CELL COLLECTION:	
Chapter 5	105
SCP IN SUBMERGED CULTURES	
Chapter 6	127
INSOLUBLE SUBSTRATE AND OXYGEN TRANSPORT IN HYDROCARBON FERMENTATION	
Chapter 7	158
REMOVAL OF NUCLEIC ACIDS IN SCP	
Chapter 8	179
PROTEIN EXTRACTION AND RECOVERY FROM MICROBIAL CELLS	
Chapter 9	208
PRODUCTION OF SCP IN ISRAEL	
Chapter 10	223
PRODUCTION OF FUNGAL PROTEIN FROM CAROB (<u>CERATONIA SILIQUA L.</u>)	
Chapter 11	244
PRODUCTION OF SINGLE-CELL PROTEIN FROM INSOLUBLE AGRICULTURAL WASTES BY MESOPHILES	

Chapter 12	263
CONVERSION OF INSOLUBLE AGRICULTURAL WASTES TO SCP BY THERMOPHILIC MICROORGANISMS	
Chapter 13	273
UTILIZATION OF CANE AND COFFEE PROCESSING BY-PRODUCTS AS MICROBIAL PROTEIN SUBSTRATES	
Chapter 14	314
THE GROWTH OF MICROFUNGI ON CARBOHYDRATES	
Chapter 15	330
ECONOMIC ANALYSIS OF ULTRAFILTRATION – FERMENTATION PLANTS PRODUCING WHEY PROTEIN AND SCP FROM CHEESE WHEY	
Chapter 16	344
THE PEKILO PROCESS: PROTEIN FROM SPENT SULFITE LIQUOR	
Chapter 17	357
SCP PRODUCTION FROM METHANE	
Chapter 18	370
SCP PRODUCTION FROM METHANOL: BACTERIA	
Chapter 19	385
STUDIES OF BIOMASS PRODUCTION OF METHANOL OXIDIZING BACTERIA	
Chapter 20	402
SCP PRODUCTION FROM METHANOL BY YEAST	
Chapter 21	424
GAS – OIL AS A SUBSTRATE FOR SINGLE – CELL PROTEIN PRODUCTION	
Chapter 22	438
THE PRODUCTION OF YEAST FROM n-PARAFFINS	
Chapter 23	454
SEMT – COMMERCIAL STUDIES OF A PETROPROTEIN PROCESS BASED ON n-PARAFFINS	

Chapter 24	467
PRODUCING <u>SPIRULINA</u> WITH CO ₂	
Chapter 25	475
SOME RESULTS OF SCP MEDICO – BIOLOGICAL INVESTIGATIONS	
Chapter 26	484
GUIDELINES FOR THE EVALUATION OF SCP FOR HUMAN CONSUMPTION	
Chapter 27	491
VALUE OF SCP FOR ANIMALS	
Chapter 28	505
ANIMAL FEEDING TRIALS WITH A MICROFUNGAL PROTEIN	
Chapter 29	545
BIOLOGICAL EFFECTS OF SULFITE WASTE LIQUOR COMPONENTS FOR SWINE	
Chapter 30	553
EFFECT OF PROCESSING ON THE NUTRITIVE VALUE OF <u>SACCHAROMCES</u> <u>CEREVISIAE</u> , <u>SCENEDESMUS OBLIQUUS</u> , AND <u>SPIRULINA PLATENSIS</u> MEASURED BY PROTEIN SYNTHESIS <u>IN VITRO</u> IN RAT SKELETAL MUSICE	
Chapter 31	564
CLINICAL STUDIES ON THE NUTRITIONAL VALUE OF SINGLE-CELL PROTEINS	
Chapter 32	587
UTILIZATION OF SINGLE – CELL PROTEIN FOR HUMAN FOOD	
Chapter 33	603
MARKETING SINGLE – CELL PROTEIN IN SOPHISTICATED MARKETS	
Chapter 34	612
MARKETING SCP IN LOW – INCOME COUNTRIES:	
Chapter 35	321
ROLE OF THE INTERNATIONAL AGENCIES	

Appendix	627
GUIDELINES AND STATEMENTS OF THE PROTEIN ADVISORY GROUP OF THE UNITED NATIONS SYSTEM	
Subject Index	675
Name Index	701