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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Biostatistics and Medical Informatics, Turkey 2014 - 2021

Postgraduate, Karabuk University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği Anabilim Dalı, Turkey 2010 - 2013

Undergraduate, Karabuk University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 2006 - 2010

Foreign Languages

English, C1 Advanced

Research Areas

Biostatistics and Medical Informatics, Computer Sciences, bioinformatics, Engineering and Technology

Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Rektörlük, Rektörlük, 2018 - Continues

Expert, Karadeniz Technical University, Rektörlük, Bilgi İşlem Daire Başkanlığı, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Learning functional properties of proteins with language models**
Unsal S., Atas H., ALBAYRAK M., TURHAN K., ACAR A. C., DOĞAN T.
NATURE MACHINE INTELLIGENCE, vol.4, no.3, pp.227-245, 2022 (SCI-Expanded)
- II. **Experimental Design for Performance Tests of IoT (Internet of Things) Layers Protocols**
ALBAYRAK M., ALBAYRAK A.
ADVANCED SCIENCE, Engineering and Medicine, vol.11, no.7, pp.652-658, 2019 (SCI-Expanded)
- III. **kaphom: An R Package for Testing the Homogeneity of Intra-class Kappa Statistics**
ALBAYRAK M., TURHAN K., Yavuz Y., AYDIN KASAP Z.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.2018, pp.1, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **STRUCTURAL EQUATION MODELLING TO EXAMINE THE AFFECTED FACTORS OF KINESIOPHOBIA IN POSTMENOPAUSAL WOMEN WITH CHRONIC LOW BACK PAIN**
ERDEN A., TURHAN K., ALBAYRAK M., ŞENOCAK E.
Turkish Journal of Physiotherapy and Rehabilitation, vol.32, no.3, pp.1-10, 2021 (ESCI)

Books & Book Chapters

- I. **Structural Equation Modeling**
Albayrak M.
in: MULTIDISCIPLINARY TECHNICAL SCIENCES BULLETINS-22B, Mehmet Sait CENGİZ, Halil İbrahim AKOLAŞ, Çiğdem CENGİZ, Emin El, Editor, Duvar Publishing, Ankara, pp.293-302, 2022
- II. **A Soft Starting Application with Fuzzy Type II for Hub Motors**
ALBAYRAK M., ALBAYRAK A., BAYIR R.
in: Machine Vision and Mechatronics in Practice, Billingsley J. Brett P., Editor, Springer Berlin Heidelberg, Berlin, pp.337-348, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **A Protein Representation Model for Low-Data**
Ünsal S., Özdemir S., Özdiñç I., Bayraklı A., Albayrak M., Turhan K., Doğan T., Acar A. C.
15th International Symposium on Health Informatics and Bioinformatics, Mersin, Turkey, 20 - 21 October 2022, pp.105-106
- II. **İkili Sonuçlu Bağımsız Kappa İstatistiklerinin Homojenlik Testleri İçin Bir R Paketi**
ALBAYRAK M., TURHAN K., YAVUZ Y., AYDIN KASAP Z.
XIX. Ulusal ve II. Uluslararası Biyoistatistik Kongresi, Antalya, Turkey, 25 - 28 October 2017, pp.15
- III. **Anlamsal Web Tabanlı Kişiselleştirilmiş Doktor Arama Motoru**
ALBAYRAK M., TURHAN K.
X. Uluslararası Katılımlı Tıp Bilişimi Kongresi, Antalya, Turkey, 12 - 15 October 2017, pp.1
- IV. **Experimental Design for Performance Tests of IoT (Internet of Things) Layers Protocols**
ALBAYRAK M., ALBAYRAK A.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), 4 - 08 October 2017
- V. **Restructuring of Information Technology Course with Agile Approach for Engineering Departments**
ALBAYRAK M., ALBAYRAK A.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), 4 - 08 October 2017
- VI. **E-Survey Based Approach for Pervasive Healthcare**
ALBAYRAK M., TURHAN K.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- VII. **A Missing Data Imputation Approach Using Clustering and Maximum Likelihood Estimation**
ALBAYRAK M., TURHAN K., KURT B.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- VIII. **Selection of Appropriate Agreement Statistic in Binary Diagnostic Tests**
Aydın Kasap Z., Kurt B., Yavuz Y., Albayrak M., Turhan K.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- IX. **Mezotelyoma Hastalığı Verilerinin Sınıflandırılmasında Genetik Algoritma ile Özellik Seçimi**
Albayrak M., ALBAYRAK A., ALBAYRAK M.

Tiptekno 2016, Antalya, Turkey, 26 - 29 October 2016, vol.1, no.1, pp.1

X. Performance Evaluation of Practice Courses Using Fuzzy Cognitive Maps

Albayrak A., ALBAYRAK M.

15th International Conference on Information Technology Based Higher Education and Training (ITHET), İstanbul, Turkey, 8 - 10 September 2016

XI. Design of Matlab/Simulink Based Development Board for Fuzzy Logic Education

Albayrak A., ALBAYRAK M., BAYIR R.

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), İstanbul, Turkey, 2 - 05 August 2015

XII. A soft starting application with fuzzy type II for hub motors

ALBAYRAK M., BAYIR R.

The 20'th International Conference on Mechatronics and Machine Vision in Practice, Ankara, Turkey, 18 - 20 September 2013, pp.35-41

Metrics

Publication: 18

Citation (WoS): 7

Citation (Scopus): 23

H-Index (WoS): 1

H-Index (Scopus): 3

Congress and Symposium Activities

2017 Tıp Teknolojileri Kongresi (TIPTEKNO'17), Attendee, Trabzon, Turkey, 2017

2016 Tıp Teknolojileri Kongresi (TIPTEKNO'16), Attendee, Antalya, Turkey, 2016

The 20'th International Conference on Mechatronics and Machine Vision in Practice, Attendee, Ankara, Turkey, 2013