

## Res. Asst. PhD UĞUR SERT

### Personal Information

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### Education Information

Post Doctorate, Universidad de Oviedo Instituto Universitario de la Empresa, Faculty of Science, Department of Mathematics, Spain 2019 - 2020

Doctorate, Hacettepe University, Fen Bilimleri, Matematik, Turkey 2010 - 2016

Postgraduate, Hacettepe University, Fen Fakültesi, Matematik, Turkey 2007 - 2010

Undergraduate, Hacettepe University, Fen Fakültesi, Matematik, Turkey 2003 - 2007

### Research Areas

Mathematics, Differential Equations, Functional Analysis, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2007 - Continues

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

- I. **On a class of nonlocal porous medium equations of Kirchhoff type**  
Sert U.  
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.6, pp.2231-2249, 2022 (Journal Indexed in SCI Expanded)
- II. **On a class of nonlocal parabolic equations of Kirchhoff type: Nonexistence of global solutions and blow-up**  
SERT U., Shmarev S.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2021 (Journal Indexed in SCI)
- III. **On a degenerate nonlocal parabolic equation with variable source**  
SERT U., Shmarev S.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.484, no.1, 2020 (Journal Indexed in SCI)
- IV. **Some analysis on a fractional differential equation with a right-hand side which has a discontinuity at zero**  
San M., SERT U.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.5, pp.1718-1725, 2020 (Journal Indexed in SCI)
- V. **SOLVABILITY OF NONLINEAR ELLIPTIC TYPE EQUATION WITH TWO UNRELATED NON STANDARD GROWTHS**  
SERT U., Soltanov K.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.55, no.6, pp.1337-1358, 2018 (Journal Indexed in SCI)
- VI. **ON SOLVABILITY OF A CLASS OF NONLINEAR ELLIPTIC TYPE EQUATION WITH VARIABLE EXPONENT**

SERT U., SOLTANOV K.

JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.7, no.3, pp.1139-1160, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Existence and Behavior Results for a Nonlocal Nonlinear Parabolic Equation with Variable Exponent**  
SERT U., ÖZTÜRK E.  
KYUNGPOOK MATHEMATICAL JOURNAL, vol.60, no.1, pp.145-161, 2020 (Journal Indexed in ESCI)
- II. **CERTAIN RESULTS FOR A CLASS OF NONLINEAR FUNCTIONAL SPACES**  
Soltanov K., Sert U.  
CARPATHIAN MATHEMATICAL PUBLICATIONS, vol.12, no.1, pp.208-228, 2020 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **On a class of nonlocal evolution equations of Kirchhoff type**  
Sert U.  
XXVI Congress of Differential Equations and Applications /XVI Congress of Applied Mathematics (CEDYA/CMA), 14 - 18 June 2021, pp.224
- II. **Solvability of nonlinear elliptic type equations with two unrelated non standart growths**  
Sert U.  
12th ISAAC Congress, Aveiro, Portugal, 29 July - 02 August 2019, pp.80
- III. **Existence and behavior results for a nonlocal nonlinear parabolic equation with variable exponent**  
Sert U., Öztürk E.  
7th International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 20 - 24 June 2018, pp.143
- IV. **On solvability of a class of nonlinear elliptic type equation with variable exponent**  
Sert U., Soltanov K.  
MADEA-7, Mathematical Analysis, Differential Equations and their Applications, Baku, Azerbaijan, 8 - 13 September 2015, pp.154
- V. **Existence results for a class of nonlinear elliptic equation with variable exponent**  
Sert U., Soltanov K.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, IECMSA-2013, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.214
- VI. **On a class of nonlinear filtration equation with variable exponent**  
Sert U., Soltanov K.  
International Conference on Anatolian Communications in Nonlinear Analysis, Bolu, Turkey, 3 - 06 July 2013, pp.39
- VII. **Bir sınıf fonksiyonel uzayların bazı özelliklerinin incelenmesi**  
Sert U., Soltanov K.  
XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010, pp.190

## Supported Projects

SERT U., Project Supported by Higher Education Institutions, Doğrusal olmayan değişken üstlü bir sınıf eliptik türde denklemin çözülebilirliği, 2015 - 2017