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#### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAQ-6969-2020

ScopusID: 57014621600

Yoksis Researcher ID: 24849

#### Education Information

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- I. Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2016 - 2024
- II. Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2016
- III. Undergraduate, Niğde Üniversitesi, Mühendislik - Mimarlık Fakültesi, Makine Mühendisliği Anabilim Dalı, Turkey 2006 - 2011

#### Foreign Languages

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- I. English, B2 Upper Intermediate
- II. Portuguese, A1 Beginner

#### Certificates, Courses and Trainings

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- I. Quality Management, Uluslararası Kaynak Mühendisliği / International Welding Engineer, Gedik Education Foundation, 2011

#### Research Areas

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Computer Sciences, Computer Vision, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Mechanical Engineering, Machine Theory and Dynamics, Machine Dynamics, System Dynamics and Control, Modeling and Simulation of Dynamic Systems, Engineering and Technology

#### Academic Titles / Tasks

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- I. Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2013 - Continues

#### Published journal articles indexed by SCI, SSCI, and AHCI

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- I. **Position control of a digital electrohydraulic system with limited sensory data using double deep q-network controller**  
COŞKUN M. Y., Itik M.

Expert Systems with Applications, vol.252, 2024 (SCI-Expanded)

**II. Intelligent PID control of an industrial electro-hydraulic system**

COŞKUN M. Y., İtik M.

ISA Transactions, vol.139, pp.484-498, 2023 (SCI-Expanded)

**III. Hybrid force and position control of a conducting tri-layer electro-active polymer actuator**

COŞKUN M. Y., SANCAK C., İtik M., ALICI G.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.39, no.3, pp.288-296, 2017 (SCI-Expanded)

## Articles Published in Other Journals

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**I. Reinforcement learning based position control of an electro-hydraulic system**

Coşkun M. Y., İtik M.

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.1, pp.1-9, 2023 (Peer-Reviewed Journal)

**II. Vision based sliding mode control of micro displacement of a conjugated electroactive polymer actuator**

SANCAK C., COŞKUN M. Y., İtik M.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.22, no.8, pp.629-635, 2016 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

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**I. Investigation of Fractional-order Controller's Positioning Performance Against Unmodeled System Dynamics**

Coşkun M. Y., İtik M.

Uluslararası Mühendislik Sempozyumu, İzmir, Turkey, 5 - 13 December 2020, pp.1-2

**II. Konjuge Elektroaktif Polimer Tabanlı Esnek Bir Manipülatörün Kinematik Modelinin Eldesi ve Deneysel Doğrulaması**

COŞKUN M. Y., SANCAK C., İTİK M.

Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 5 - 07 July 2017, pp.392-399

**III. Elektro-Aktif Üç Katmanlı Konjuge Bir Polimer Eyleyicinin Hibrit Kontrolü**

SANCAK C., COŞKUN M. Y., İTİK M.

Türk Otomatik Kontrol Ulusal Toplantısı, Denizli, Turkey, 10 - 12 September 2015, pp.15-20

**IV. Konjuge Tip Bir Elektro-Aktif Polimer Eyleyicinin Görüntü Tabanlı Kontrolü**

COŞKUN M. Y., İTİK M.

Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.810-815

**V. Vision Based Control of a Conjugated Electro-Active Polymer Actuator**

COŞKUN M. Y., İtik M.

IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM), Busan, South Korea, 7 - 11 July 2015, pp.824-829

## Memberships / Tasks in Scientific Organizations

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**I. Makine Teorisi Derneği, Member, 2015 - Continues**

## Metrics

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Publication: 10  
Citation (WoS): 15  
Citation (Scopus): 21  
H-Index (WoS): 2  
H-Index (Scopus): 2

## Congress and Symposium Activities

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- I. Türk Otomatik Kontrol Ulusal Toplantısı, Attendee, Denizli, Turkey, 2015
- II. Robot Kinematiği Çalıştayı, Attendee, Gaziantep, Turkey, 2015
- III. IEEE/ASME International Conference on Advanced Intelligent Mechatronics, Attendee, Pusan, South Korea, 2015
- IV. Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, Attendee, İzmir, Turkey, 2015
- V. European Embedded Control Institute - International Graduate School on Control, Attendee, İstanbul, Turkey, 2015

## Coaching Duties

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## Refereeing Duties

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## Non Academic Experience

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- I. Coşkun Isı Ltd. Şti.