

# السيرة الذاتية

## بيانات شخصية

**الإسم الثلاثي :** عبد العزيز مختار فول

**الجنسية :** جزائري.

**العنوان :** قسم الإحصاء و بحوث العمليات - كلية العلوم - جامعة الملك سعود-

ص.ب 2455 - الرياض - المملكة العربية السعودية.

**هاتف العمل :** 966-1-4676330

**البريد الإلكتروني :** abdefoul@ksu.edu.sa

## المؤلفات العلمية :

**باكالوريوس** بحوث العمليات - جامعة الجزائر 1980.

**ماجستير** بحوث العمليات - جامعة رنسلير-نيويورك-الولايات المتحدة الأمريكية 1982.

**دكتوراه** بحوث العمليات - جامعة رنسلير-نيويورك-الولايات المتحدة الأمريكية 1987.

## الخبرات العملية :

**معيد** بقسم الرياضيات- جامعة رنسلير-نيويورك-الولايات المتحدة الأمريكية 1982-

1987.

**أستاذ مساعد** بقسم الرياضيات- كلية العلوم- جامعة الجزائر 1988- 1989

**أستاذ مشارك** بقسم الإحصاء و بحوث العمليات - كلية العلوم- جامعة الملك سعود

1989 - 2011 .

**أستاذ مشارك** بقسم الإحصاء و بحوث العمليات - كلية العلوم - جامعة الملك سعود

2011 - وحتى يومنا (2026).

### **المهارات:**

**استخدام الحاسب الآلي:** حزم برامج الإحصاء و بحوث العمليات.

**اللغات:** عربي - إنجليزي - فرنسي .

### **المعرفون:**

**عبد الرحمن أبو عمه** - أستاذ دكتور في الإحصاء

قسم الإحصاء و بحوث العمليات - كلية العلوم - جامعة الملك سعود -

ص.ب 2455 - الرياض 11451 - المملكة العربية السعودية

البريد الإلكتروني : [abuammoh@ksu.edu.sa](mailto:abuammoh@ksu.edu.sa)

**جوزيف اكر** - أستاذ دكتور في بحوث العمليات - جامعة رنسلير-نيويورك-الولايات المتحدة

الأمريكية

البريد الإلكتروني : [eckerj@rpi.edu](mailto:eckerj@rpi.edu)

## البحوث العلمية خلال الثلاثة سنوات الأخيرة:

<input type="checkbox"/>	TITLE	CITED BY	YEAR
<input type="checkbox"/>	Analysis of thermoelastic behavior of porous cylinders with voids via a nonlocal space-time elastic approach and Caputo-tempered fractional heat conduction AE Abouelregal, Ö Civalek, B Akgöz, <b>A Foul</b> , SS Askar Mechanics of Time-Dependent Materials 29 (2), 1-32	9	2025
<input type="checkbox"/>	Advanced thermoelastic analysis of materials with voids using Caputo-tempered fractional derivatives in the dual-phase lag framework AE Abouelregal, M Marin, <b>A Foul</b> , SS Askar Archives of Civil and Mechanical Engineering 25 (4), 166	7	2025
<input type="checkbox"/>	Spatiotemporal Nonlocal Thermoelastic Model with Caputo-Tempered Fractional Derivatives for Infinite Thermoelastic Porous Half-Space with Voids AE Abouelregal, M Marin, <b>A Foul</b> , S S Askar Journal of Computational Applied Mechanics 56 (2), 276-295	4	2025
<input type="checkbox"/>	Nonlocal micropolar thermoelastic half-space: a higher-order model incorporating phase lags and nonlocal effects in space and time AE Abouelregal, M Marin, <b>A Foul</b> , SS Askar Applied Physics A 131 (4), 248	8	2025
<input type="checkbox"/>	Thermoelastic modeling of functionally graded materials with cylindrical cavities utilizing higher-order fractional heat transfer models incorporating time delays AE Abouelregal, ME Elzayady, M Marin, <b>A Foul</b> , SS Askar Continuum Mechanics and Thermodynamics 37 (2), 31	9	2025
<input type="checkbox"/>	Numerical approach of Casson nanofluid with heat and mass transfer amplification over the cone: combined cross-diffusion with Brownian and thermophoresis impacts P Supriya, B Pullepu, R Senthil, SS Santra, S Nandi, SS Askar, <b>A Foul</b> Colloid and Polymer Science 303 (3), 427-442	9	2025
<input type="checkbox"/>	Space-time non-local analysis of a porous thermoelastic hollow cylinder using a heat conduction model featuring a Goufo-Caputo two-parameter fractional derivative with phase lags AE Abouelregal, M Marin, <b>A Foul</b> , SS Askar Boundary value problems 2025 (1), 29	10	2025
<input type="checkbox"/>	Influence of moving heat sources on thermoviscoelastic behavior of rotating nanorods: a nonlocal Klein–Gordon perspective with fractional heat conduction AE Abouelregal, M Marin, A Foul, SS Askar Boundary Value Problems 2025 (1), 10	10	2025
<input type="checkbox"/>	Thermomagnetic transient analysis of an infinitely long transverse isotropic annular cylinder using the MGT fractional heat conduction model with a non-singular kernel AE Abouelregal, M Marin, SS Askar, <b>A Foul</b> Journal of Vibration Engineering & Technologies 12 (Suppl 1), 557-572	17	2024
<input type="checkbox"/>	A generalized refined Moore–Gibson–Thompson thermoelastic model based on the concept of memory-dependent higher-order derivatives AE Abouelregal, M Marin, <b>A Foul</b> , SS Askar Case Studies in Thermal Engineering 63, 105291	9	2024

<input type="checkbox"/>	Correction: Heat and mass transfer in double-diffusive mixed convection of Casson fluid: biomedical applications P Bathmanaban, EP Siva, SS Santra, SS Askar, <b>A Foul</b> , S Nandi Colloid & Polymer Science 302 (11), 1855-1855	1	2024
<input type="checkbox"/>	A new thermo-optical system with a fractional Caputo operator for a rotating spherical semiconductor medium immersed in a magnetic field AE Abouelregal, M Marin, SS Saskar, <b>A Foul</b> Engineering Computations 41 (8/9), 2026-2053	4	2024
<input type="checkbox"/>	Exploring bistable plankton dynamics: stochastic model analysis by SSF techniques B Mondal, A Sarkar, SS Santra, SS Askar, <b>A Foul</b> The European Physical Journal Plus 139 (10), 921	1	2024
<input type="checkbox"/>	Heat and mass transfer in double-diffusive mixed convection of Casson fluid: biomedical applications P Bathmanaban, EP Siva, SS Santra, SS Askar, <b>A Foul</b> , S Nandi Colloid and Polymer Science 302 (10), 1635-1669	7	2024
<input type="checkbox"/>	Multiple attribute decision-making model for artificially intelligent last-mile delivery robots selection in neutrosophic square root environment M Palanikumar, C Jana, IM Hezam, <b>A Foul</b> , V Simic, D Pamucar Engineering applications of artificial intelligence 136, 108878	12	2024
<input type="checkbox"/>	Thermal radiation, Soret and Dufour effects on MHD mixed convective Maxwell hybrid nanofluid flow under porous medium: a numerical study J Jayaprakash, V Govindan, SS Santra, SS Askar, <b>A Foul</b> , S Nandi, ... International Journal of Numerical Methods for Heat & Fluid Flow 34 (10) ...	20	2024
<input type="checkbox"/>	Transient thermoelastic response in a semi-infinite medium subjected to a moving heat source: an implementation of the Moore–Gibson–Thompson model with higher-order memory ... AE Abouelregal, M Marin, SS Askar, <b>A Foul</b> Mechanics of Time-Dependent Materials 28 (3), 1555-1581	18	2024
<input type="checkbox"/>	Thermoviscoelastic responses in Kirchhoff circular micro-plate via MGT thermoelastic model and modified couple stress theory AE Abouelregal, M Marin, <b>A Foul</b> , SS Askar Mechanics of Solids 59 (4), 2269-2291	6	2024
<input type="checkbox"/>	A non-local fractional two-phase delay thermoelastic model for a solid half-space whose properties change with temperature and affected by hydrostatic pressure AE Abouelregal, M Marin, SS Askar, <b>A Foul</b> ZAMM-Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte ...	12	2024
<input type="checkbox"/>	A modified mathematical model for thermo-viscous thermal conduction incorporating memory-based derivatives and the Moore–Gibson–Thomson equation AE Abouelregal, M Marin, SS Askar, <b>A Foul</b> Continuum Mechanics and Thermodynamics 36 (3), 585-606	8	2024

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| <input type="checkbox"/> | <p><b>Coupled responses of thermomechanical waves in functionally graded viscoelastic nanobeams via thermoelastic heat conduction model including Atangana–Baleanu fractional derivative</b></p> <p>AE Abouelregal, M Marin, <b>A Foul</b>, SS Askar<br/>         Scientific Reports 14 (1), 9122</p>   | 21 | 2024 |
| <input type="checkbox"/> | <p><b>Thermomagnetic responses of a thermoelastic medium containing a spherical hole exposed to a timed laser pulse heat source</b></p> <p>AE Abouelregal, M Marin, <b>A Foul</b>, SS Askar<br/>         Case Studies in Thermal Engineering 56, 104288</p>   | 16 | 2024 |
| <input type="checkbox"/> | <p><b>Multiobjective trajectory optimization algorithms for solving multi-UAV-assisted mobile edge computing problem</b></p> <p>M Abdel-Basset, R Mohamed, IM Hezam, KM Sallam, <b>A Foul</b>, IA Hameed<br/>         Journal of Cloud Computing 13 (1), 35</p>   | 11 | 2024 |
| <input type="checkbox"/> | <p><b>An Extension of Root Assessment Method (RAM) Under Spherical Fuzzy Framework for Optimal Selection of Electricity Production Technologies Toward Sustainability: A Case Study</b></p> <p>IM Hezam, AM Ali, K Sallam, IA Hameed, <b>A Foul</b>, M Abdel-Basset<br/>         International Journal of Energy Research 2024 (1), 7985867</p> | 11 | 2024 |
| <input type="checkbox"/> | <p><b>Pulsed excitation heating of semiconductor material and its thermomagnetic response on the basis of fourth-order MGT photothermal model</b></p> <p>SS Askar, AE Abouelregal, <b>A Foul</b>, HM Sedighi<br/>         Acta Mechanica 234 (10), 4977-4995</p>  | 19 | 2023 |
| <input type="checkbox"/> | <p><b>Photo-thermoelasticity heat transfer modeling with fractional differential actuators for stimulated nano-semiconductor media</b></p> <p>S Askar, AE Abouelregal, M Marin, <b>A Foul</b><br/>         Symmetry 15 (3), 656</p>   | 31 | 2023 |
| <input type="checkbox"/> | <p><b>COVID-19 and rumors: A dynamic nested optimal control model</b></p> <p>IM Hezam, A Alshnanah, AA Mubarak, A Das, <b>A Foul</b>, AF Alrasheedi<br/>         Pattern Recognition 135, 109186</p>  | 13 | 2023 |
| <input type="checkbox"/> | <p><b>Evaluation of nanostructured electrode materials for high-performance supercapacitors using multiple-criteria decision-making approach</b></p> <p>IM Hezam, AM Al-Syadi, <b>A Foul</b>, A Alshamrani, J Gwak<br/>         Electronic Research Archive 31 (4), 2286-2314</p>   | 2  | 2023 |