

## **Personal Information**

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## **International Researcher IDs**

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## **Research Areas**

Machine Dynamics, System Dynamics and Control, Mechanisms, Robotics, Mechatronics, Modeling and Simulation of Dynamic Systems, Sensors / Electrooptics Technologies

## **Academic Titles / Tasks**

Lecturer PhD, Middle East Technical University, Presidency Office, Applied Research Center for Robotics & AI Technologies, 2021 - Continues

## **Articles Published in Other Journals**

- I. **OPTIMAL PID CONTROLLER DESIGN FOR TRAJECTORY TRACKING OF A DODECAROTOR UAV BASED ON GREY WOLF OPTIMIZER**  
YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V.  
Konya mühendislik bilimleri dergisi (Online), vol.11, no.1, pp.10-20, 2023 (Peer-Reviewed Journal)
- II. **A Literature Review on Walking Strategies of Legged Robots**  
Bakircioglu V., Kalyoncu M.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.23, no.4, pp.961-986, 2020 (ESCI)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Experimental Investigation of the Effect of Mass Load on Flight Performance of an Octorotor and Dodecarotor UAV**  
YILDIRIM Ş., Çabuk N., Bakircioğlu V.  
1st International Conference on Innovation in Engineering, ICIE 2021, Guimarães, Portugal, 28 - 30 June 2021, pp.81-89
- II. **Adaptive neural-network based fuzzy logic (ANFIS) based trajectory controller design for one leg of a quadruped robot**  
Bakircioğlu V., Arif Şen M., Kalyoncu M.  
5th International Conference on Mechatronics and Control Engineering, ICMCE 2016, Venice, Italy, 14 - 17 December 2016, pp.82-85

- III. **Performances comparison of the bees algorithm and genetic algorithm for PID controller tuning**  
Arif Şen M., Bakircioğlu V., Kalyoncu M.  
5th International Conference on Mechatronics and Control Engineering, ICMCE 2016, Venice, Italy, 14 - 17  
December 2016, pp.126-130
- IV. **Optimization of PID controller based on The Bees Algorithm for one leg of a quadruped robot**  
Bakircioglu V., Sen M. A., Kalyoncu M.  
3rd International Conference on Control, Mechatronics and Automation (ICCMA), Barcelona, Spain, 21 - 22  
December 2015, vol.42

## **Metrics**

Publication: 10  
Citation (WoS): 11  
Citation (Scopus): 21  
H-Index (WoS): 2  
H-Index (Scopus): 3