

Biosketch Finlay MacRitchie

Finlay MacRitchie was a Professor in the Department of Grain Science & Industry, Kansas State University from 1997-2009. He is presently Professor Emeritus in that department. Prior to this, he was a Research Scientist in the Commonwealth Scientific and Industrial Research Organization (CSIRO) of Australia.

He has spent short periods of time as Visiting Professor at the University of Chile and the Federal University of Rio de Janeiro, Brazil; and as Senior Research Fellow at the Wageningen University, Netherlands; the University of Paris V; the University of Lund, Sweden; and the University of Tuscia, Viterbo, Italy.

He has published over 150 papers in refereed journals and four books: Chemistry at Interfaces (Academic Press, 1990); Concepts in Cereal Chemistry (Taylor and Francis Group, 2010); Scientific Research as a Career (Taylor and Francis Group, 2011); and The Need for Critical Thinking and the Scientific Method (Taylor and Francis Group, 2018).

Professor MacRitchie's awards include the F.B Guthrie Medal of the Cereal Division of the Royal Australian Chemical Institute and the Thomas Burr Osborne Medal and George W. Scott Blair Memorial Award of the American Association of Cereal Chemists (now AACC International). He has been included in a list of the top 2% of researchers in the world, according to a 2020 study done by Stanford University.

He has been a member of the Editorial Boards of Advances in Colloid and Interface Science, Cereal Chemistry and Journal of Cereal Science and was Editor-in-Chief of Journal of Cereal Science and was Editor-in-Chief of Journal of Cereal Science until 2018.

Areas of Research / Professional Expertise

Colloid and interface science

Monomolecular films

Adsorption and properties of proteins at interfaces

Physical processes and chemical reactions at interfaces

Grain/cereal science

Chemical composition of cereal grains

Analysis and properties of cereal proteins and lipids

Relation of cereal components to product quality

Strategies for improving cereal quality based on genetics and chemical composition

Personal Interests

Philosophy of the scientific method

Music, reading

Current affairs and politics

Travel

Sport (Australian rules football and cricket in youth, spectator at present)

Writing (research publications during career, author of books in recent times)

Books

The Need for Critical Thinking and the Scientific Method

Scientific Research as a Career

Concept in Cereal Science

Chemistry at Interfaces