

## Assoc. Prof. OKTAY CEBECİOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: F-4967-2018

ScopusID: 6508342489

Yoksis Researcher ID: 30676

### Education Information

Doctorate, City University of New York, Graduate Center, Fizik, United States Of America 1997 - 2003

Postgraduate, Polytechnic University, Brooklyn Campus, Polytechnic University, Fizik, United States Of America 1994 - 1996

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 1987 - 1991

### Dissertations

Doctorate, Geometric Derivation of Superconformal quantum Mechanics, City University Of New York, Fizik, 2003

### Research Areas

Physics

### Academic Titles / Tasks

Research Assistant, City University of New York, Graduate Center, Fizik, 2001 - 2002

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 1993 - 2000

### Courses

Diferansiyel Denklemler ve Uygulamaları, Undergraduate, 2023 - 2024

Fizik I, Undergraduate, 2022 - 2023

Matematiksel Fizikte Geometrik Yöntemler, Doctorate, 2022 - 2023

Analitik Geometri Uygulamaları, Undergraduate, 2022 - 2023

süpersimetri, Doctorate, 2023 - 2024

Lineer Cebir ve Uygulamaları, Undergraduate, 2023 - 2024

Diferansiyel Denklemler ve Uygulamaları, Undergraduate, 2016 - 2017

PARÇACIK FİZİĞİNDE GRUP TEORİ, Postgraduate, 2016 - 2017

LİNEER CEBİR VE UYGULAMALARI, Undergraduate, 2016 - 2017

İLERİ KLASİK MEKANİK, Postgraduate, 2016 - 2017

FİZİK I, Undergraduate, 2016 - 2017

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

- I. **Gauging the Maxwell Extended  $GL_{n,R}$  and  $SL_{n+1,R}$  Algebras**  
Kibaroglu S., Cebecioğlu O., Saban A.  
SYMMETRY, vol.15, pp.464-480, 2023 (SCI-Expanded)
- II. **Maxwell extension of  $f(R)$  gravity**  
Cebecioğlu O., Saban A., Kibaroglu S.  
EUROPEAN PHYSICAL JOURNAL C, vol.83, pp.95-103, 2023 (SCI-Expanded)
- III. **Maxwell-modified metric affine gravity**  
Cebecioğlu O., Kibaroglu S.  
EUROPEAN PHYSICAL JOURNAL C, vol.81, no.10, 2021 (SCI-Expanded)
- IV. **Gauge theory of the Maxwell and semi-simple extended (anti) de Sitter algebra**  
Kibaroglu S., CEBECİOĞLU O.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.30, no.10, 2021 (SCI-Expanded)
- V. **Generalized cosmological constant from gauging Maxwell-conformal algebra**  
Kibaroglu S., Cebecioğlu O.  
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.803, 2020 (SCI-Expanded)
- VI.  **$D=4$  supergravity from the Maxwell-Weyl superalgebra**  
Kibaroglu S., CEBECİOĞLU O.  
EUROPEAN PHYSICAL JOURNAL C, vol.79, no.11, 2019 (SCI-Expanded)
- VII.  **$D=4$  topological gravity from gauging the Maxwell-special-affine group**  
Kibaroglu S., Senay M., CEBECİOĞLU O.  
MODERN PHYSICS LETTERS A, vol.34, no.2, 2019 (SCI-Expanded)
- VIII. **Maxwell-affine gauge theory of gravity**  
CEBECİOĞLU O., Kibaroglu S.  
PHYSICS LETTERS B, vol.751, pp.131-134, 2015 (SCI-Expanded)
- IX. **Gauge theory of the Maxwell-Weyl group**  
Cebecioğlu O., Kibaroglu S.  
PHYSICAL REVIEW D, vol.90, no.8, 2014 (SCI-Expanded)
- X. **On the time-dependent oscillator and the nonlinear realizations of the Virasoro group**  
Akulov V., Catto S., Cebecioglu O., Pashnev A.  
PHYSICS LETTERS B, vol.575, pp.137-143, 2003 (SCI-Expanded)
- XI. **On the super-conformal quantum mechanics in the nonlinear realizations approach**  
Akulov V., Cebecioglu O., Pashnev A.  
PHYSICS LETTERS B, vol.562, pp.132-140, 2003 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Gauge Theory of Tensor Extended Weyl Group**  
CEBECİOĞLU O., salih k.  
Quantum Groups and Quantum Integrable Systems, kiev, Ukraine, 18 - 23 June 2013

## **II. Grup Teori Dersi**

CEBECİOĞLU O.

II. Uludag Yuksek Enerji Fizigi Kis Okulu, Turkey, 18 - 22 February 2013

## **Activities in Scientific Journals**

Review of Advances in Physics Theories and Applications, Committee Member, 2019 - Continues

American Journal of Astronomy and Astrophysics(), Committee Member, 2019 - Continues

## **Scientific Refereeing**

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, April 2018

## **Metrics**

Publication: 13

Citation (WoS): 91

Citation (Scopus): 95

H-Index (WoS): 6

H-Index (Scopus): 7