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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 Blimleri, 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 solvability of a class of degenerate Kirchhoff equations with logarithmic nonlinearity**
Sert U.
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.60, no.3, pp.565-586, 2023 (SCI-Expanded)

II. **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 (SCI-Expanded)

III. **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, vol.45, no.14, pp.8674-8700, 2022 (SCI-Expanded)

IV. **On a degenerate nonlocal parabolic equation with variable source**
SERT U., Shmarev S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.484, no.1, 2020 (SCI-Expanded)

V. **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 (SCI-Expanded)

VI. **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 (SCI-Expanded)

VII. **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 (SCI-Expanded)

Articles Published in Other Journals

I. **Existence for a Nonlocal Porous Medium Equations of Kirchhoff Type with Logarithmic Nonlinearity**

Sert U.

Turkish Journal of Mathematics and Computer Science, vol.15, no.2, pp.247-257, 2023 (Peer-Reviewed Journal)

II. **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 (ESCI)

III. **CERTAIN RESULTS FOR A CLASS OF NONLINEAR FUNCTIONAL SPACES**

Soltanov K., Sert U.

CARPATHIAN MATHEMATICAL PUBLICATIONS, vol.12, no.1, pp.208-228, 2020 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **On Applications of Certain Functional Spaces to Some Model of Nonlocal Parabolic Equations**

SERT U.

7th International Conference on Mathematics, "An Istanbul Meeting for World Mathematicans", (ICOM-2023), İstanbul, Turkey, 11 - 13 July 2023

II. **On a functional analysis approach to a class of parabolic equations with logarithmic nonlinearity**

SERT U.

7th International Conference of Mathematical Sciences, (ICMS-2023), İstanbul, Turkey, 5 - 09 July 2023

III. **On a class of nonlocal porous medium equations of Kirchhoff type**

Sert U.

6th International Conference on Mathematical Advances and Applications, (ICOMAA-2023), İstanbul, Turkey, 10 - 13 May 2023, pp.199

IV. **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

V. **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

VI. **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

VII. **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

VIII. **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

IX. **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

X. **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

Metrics

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