

ADEM KILICMAN

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EXPERTISE

Professor Dr. Adem Kilicman is a professor in the Department of Mathematics at University Putra Malaysia. His research interest includes Functional Analysis and Topology, Integral transforms, Special functions and differential equations. He has published several papers in national and international journals. He is an active member also in several activities in the department and Institute of mathematical research (INSPEM). He has also been active in research and successfully completed several research projects (IRPA, ScienFund and FRGS). He is also member of editorial board of the several international journals and co editors of several proceedings. Recently is head of the programme of Functional Analysis and topology in Theoretical Laboratory, of INSPEM and a reviewer for American Mathematical Society as well as reviewer for Zentralblatt Mathematik (Germany).

Current Research Interest

- **Distributions and operations**

Distributions also known as generalized functions are objects which generalize functions and probability distributions. They allow us to extend the concept of derivative to all continuous functions and are used to formulate generalized solutions of partial differential equations.

- **Covering properties in topological spaces**

Since compactness is a very important property in topology and analysis it is worth to study carefully, thus mathematician studied it widely. In compact spaces one deals with open covers to get a finite subcover, e.g. A space is compact if every open cover of the space has a finite subcover.

Later compactness was generalized to countable compactness that is A space is countably compact if every countable open cover of has a finite subcover and the idea of Lindelof property came later by dealing with open covers to get countable subcover.

LINK TO POSTGRADUATE FIELD OF STUDY:

Analytical and Structural Mathematics, Financial Mathematics, Pure Mathematics

ADDITIONAL INFORMATION: