Academic Resume

Hind Almisbahi

Assistant Professor, Information Technology Department

Assistant Professor with research interests in Machine Learning, Artificial Intelligence, and Molecular Dynamics Simulations.

Contact Information.

Building 61, Room 152, Ext. 26504, Add. Faculty of computing and information technology, halmisbahi@kau.edu.sa.

Highest Degree.

2019, PhD, Machine Learning, Suerry University, UK.

Academic and Professional Experiences.

1. **2019 - Present**
   Present Assistant professor, Saudi Arabia, Jeddah, KAU., FCIT, King Abdulaziz University.
2. **2010 - 2019**
   Lecturer, Saudi Arabia, Jeddah, KAU.
3. **2008 - 2010**
   Teacher Assistant, Saudi Arabia, Jeddah, KAU.

Research Interests.

Machine Learning, Deep Learning, Molecular Dynamics Simulation, Physics computation.

Teaching Interests.

Data mining, Deep learning, Artificial intelligence, Machine Learning.

Certifications and Trainings.

1. Workshop of introduction of nanotechnology, The Center of Nanotechnology, King Abdulaziz University.
2. Workshop of Renewable energy using Nano solar cells , The Center of Nanotechnology, King Abdulaziz University.
3. End Note at Center for Teaching & Learning Development, King Abdulaziz University.
4. Research methods at Center for Teaching & Learning Development, King Abdulaziz University.
5. Communication skills course at Center for Teaching & Learning Development, King Abdulaziz University.
6. English course for postgraduate students at Center for Teaching & Learning Development, King Abdulaziz University.
7. SPSS at Center for Teaching & Learning Development, King Abdulaziz University.
8. Acknowledgment of Supervision of students contribution in 12th scientific forum.
9. Workshop of Managing exams and students reports in Blackboard.
10. Workshop of Exit Exam.
11. Content tools in Blackboard LMS.
12. Rubrics tool to adjust educational practice.
13. PowerPoint creativity.
14. Workshop of personal qualities.
15. Acknowledgment of Supervision of students contribution in 14th scientific forum in King Abdulaziz University..
16. Workshop of AI role in teaching and scientific research: ChatGPT as an example..

Social, Scientific and Professional Affiliation.

1. 2015-2016, member, Saudi Society for nanotechnology.

Excellence Awards and Patents.

1. 2009, Interior, Excellence in Scientific Research for postgraduate students., King Abdulaziz University.

Funded Projects.

1. 2023, IFPIP-919-135-1443, King Abdulaziz University, DSR

Publications.

1. Nurrohman Nurrohman, Hind Almisbahi, Mohammad Albeirutty, Omar Bamaga, Eydhah Almatrafi, Elena Tocci, "Graphene Coating Reduces The Heat Transfer Performance Of Water Vapor Condensation On Copper Surfaces: A Molecular Simulation Study", Alexandria Engineering Journal, vol: 82, pp. 101-125, 2023.

   DOI: 10.1016/j.aej.2023.09.076

2. Hind O. Almisbahi, David A. Faux, Lilian H. Tang, Maysoon F. Abulkhair, "Visualizing Molecular Phonons Using Eigenvectors With Smallest Eigenvalues Of The Atomic Trajectories", Computational Materials Science, vol: 160, pp. 86-94, 2019.

   DOI: 10.1016/j.commatsci.2019.01.002

3. Hind O. Al Misbahi, Arwa Y. Al Aama, "Improving Scalability With The Use Of The Overlay Multicast Protocol (Omp)", International Journal Of Internet Protocol Technology, vol: 4, pp. 182, 2009.

   DOI: 10.1504/IJIPT.2009.028657

4. Hind O. Al-Misbahi, Arwa Y. Al-Aama, "The Overlay Multicast Protocol (Omp): A Proposed Solution To Improving Scalability Of Multicasting In Mpls Networks", The 2nd International Conference On Wireless Broadband And Ultra Wideband Communications (Auswireless 2007), pp. 79-79, 2007.

   DOI: 10.1109/AUSWIRELESS.2007.81