

Personal Data

Name	Imen Kallel
Department	Mathematics
Nationality	Tunisia
Date	16/03/1987
Official Email	iman.algelal@nbu.edu.sa
Phone	...

Language proficiency

Language	Read	Write	Speak
Arabic	yes	yes	yes
English	yes	yes	yes
French	yes	yes	yes

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of issue	Address
2017	Diploma of Doctorate	University of Monastir	Tunisia
2012	Diploma of Master's	University of Sousse	Tunisia

PhD, Master or Fellowship Research Title

PhD	Geometric identification problems for an anisotropic operator
Master	Topological sensitivity analysis for the anisotropic Laplace operator

Professional Record(Beginning with the most recent)

Job Rank	Place And Address of work	Date
Assistant professor	Northern Border University	09/2018 -present
Lecturer	Northern Border University	09/2015 -09/2018

Management Position(Beginning with the most recent)

Administrative position	The disk	Date

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Scientific Achievements (Published Refereed Scientific Research)

Name of Investigators	Research Title	Publisher and Date of Application
Hamza Bashir, Muhammad Arshad, Imen Ali Kallel	Fractal generation of Julia, Mandelbrot, and multicorn sets with an AA-Iterative algorithm	Chaos, Solitons & Fractals, 2025
Anthony Limi, K Rangarajan, Imen Ali Kallel, Yassine Saoudi	Optimal Utilization of Port Free-of-Charge Storage for Non-Instantaneously Deteriorating Items with Time-Varying Order Quantity Dependent Demand with Green Technology Investment during Transit	International Journal of Analysis and Applications, 2025
Muhammad Zain Yousaf, Muhammad Abbas, Muhammad Kashif Iqbal, Imen Ali Kallel	Adequate dynamical perspective of traveling wave solutions to the perturbed Boussinesq equation appearing in ocean engineering	Journal of Ocean Engineering and Marine Energy, 2025

Junaid Ahmad, Imen Ali Kallel, Ahmad Aloqaily, Nabil Mlaiki	On multi-valued generalized α -nonexpansive mappings and an application to two-point BVPs	AIMS Mathematics, 2025
Imen Kallel, Ahmed Saoudi	Uncertainty Principles for the Fractional Dunkl Transform	International Journal of Analysis and Applications, 2024
Amel Touati, Imen Kallel, Ahmed Saoudi	Uncertainty Principles for the Weinstein Wavelet Transform	International Journal of Analysis and Applications, 2024
Khairul Habib Alam, Yumnam Rohen, Imen Ali Kallel, Junaid Ahmad	Solution of an algebraic linear system of equations using fixed point results in C^* -algebra valued extended Branciari Sb-metric spaces	International Journal of Analysis and Applications, 2024
Imen Kallel, Ahmed Saoudi	Uncertainty Principle for the Weinstein-Gabor Transforms	International Journal of Analysis and Applications, 2024
Ahmed Saoudi, Imen Kallel	A Variation of L^p Local Uncertainty Principles for Weinstein Transform	Proc. Rom. Acad. Ser. A Math. Phys. Tech. Sci. Inf. Sci, 2024
Imen Kallel	Topological Sensitivity Analysis for the Anisotropic Laplace Problem	International Journal of Analysis and Applications, 2021
Mohamed Abdelwahed, Nejmeddine Chorfi, Maatoug Hassine, Imen Kallel	Application of the topological sensitivity method to the reconstruction of plasma equilibrium domain in a tokamak	Boundary Value Problems, 2021
Ahmed Saoudi and Imen Kallel	L^2 -Uncertainty Principle for the Weinstein-Multiplier Operators	International Journal of Analysis and Applications, 2019
Maatoug Hassine, Imen Kallel	One-Iteration Reconstruction Algorithm For Geometric Inverse Problems	Applied Mathematics E-Notes, 2018
Maatoug Hassine, Imen Kallel	Kohn-Vogelius formulation and topological sensitivity analysis based method for solving geometric inverse problems	Arab Journal of Mathematical Sciences, 2018
Maatoug Hassine, Imen Kallel	One-iteration algorithm for geometric inverse problem	Tendances des Applications Mathématiques, 2013
Imen Kallel	Topological Sensitivity Analysis for the Anisotropic Laplace Problem	International Journal of Analysis and Applications

Scientific Achievements (Scientific Research accept for publication)

Name of Investigators	Research Title	Date	The magazine

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

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
PhD Students Day,	Department of Mathematics, University of Monastir	2013

TAMTAM'13	Alger, Algeria	2013
ICMAT23	SASTRA Deemed University	2023

Scientific Achievements (Membership and Committees participating in)

1-	Graduate studies and scientific research
2-	Alumni Committee
3-	

Teaching Activities (Undergraduate)

Course	Course Number	Extent of Contribution
Calculus I	1104101	
Mathematics for the Life Sciences	1104102	
Introduction To Statistics	1104131	
Calculus II	1104202	
Foundations Of Mathematics	1104221	

Differential Equations 1	1104241	
Mathematical Programming	1104271	
Vector Analysis	1104304	
Group Theory	1104323	
Dynamics	1104361	
Numerical Analysis	1104372	
Research Project	1104492	
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Brief Description of the Undergraduate Courses taught

1-	
2-	
3-	

Teaching Activities (Scientific Studies)

Course	Course Number	Extent of Contribution

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Teaching Activities (academic advising for Student)

Stage	Number of Students	Form	To me
	0	2015	2016
	17	2016	2018
	15	2018	2020
	13	2020	2021
	20	2021	2022

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

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Administrative Tasks and Community Service (Volunteer Work)

The Side	Volunteer Type	Form	To me

Voluntary Competencies and Skills

1-	
2-	
3-	