




Dr. Ramadhan Abdo Musleh Alsaidi

Assistant Professor of Applied Computational Mathematics with a valid residency as a transferable university professor from Al-Jouf University

A researcher with multi-disciplinary knowledge in Mathematics, computational mathematics, numerical solution. My research interests include the fields of applied mathematics in Computer Science such as CAGD, Machine and deep learning, Image processing and Artificial Intelligent. Member of International Association of Engineers: Hong Kong, HK

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SKILLS

- Teaching
- Leadership
- Cooperation
- Hardworking
- Creative
- Work ethic
- Flexibility
- Scientific Research

LANGUAGES

- Arabic
- English
- Chinese

RESEARCH INTERESTS

- Computational mathematics intelligence
- Numerical solution learning
- CAGD learning
- Image processing

RESEARCH GRANTS

- New approach for polyphonic sound event Detection.
- Insight into electronic structure and optical properties of some metalloporphyrins thin films for solar cell applications: experimental and computational study
- a) Graduated Optimization for Deep Non-convex approximation and Its Application on functional magnetic resonance imaging
- An eighth-order conservative compact finite difference method for the coupled Schrodinger Boussinesq equations.

EDUCATION

Ph.D. (2014) Computer software and technology (computational mathematics), School of Mathematics and Statistics, Huazhong University of Science & Technology (HUST), Wuhan, China. With thesis title: "Hierarchical Sparse Representation for Feature Extraction and its Applications".

M.Sc. (2010) Mathematics (Computational mathematics), School of Mathematics and statistic, University of Science and Technology of China (USTC), Hefei, China. With thesis title: "Two methods for surface /surface intersection problem Comparative study".

B.Sc. (1996) Mathematics Department, Faculty of Sciences, Sana'a University, Sana'a, Yemen.

- English and Computer Courses.

WORK EXPERIENCE

- Assistant Professor, (2017 -8\2022), Jouf university, Collage of Science and Arts in Gurayat, Mathematics Department.
- Assistant Professor, (2014 - 2015), Mathematics Department, Faculty of Education and Applied Sciences at Arhab, Sana'a University, Sana'a, Yemen.

TEACHING EXPERIENCE

- Computational mathematics.
- Modeling and Simulation.
- Biostatistics.
- Complex Analysis.
- Math Software.
- Integral Calculus
- Optimization Techniques.
- Forecasting Techniques.
- Discrete Mathematics.
- Operation Research.
- financial mathematics
- Complex Analysis
- Introduction to financial mathematics
- Cryptography and Coding





LIST OF SOME OF TOP PUBLICATIONS

1. Ransomware Detection using Machine and Deep Learning Approaches
<https://www.nature.com/articles/s41598-022-19443-7>
2. Structural, optical, electrical, and DFT studies on polyvinyl pyrrolidone/polyethylene oxide polymer blend filled with MoO₃ nanoplates for flexible energy-storage devices (2022).
<https://doi.org/10.1002/er.8101>
3. Insight into electronic structure and optical properties of ZnTPP thin films for energy conversion applications: experimental and computational study(2022)
<https://www.sciencedirect.com/science/article/abs/pii/S2352492822007310>
4. Impact of the various measures of similarity on the statistic hierarchical neural response method (2021).<http://www.jatit.org/volumes/Vol99No21/5Vol99No21.pdf>
5. New numerical solution for two parametric surfaces intersection dragging problem (2021).
<http://doi.org/10.28924/2291-8639-19-2021-773>
6. *Hierarchical Sparse Method with Applications in Vision & Speech Recognition* (2014).
<http://www.worldscientific.com/doi/abs/10.1142/S0219691313500161?journalCode=iwjmip>.
7. *Investigation of Collaborative, Social Media SaaS Cloud-Based Services' Acceptance Model on the Millennials* (2021).
https://doi.org/10.1007/978-3-030-72080-3_19
8. *Collaborative and Social Media SaaS (Software as a Service) Cloud Computing Services' Adoption and Acceptance Model on the Millennials: Conceptual Model* (2021).
https://doi.org/10.1007/978-3-030-62796-6_6
9. Recognizing Arabic Handwriting Using Statistical Hierarchical Architecture (2020).
http://paper.ijcsns.org/07_book/202008/20200802.pdf
10. Using Derived kernel as a new Method for Recognition a Similarity Learning (2020).
<https://www.ijeat.org/wp-content/uploads/papers/v9i3/C5705029320.pdf>
11. *Selection of Informative Template in*

RESEARCH SKILLS

- Research and report-writing
- Preparing research projects
- Sample preparation, measurements, and characterization.
- Working on Origin lab software.
- Working on programs of computer such as (Matlab, R programming, Python).

IMPORTANT LINKS

	https://scholar.google.com/citations?user=aiF1Bo0AAAAJ&hl=en
	https://orcid.org/0000-0002-5485-463X
	https://www.researchgate.net/lab/Ramadhan-Alsaiidi-Lab-Ramadhan-A-M-Alsaiidi
Scopus	https://www.scopus.com/authid/detail.uri?authorId=55658310500
ACADEMIA	https://jouf.academia.edu/%D8%B1%D9%85%D8%B6%D8%A7%D9%86%D8%B9%D8%A8%D8%AF%D9%87%D9%85%D8%B5%D9%84%D8%AD%D8%A7%D9%84%D8%B5%D8%A7%D9%8A%D8%AF%D9%8A
	https://www.linkedin.com/in/alsaiidi-ramadhan-802a4850/

I am Dr. Ramadan Al-Saidi from Yemen. A graduate with Master's degree from the University of Science and Technology of China (USTC) which is ranked 76th worldwide in the field of Applications of Mathematics in Engineering Design, I.e. Computer Aided Geometric Design (CAGD). In addition, I got my Ph.D. degree from Huazhong University of Science and Technology (HUST), which is ranked 176th worldwide in the field of Mathematics Applications in Artificial Intelligence.