

Personal Data

Name	Ahmed Mohamed Abdalla Adam
Department	Mathematics
Nationality	Sudanese
Date	1966
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Phone	+966501285589

Language proficiency

Language	Read	Write	Speak
Arabic	Proficient	Proficient	Proficient
English	Proficient	Proficient	Advanced

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of issue	Address
2014	Ph.D.	University of Khartoum	Sudan
2005	M.Sc.	University of Khartoum	Sudan
1994	B.Sc.(Hons)	University of Khartoum	Sudan

PhD, Master or Fellowship Research Title

PhD	Development of Spectral and Pseudospectral Methods for Solving Partial Differential Equations with time-delays
Master	Galerkin method for solving differential equations

Professional Record(Beginning with the most recent)

Job Rank	Place And Address of work	Date
Assistant Professor	Northern Border University	September 2015-
Assistant Professor	Alzaiem Alazhari University	June 2014- Sep 2015
Lecturer	Alzaiem Alazhari University	Jan 2006-June 2014

Management Position(Beginning with the most recent)

Administrative position	The disk	Date

Scientific Achievements (Published Refereed Scientific Research)

Name of Investigators	Research Title	Publisher and Date of Application
Abaker A Hassaballa, Fathea MO Birkea, Ahmed MA Adam, Ali Satty, Elzain AE Gumma, Emad AB Abdel-Salam, Eltayeb A Yousif, Mohamed I Nouh	Multiple and Singular Soliton Solutions for Space–Time Fractional Coupled Modified Korteweg–De Vries Equations	International Journal of Analysis and Applications , 22/4/2024
Ali Satty, Mohyaldein Salih, Faroug A Abdalla, Ashraf F A. Mahmoud, Elzain AE Gumma, Gamal Saad Mohamed Khamis, Ahmed MA Adam, Abaker A Hassaballa, Omer MA Hamed, Zakariya MS Mohammed	Statistical Analysis of Factors Associated with Diarrhea in Yemeni Children under Five: Insights from the 2022–2023 Multiple Indicator Cluster Survey	Journal of Epidemiology and Global Health, 1/9/2024

Ali Satty, Mohyaldein M. Y. Salih, Abaker A. Hassaballa, Elzain A. E. Gumma, Ahmed Abdallah, Gamal Saad Mohamed Khamis	Comparative Analysis of Machine Learning Algorithms for Investigating Myocardial Infarction Complications	Engineering, Technology & Applied Science Research, 8/2/2024
Abaker Hassaballa, Mohyaldein Salih, Gamal Saad Mohamed Khamis, Elzain Gumma, Ahmed M A Adam, Ali Satty	Analytical solutions of the space–time fractional Kadomtsev–Petviashvili equation using the (G'/G)-expansion method	Frontiers Media SA, 18/4/2024
Fathea MO Birkea, Ali Satty, Abaker A Hassaballa, Ahmed MA Adam, Elzain AE Gumma, Emad AB Abdel-Salam, Eltayeb A Yousif, Mohamed I Nouh	A Study on the Two Forms of (2+ 1)-Fractional Order Burgers Equation	International Journal of Analysis and Applications, 12/8/2024
Elzain AE Gumma, Abaker A Hassaballa, Fathea MO Birkea, Ahmed MA Adam, Ali Satty, Emad AB	Exact solutions of the nonlinear space-time fractional Schamel equation	International Journal of Advanced and Applied Sciences, 28/7/2024
Abaker A. Hassaballa, Ahmed M.A. Adam, Eltayeb A. Yousif and Mohamed I. Nouh	New Families of Solutions for the Space-time Fractional Burgers' Equation	Journal of Science and Arts, 2021.
Eltayeb A. Yousif, Ahmed M.A. Adam, Abaker A. Hassaballa, Mohamed I. Nouh	Conformable fractional isothermal gas spheres	New Astronomy, Elsevier, 2021
A. M. A. Adam, E. B. M. Bashier, M. H. A. Hashim, K. C. Patidar	Fitted Fourier-pseudospectral methods for solving a delayed reaction-diffusion partial differential equation in biology	AIP Conference Proceedings 1863 American Institute of Physics, 2017
A. M. A. Adam, E. B. M. Bashier, M. H. A. Hashim, K. C. Patidar	Fitted Galerkin spectral method to solve delay partial differential equations	Mathematical Methods in the Applied Sciences, 2016

Scientific Achievements (Scientific Research accept for publication)

Name of Investigators	Research Title	Date	The magazine

من الشمال...إلى الوطن

Scientific Achievements(Scientific Research submitted for Arbitration of specialized)

Name of Investigators	Research Title	Plot And Date of publication

Scientific Achievements(Finished Research Projects)

Name of Investigators	Research Title	Date Title

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Scientific Achievements(Current Research)

Name of Investigators	Research Title

Scientific Achievements (Contribution to Scientific Conference and symposia)

Conference Title	Place And Date of the Conference	Extent of Contribution

Scientific Achievements(Membership and Committees participating in)

1-	E-Learning and Distance Learning unit, Science college
2-	Student excuses study committee, Science college
3-	Member of the Academic Affairs Committee – Science college

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Teaching Activities(Undergraduate)

Course	Course Number	Extent of Contribution
Vector Analysis	1104304	Coordinator
Introduction to graph theory	1104426	Coordinator
Discrete mathematics	Math474	Instructor
Engineering mathematics-4	1104314	Instructor

Brief Description of the Undergraduate Courses taught

1-	Discrete Mathematics: The topics covered include the fundamental concepts of Discrete mathematics and use other method for resolving the mathematical problem
2-	Engineering mathematics-4: The topics of the course include fundamental concepts of vector analysis and linear algebra.
3-	Vector Analysis: This course focus on the fundamental concepts of vector differentiations, vector integration to investigate in vector fields and surface integrals by the virtue of Green's theorem and Stokes theorem.

Teaching Activities (Scientific Studies)

Course	Course Number	Extent of Contribution

Teaching Activities (academic advising for Student)

Stage	Number of Students	Form	To me
Bachelor	6		

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Teaching Activities(Supervision of master and doctoral theses)

Scientific Certificate	The Side	The address	Date

Teaching Activities(Supervision of Ongoing Research)

Scientific Certificate	The Side	The address	Date

Administrative Tasks And Community Service

The Side	Position	Form	To me

Administrative Tasks and Community Service (Committee membership)

The Side	Position	Form	To me

Administrative Tasks and Community Service (Educational Consultancy)

Time-full Partial-time	The Side	Form	To me

Administrative Tasks and Community Service (Volunteer Work)

The Side	Volunteer Type	Form	To me

Voluntary Competencies and Skills

1-

2-	
3-	

