Prof. Ertuğrul Karaçuha

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International Researcher IDs
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ScopusID: 6602127701
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Education Information

Doctorate, Istanbul University, Faculty Of Economics, Department Of Public Finance, Turkey 1992 - 1996
Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 1989 - 1993
Postgraduate, Istanbul University, Institute Of Social Sciences, İktisat Bölümü, Turkey 1990 - 1992
Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 1987 - 1990
Undergraduate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 1982 - 1986

Dissertations

Doctorate, Sonsuz geniş bir tabakaya gömülü doğrultusu bilinmeyen silindirik cisimlere ilişkin ters saçılma problemleri, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 1993
Postgraduate, Gelir ve kurumlar vergisinin yeri ve gelişimi, İstanbul Üniversitesi, İktisat Fakültesi, Maliye Bölümü, 1992

Research Areas

Social Sciences and Humanities, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Deep assessment methodology using fractional calculus on mathematical modeling and prediction of gross domestic product per capita of countries**
Karaçuha K., Tabatadze V., Karaçuha K., Onal N. O., Ergün E.
Mathematics, vol.8, no.4, 2020 (SCI-Expanded)

II. **Modeling and Prediction of the Covid-19 Cases With Deep Assessment Methodology and Fractional Calculus**
Karaçuha E., Onal N. Ö., Ergün E., Tabatadze V., Alkas H., Karaçuha K., Tontuş H. Ö., Nu N. V. N.
IEEE ACCESS, vol.8, pp.164012-164034, 2020 (SCI-Expanded)

III. **A Mathematical Approach with Fractional Calculus for the Modelling of Children's Physical Development**

Önal N. Ö., Karaçuha K., Erdinç G. H., Karacuha B. B., Karaçuha E.
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, vol.2019, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **Diffraction of the electromagnetic plane waves by double half-plane with fractional boundary conditions**
Tabatadze V., Karaçuha K., Velıyev E., Karaçuha E.
Progress In Electromagnetics Research M, vol.101, pp.207-218, 2021 (ESCI)

II. **Creating and Implementing an Effective and Deterrent National Cyber Security Strategy**
Senol M., Karaçuha E.
JOURNAL OF ENGINEERING, vol.2020, 2020 (ESCI)

III. **The Diffraction by the Half-Plane with the Fractional Boundary Condition**
Veliev E., Tabatadze V., Karaçuha K., Karaçuha E.
PROGRESS IN ELECTROMAGNETICS RESEARCH M, vol.88, pp.101-110, 2020 (ESCI)

IV. **Analysis of Current Distributions and Radar Cross Sections of Line Source Scattering from Impedance Strip by Fractional Derivative Method**
Karaçuha K., Velıyev E., Tabatadze V., Karaçuha E.
ADVANCED ELECTROMAGNETICS, vol.8, no.2, pp.108-113, 2019 (ESCI)

V. **Body Shape and Complex Permittivity Determination Using the Method of Auxiliary Sources**
Tabatadze V., Karaçuha K., Karaçuha E.
PROGRESS IN ELECTROMAGNETICS RESEARCH M, vol.87, pp.115-125, 2019 (ESCI)

VI. **Novel Approaches on Sovereign Credit Ratings**
Önal N. Ö., Karaçuha E.
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.11, no.4, pp.1014-1026, 2018 (ESCI)

VII. **The Use of the Fractional Derivatives Approach to Solve the Problem of Diffraction of a Cylindrical Wave on an Impedance Strip**
Velıyev E., Karaçuha K., Karaçuha E., Dur O.
PROGRESS IN ELECTROMAGNETICS RESEARCH LETTERS, vol.77, pp.19-25, 2018 (ESCI)

Supported Projects

Karaçuha E., Project Supported by Higher Education Institutions, 5G+: 5G ve Sonrası Haberleşme Ağlarında Kullanılacak Teknikler, 2015 - 2017

Metrics

Publication: 25
Citation (WoS): 19
Citation (Scopus): 58
H-Index (WoS): 3
H-Index (Scopus): 5

Non Academic Experience

BİLGİ TEKNOLOJİLERİ VE İLETİŞİM KURUMU
BİLGİ TEKNOLOLOJİLERİ VE İLETİŞİM KURUMU (TELEKOMÜNİKASYON KURUMU)