Curriculum Vitae

Name: Dalal Ghanim Fahad Al Ghanim
Title: Assistant Professor in Actuarial and Financial Mathematics,
King Saud University
Email: Dalghanem@ksu.edu.sa

Education

- PhD in Actuarial and Financial Mathematics, The university of Manchester, U.K. 2020.
- MSc in Financial Mathematics, The university of Manchester, U.K. 2014.
- MSc in Mathematics, Functional Analysis, King Saud University, Riyadh 2011.
- BSc in Mathematics, King Saud University, Riyadh.

Research Interests

- Optimal control problems in insurance and finance.
- Financial Mathematics.
- Insurance Mathematics.

Awards and Grants

- Scholarship from King Saud University August 2012-December 2020.
- Nag Prize, MSc in Financial Mathematics, the University of Manchester, U.K. 2014.
- Second class honours, MSc in Mathematics, Functional Analysis, King Saud University, Riyadh, Saudi Arabia, 2011.
- First class honors, BSc in Mathematics, King Saud University, Riyadh.

Work experiences

- Member in Actuarial and Financial Mathematics program (AFMP) committee-Mathematics Department-KSU, 2021-Now.
- Coordinator of academic accreditation of AFMP program in female students' branch, 2021-Now.

- Member in Financial and Actuarial Studies Research Chair (FASRC)-KSU, 2021-Now.
- Chairperson of activities and specialized training courses committee in FASRC-KSU, 2021-Now.
- Chairperson in FASRC-seminar titled “The insurance sector in KSA and some future challenges”-February 2023.
- Member in organizing FASRC participation in the “6^{th} Saudi Insurance Symposium”-September 2022.
- Supervising students in their internship with many different companies in financial and insurance sectors.
- Member in organization committee in collaboration with SDAIA to provide a training course about Artificial intelligence in Actuarial Science, 2023-2024.
- Assistant Professor in Mathematics, King Saud University, 2021-Now.
- Lecturer in Mathematics, King Saud University 2017- 2021.
- Teacher assistant for the subject “Stochastic control with applications to finance”, the University of Manchester, U.K. in 2017 and 2018.
- Teacher assistant in Mathematics, King Saud University, from 2009 -2017.

Conferences and Workshops

I attended conferences and workshops, the most important of which are:

- Participation with talk, “ICES2023, International Conference & Exhibition for Science”-KSU.
- 6^{th} Saudi Insurance Symposium”-September 2022-Riyadh.
- Easter school on quantification and management of risk, The University of Liverpool, U.K. 18-21st April 2017.
- Risk institute spring school, The University of Liverpool, U.K. 21-24th March 2018.
- Participation with paper and talk, “41st Research student’s conference in probability and statistics”, The University of Sheffield, U.K. 24-27th July 2018.

- Participation with paper and talk, “Probability in the north east (PINE)”, the University of Manchester, U.K. 12th September 2018.

Publications

- “Optimal control of taxation for spectrally negative Levy processes”. PhD Thesis, The university of Manchester, 2020.
- “Perpetual convertible bonds with credit risk”. MSc dissertation, The university of Manchester, 2014.
- “Quasi-linearity and pseudo-linearity problem for C*-algebras”. MSc dissertation, King Saud University, 2011.
- The equivalence of two tax processes. Insurance: Mathematics and Economics 2020, Vol. 90, 1-6, with Loeffen, R.L. and Watson, A.