

Name: Matallah Hana

Rank: Assistant master

Department: Class Preparatory

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Educational Profile:

- Doctorate mathematics and computer science/PhD in Mathematics (Numerical Analysis of PDEs and Application, University of 20 august 1955 Skikda, Algeria
- Master in Mathematics (Numerical analysis of PDEs), University of 20 august 1955 Skikda, Algeria
- License/ Diploma in Mathematics, University Name Country

Honors and Distinctions

Scientific Activities & Membership of Scientific Societies

The course of general English language under the standards and the guidelines of SHero Academy in Skikda, Level B2.

List of Current Research Projects

The university research Project (PRFU) intitulé : Etude théorique d'un nouveau modèle des EDP modélise quelques phénomènes physiques avec quelques applications au traitement d'images bas-niveau. Code: C00L03UN210120220001. (2022/2025).

List of Journal Publications (starting with most recent one according to the **format below**)

1. H.Matallah, M.Maouni, H.Lakhal, 2022, [EXISTENCE RESULTS FOR QUASILINEAR PARABOLIC SYSTEMS WITH NONLOCAL BOUNDARY CONDITIONS](#), J. Math. Comput. Sci , ISSN: 1927-5307
2. H.Matallah, M.Maouni, H.Lakhal, 2021, [IMAGE RESTORATION BY A FRACTIONAL REACTION-DIFFUSION PROCESS](#), International Journal of Analysis and Applications; Volume 19, Number 5 , 709-724
3. H.Matallah, M.Maouni, H.Lakhal, 2022, [Global weak solution to a generic reaction-diffusion nonlinear parabolic system](#) Math Meth Appl Sci;45:6935–6950.

List of Conference Papers (starting with most recent one, using the **format below**)

1. Author A, Author B, 2019, [Title](#), Conference Name 2019, Publisher: American Institute of Aeronautics and Astronautics

2. H.Matallah, M.Maouni, H.Lakhal,2020,[Image restoration by fractional reaction-diffusion process](#). The first online conference on Modern Fractional Calculus and Its Application. Burini University, Istanbul Turkey, December 4-6, 2020.
3. H.Matallah, M.Maouni, H.Lakhal,2022,[Existence result for fractional reaction-diffusion problem using in image restoration](#), during Operator Theory Analysis and Mathematical Physics OTAMP2022. June 27-30, 2022(Stockholm).
4. H.Matallah, M.Maouni, H.Lakhal, 2022, [Generalized solution for quasilinear parabolic systel with nonlocal boundary conditions](#),in a Two Day International conference on Recent Tends In Mathematical and computational Sciences organized by Department of Mathematics and Department of statistics, Amity Institute of Applied Sciences, Amity University Kolkata, West Bengal during 28th-29th July 2022.
5. H.Matallah, M.Maouni, H.Lakhal, 2022,[Existence results for quasilinear parabolic systems with nonlocal boundary](#), INTERNATIONAL CONFERENCE ON MATHEMATICS APPLIED IN LIFE SCIENCES. june 23-24,2022, Iasi, Romania.
6. H.Matallah,M.Maouni, H.Lakhal, 2020,[The Existence Of Solution To The Fractional Reaction-diffusion Process Using In Image Processing](#) ,the International Conference on Special Functions and Applications, XIX Annual conference of Society for Special Funcions and their Applications organized by Department of Mathematics and computer Science, Babu Banarasi Das University, Lucknow,India.23/12/2020.
7. H.Matallah, M.Maouni, H.Lakhal, 2022,[Ageneric reaction-diffusion nonlinear parabolic system in image processing](#). the ICOMAA-2022, the department of Mathematics University of Kalyani.India , during June 28-29. 2022.
8. H.Matallah, M.Maouni, H.Lakhal, 2022,[Global existence for reaction-diffusion parabolic system using in image processing](#) .3rd International Conference on Applied Engineering and Natural Sciences on 20-23 July in 2022 at Konya/Turkey.
9. H.Matallah, M.Maouni, H.Lakhal, 2022,[Generic quasilinear parabolic system with non local boundary condition](#), International Virtual Conference on Recent Trends in Applied Mathematics (ICRTAM – 2022), Department of Science and Humanities (Mathematics), Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore held on 7th October, 2022.