

Faculty CV

[Mohamed Osman Baloola Mohamed]

Academic Rank

- Deputy Director, Ajman University Innovation Center
- Instructor, College of Engineering and Information Technology

Qualifications

- Master of Engineering Science (M.Eng.Sc.), University of Malaya, Kuala Lumpur, Malaysia
- B.Sc. Biomedical Engineering, Ajman University, Ajman, UAE

Research field(s)

- Biomedical Engineering
- Robotic
- Drone
- Metaverse and Augmented Reality (AR)

Publications *(Last five years)*

- Optimization of Medication Delivery Drone with IoT-Guidance Landing System Based on Direction and Intensity of Light. **Sensors** **2022**, 22, 4272.
<https://doi.org/10.3390/s22114272>
- The Impact of Mobile Augmented Reality Design Implementation on User Engagement. (**2020**, April). In International Conference on Advances in Computing and Data Sciences (pp. 96-106). **Springer**

Courses Taught *(Last five years)*

- Electrophysiology
- Medical Electronics
- Biomedical Design

- Biomechanics
- Biomaterials Basics and Applications
- Biomedical Imaging Systems
- Directed Studies in Biomedical Engineering

Professional Experience

- Deputy Director, Ajman University Innovation Center, (2017 – Present)
- Instructor, College of Engineering and Information Technology, Ajman University (2022 – Present)
- Assistant Instructor, College of Engineering and Information Technology, Ajman University (2010 – 2022)

Committees Work

- CEO of Innovation at Sudan Pavilion at Expo 2020 Dubai

Honors and Awards

- The World's 500 Most influential Arabs. Scientist and Inventor. (2012 & 2013)
- The Top 100 Content Creators on LinkedIn (2022)
- “Young Achiever in the Field of Biomedical Engineering 2014” Excellence Awards for Entrepreneurship from the World Medical Council. (2014)
- Ajman University employee of the month. (May 2018)
- Arabian Business Achievement Awards – Science and Innovation Award. (2011)
- First prize in Tomohat Shabab TV program (Young Innovation Award) Sharjah TV. (2011)
- First place in the “Voting for the Best Project” category for my project entitled “Electronic Healthcare System with Mobile Phone for Remote Monitoring and Control of Patients in Need of Continuous Care”, 4th UAE Software Development Trade Show, Wollongong University, Dubai (2010).
- Third place in the “Business Judging” category for my project entitled “Electronic Healthcare System with Mobile Phone for Remote Monitoring and Control of Patients in Need of Continuous Care “,4th UAE Software Development Trade Show, Wollongong University, Dubai (2010).
- Honoured by Sheikh Mohammed bin Rashid Al Maktoum Foundation - The Knowledge Summit 2015.
- ((Best Research Paper in Faculty of Engineering)) for my graduation project, The Fifth Approach Student Scientific Conference, Ajman University of Science & Technology, Ajman (2009).
- Best Project on Biomedical Engineering of my graduation project, Biomedical Day 2008, Ajman University of Science & Technology, Ajman (2008).
- Honoured by the Sudanese Medical Engineering Society for achievements and contributions to the biomedical field at Arab Health 2018 in Dubai, UAE.

Other Contributions and Achievements

- Ambassador of Talent - Sudanese National Authority of Gifted
- Goodwill Ambassador of Sudanese National Union of Physically Disabled
- Honorary Membership from the Sudanese Medical Engineering Society