

CURRICULUM VITAE

PERSONAL DATA

Name	Fehaid Salem Alshammari
Nationality	Saudi
Position	ASSOCIATE PROFESSOR
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Phone	+966550509374

EDUCATION

Year	Academic Degree	Institution
2016	DOCTOR OF PHILOSOPHY in Applied Mathematics	Queensland University of Technology, Brisbane, Australia.
2010	MASTER OF APPLIED MATHEMATICS with distinction	The University of Wollongong, Australia.
2007	BACHELOR OF MATHEMATICS with high distinction	King Saud University, Saudi Arabia.

WORK EXPERIENCE

Period	Position	Address
2022- present	Vice Dean at College of Science	College of Science, Imam Mohammad Ibn Saud University Riyadh
2022	Director of Research Center at College of Science	Imam Mohammad Ibn Saud University Riyadh
2019-2022	Vice-Dean of Postgraduate and Scientific Research	College of Science, Imam Mohammad Ibn Saud University Riyadh
2017-2019	Head of Mathematics and Statistics Department	College of Science, Imam Mohammad Ibn Saud University Riyadh
2018-2020	Vice-Dean of Volunteer Work Studies Deanship	Imam Mohammad Ibn Saud University Riyadh

2016-2018	General Manger of Studies and Information Center	Imam Mohammad Ibn Saud University Riyadh
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RESEARCH INTERESTS

ORDINARY DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS (DYNAMICAL SYSTEMS), PARTIAL DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS, MODELLING AND SIMULATIONS, WOUND HEALING MODELING, CORNEAL OXYGENATION MODELING

PUBLICATIONS

- Fehaid Salem Alshammari, "A Mathematical Model to Investigate the Transmission of COVID-19 in the Kingdom of Saudi Arabia", Computational and Mathematical Methods in Medicine, vol. 2020, Article ID 9136157, 13 pages, 2020.
<https://doi.org/10.1155/2020/9136157>. (ISI-Q3)
- Fehaid Salem Alshammari, "Numerical Analysis and Entropy Generation of Electrokinetic Flow of Power-Law Fluid in a Microtriangular Prism", Mathematical Problems in Engineering, vol. 2020, Article ID 3085162, 15 pages, 2020.
<https://doi.org/10.1155/2020/3085162>. (ISI-Q3)
- Fehaid Salem Alshammari; F. Talay Akyildiz, "Pseudo spectral solution of extended Graetz problem for combined pressure-driven and electroosmotic flow in a triangular micro-duct", Computers & Mathematics with Applications, 2020. (ISI-Q1)
- Muhammad Awais, Fehaid Salem Alshammari, "Modeling and simulation of the novel coronavirus in Caputo derivative", Results in physics, 2020. (ISI-Q1)
- Fehaid Salem Alshammari, Muhammad Atlaf Khan "Dynamic behaviors of a modified SIR model with nonlinear incidence and recovery rates", Alexandria Engineering Journal, 2021. (ISI-Q2)
- Akyildiz, F.T., Alshammari, F.S. Complex mathematical SIR model for spreading of COVID-19 virus with Mittag-Leffler kernel. Adv Differ Equ 2021, 319
<https://doi.org/10.1186/s13662-021-03470-1>, 2021 (ISI-Q1)
- Fehaid Salem Alshammari, F. Talay Akyildiz, "Global Stability for Novel Complicated SIR Epidemic Models with the Nonlinear Recovery Rate and Transfer from Being Infectious to Being Susceptible to Analyze the Transmission of COVID-19", Journal of Function Spaces, vol. 2021, Article ID 5207152, 13 pages,<https://doi.org/10.1155/2021/5207152> 2021 (ISI-Q1)

- Alshammari, Fehaid S., and Ezgi A. Tezcan "Exploring Radial Kernel on the Novel Forced SEYNHRV-S Model to Capture the Second Wave of COVID-19 Spread and the Variable Transmission Rate" Mathematics 10, no. 9: 1501.
<https://doi.org/10.3390/math10091501>, 2022 (ISI-Q1)