

Asst. Prof. SEMA YAYLA

Personal Information

Email: semasimsek@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/semasimsek>

Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Matematik, Turkey 2011 - Continues

Foreign Languages

Turkish, C1 Advanced

Research Areas

Mathematics, Differential Equations, Partial Differential Equations, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Long time behavior of semilinear wave equation with localized interior damping term under acoustic boundary condition**
ŞEN Z., YAYLA S.
Japan Journal of Industrial and Applied Mathematics, vol.40, no.2, pp.1221-1257, 2023 (SCI-Expanded)
- II. **Long-time dynamics of the 2D nonisothermal hyperbolic Cahn-Hilliard equations**
YAYLA S.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.45, pp.5513-5544, 2022 (SCI-Expanded)
- III. **Long-time dynamics of the Cahn-Hilliard equation with kinetic rate dependent dynamic boundary conditions**
Garcke H., Knopf P., YAYLA S.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.215, 2022 (SCI-Expanded)
- IV. **Dynamics of a Cauchy problem related to extensible beams under nonlocal and localized damping effects**
YAYLA S., Cardozo C. L., Jorge Silva M. A., Narciso V.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.494, no.1, 2021 (SCI-Expanded)
- V. **Long-time dynamics for a Cahn-Hilliard tumor growth model with chemotaxis**
Garcke H., YAYLA S.
ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK, vol.71, no.4, 2020 (SCI-Expanded)
- VI. **LONG-TIME DYNAMICS OF THE STRONGLY DAMPED SEMILINEAR PLATE EQUATION IN R-N**

Khanmamedov A., YAYLA S.

ACTA MATHEMATICA SCIENTIA, vol.38, no.3, pp.1025-1042, 2018 (SCI-Expanded)

VII. **Global attractors for the 2D hyperbolic Cahn-Hilliard equations**

KHANMAMEDOV A., YAYLA S.

ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK, vol.69, no.1, 2018 (SCI-Expanded)

VIII. **Global attractors for the semilinear beam equation with localized viscosity**

YAYLA S.

TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2588-2606, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Regularity of the Global Attractor for the Plate Equation with Nonlocal Nonlinearity in R^n**

YAYLA S.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 19 - 25 September 2016, vol.1863

Supported Projects

YAYLA S., Project Supported by Higher Education Institutions, Yerel olmayan Doğrusal olmayan Terime Sahip Levha Denkleminin Uzun Zaman Davranışı, 2016 - 2017

Metrics

Publication: 9

Citation (WoS): 3

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1