



THE NEW ZEALAND
INSTITUTE OF FOOD SCIENCE
& TECHNOLOGY INC

NZIFST TALK

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TAMING OF THE BREW - A-FERMATIVE ACTION FROM LAST CENTURY

JOHN BROOKS FNZIFST

IN THIS TALK, I WILL DISCUSS THE EARLY DAYS OF SINGLE-CELL PROTEIN RESEARCH FROM MY OWN EXPERIENCE AT ICI AND LATER AT SYDNEY UNIVERSITY. THE INITIAL DRIVERS WERE A PERCEPTION THAT THE WORLD WAS GOING TO BE SHORT OF PROTEIN AND THAT INDUSTRIAL FERMENTATION COULD FILL THAT VOID.

MY PRESENTATION WILL INCLUDE A FEW PHOTOGRAPHS AND A DISCUSSION OF SOME OF THE MASSIVE PROBLEMS WE HAD TO OVERCOME TO BRING OUR RESEARCH TO THE PRODUCTION STAGE. I WILL ALSO VERY BRIEFLY COVER THE ECONOMIC ASPECTS OF PROTEIN PRODUCTION THAT MAY STILL BE RELEVANT TODAY.



DATE: 27TH APRIL 2023

TIME: 5:15 PM

LOCATION: Presentation Lab-RC 2.43
Riddet complex, Massey University

Registration: Via NZIFST website

COST: GOLD COIN DONATION

SPEAKER DETAILS

John Brooks FNZIFST

John graduated from Queen Elizabeth College, London University, and was immediately appointed as an Experimental Officer at ICI Agricultural Division in Billingham, Teesside. He was assigned to the Research and Development department, which had begun to develop a process to produce Single-Cell Protein.

The overall objective was to produce protein from bacteria in the most economical way. John was tasked with investigating the effect of dilution rate (growth rate) on growth yield and later to simulate the industrial fermenter operation.

He is now a private microbiology consultant.

