Prof. SAİT SAN

Personal Information

Email: ssan@ogu.edu.tr
Web: https://avesis.ogu.edu.tr/ssan

International Researcher IDs
ORCID: 0000-0002-8891-9358
Yoksis Researcher ID: 102189

Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik-Bilgisayar Bilimleri (Dr), Turkey
2011 - 2014
Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fen Bil.Enst.Md.Lüğü, Turkey 2008 - 2011
Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2004 - 2008

Dissertations

Doctorate, Kısmi diferensiyel denklemlerin korunum kanunları ve indirgemeleri, Eskisehir Osmangazi University, FEN
BİLİMLERİ ENSTİTÜSÜ, Matematik-Bilgisayar Bilimleri (Dr), 2014

Research Areas

Differential Equations, Partial Differential Equations

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü,
2015 - Continues
Research Assistant, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü,
2008 - 2015

Academic and Administrative Experience

Deputy Head of Department, Eskisehir Osmangazi University, 2021 - Continues

Courses

Matematik, Undergraduate, 2017 - 2018
Biyomatematik, Undergraduate, 2017 - 2018
Lie Gruplarının Diferensiyel Denklemler Uygulamaları 1, Postgraduate, 2017 - 2018
Genel Matematik 1, Undergraduate, 2017 - 2018, 2016 - 2017

Kuadratik Geometriler 1, Undergraduate, 2016 - 2017

Lie Gruplarının Diferensiyel Denklemlere Uygulamaları, Postgraduate, 2016 - 2017

Diferensiyel Denklemlerin Simetri Grupları ve Korunum Kanunları, Postgraduate, 2016 - 2017

İşletme Matematiği 2, Undergraduate, 2016 - 2017

Kuadratik Geometriler 2, Undergraduate, 2016 - 2017

Matematik 1, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Dynamical properties and novel wave solutions of the time-fractional extended (2+1)-dimensional Zakharov–Kuznetsov equation in plasma physics**
SAN S., Sargın S.
Optical and Quantum Electronics, vol.55, no.8, 2023 (SCI-Expanded)

II. **Extended Jacobi elliptic function solutions for general boussinesq systems**
SAN S., Altunay R.
REVISTA MEXICANA DE FISICA, vol.69, no.2, 2023 (SCI-Expanded)

III. **On the Lie symmetry analysis, analytic series solutions, and conservation laws of the time fractional Belousov–Zhabotinskii system**
SAN S., YAŞAR E.
Nonlinear Dynamics, vol.109, no.4, pp.2997-3008, 2022 (SCI-Expanded)

IV. **Invariance properties, exact and explicit solutions of time-fractional Gear-Grimshaw model**
San S., Koc B.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.19, no.11, 2022 (SCI-Expanded)

V. **Optical soliton solution analysis for the (2+1) dimensional Kundu–Mukherjee–Naskar model with local fractional derivatives**
SAN S., Seadawy A. R., YAŞAR E.
Optical and Quantum Electronics, vol.54, no.7, 2022 (SCI-Expanded)

VI. **On analytic series solutions and conserved fluxes of the time fractional (2+1)-dimensional Burger's system via invariant approach**
SAN S., Kumari P., Kumar S.
Waves in Random and Complex Media, 2021 (SCI-Expanded)

VII. **ON THE EXACT SOLUTIONS AND CONSERVATION LAWS TO THE BENJAMIN-ONO EQUATION**
Kaplan M., SAN S., Bekir A.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.8, no.1, pp.1-9, 2018 (SCI-Expanded)

VIII. **Conservation laws and double reduction of (2+1) dimensional Calogero-Bogoyavlenskii-Schiff equation**
SAN S., Akbulut A., ÜNSAL Ö., TAŞCAN F.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.40, no.5, pp.1703-1710, 2017 (SCI-Expanded)

IX. **On the Conservation Laws of Modified KdV-KP Equation**
YAŞAR E., SAN S.
FILOMAT, vol.31, no.6, pp.1483-1490, 2017 (SCI-Expanded)

X. **Invariant analysis of nonlinear time fractional Qiao equation**
SAN S.
NONLINEAR DYNAMICS, vol.85, no.4, pp.2127-2132, 2016 (SCI-Expanded)

XI. **A Procedure to Construct Conservation Laws of Nonlinear Evolution Equations**
YAŞAR E., SAN S.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.71, no.5, pp.475-480, 2016 (SCI-Expanded)

XII. **Nonlinear self adjointness, conservation laws and exact solutions of ill-posed Boussinesq equation**
YAŞAR E., SAN S., SAĞLAM ÖZKAN Y.

OPEN PHYSICS, vol.14, no.1, pp.37-43, 2016 (SCI-Expanded)

XIII. **Conservation Laws and Soliton Solutions of the (1+1)-Dimensional Modified Improved Boussinesq Equation**
GÜNER Ö., SAN S., Bekir A., YAŞAR E.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.70, no.8, pp.669-672, 2015 (SCI-Expanded)

XIV. **On the conservation laws of Derrida-Lebowitz-Speer-Spohn equation**
SAN S., YAŞAR E.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.22, pp.1297-1304, 2015 (SCI-Expanded)

XV. **Construction of periodic and solitary wave solutions for the complex nonlinear evolution equations**
ÇEVİKEL A. C., Bekir A., SAN S., GÜCEN M. B.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.351, no.2, pp.694-700, 2014 (SCI-Expanded)

XVI. **On the Conservation Laws and Exact Solutions of a Modified Hunter-Saxton Equation**
SAN S., YAŞAR E.
ADVANCES IN MATHEMATICAL PHYSICS, vol.2014, 2014 (SCI-Expanded)

XVII. **Bright and Dark Soliton Solutions of the (2+1)-Dimensional Evolution Equations**
Bekir A., ÇEVİKEL A. C., Guner O., SAN S.
MATHEMATICAL MODELLING AND ANALYSIS, vol.19, no.1, pp.118-126, 2014 (SCI-Expanded)

XVIII. **A procedure to construct exact solutions of nonlinear evolution equations**
ÇEVİKEL A. C., Bekir A., AKAR M., SAN S.
PRAMANA-JOURNAL OF PHYSICS, vol.79, no.3, pp.337-344, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **SOLITON SOLUTIONS OF THE PAINLEVÉ- BÄCKLUND EQUATION USING THE RATIONAL (G'/G) EXPANSION METHOD**
san s., Kaymak K.
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.23, no.45, pp.1-13, 2024 (Peer-Reviewed Journal)

II. **Abundant traveling wave solutions of 3+1 dimensional Boussinesq equation with dual dispersion**
SAN S., Altunay R.
Revista Mexicana de Fisica E, vol.19, no.2, 2022 (Scopus)

III. **Application of the Generalized Kudryashov Method to Various Physical Models**
SAN S., Altunay R.
Applied Mathematics& Information Sciences Letters, 2021 (Peer-Reviewed Journal)

IV. **NONLINEAR SELF ADJOINTNESS AND EXACT SOLUTION OF FOKAS-OLVER-ROSENAU-QIAO (FORQ) EQUATION**
TAŞCAN F., ÜNSAL Ö., Akbulut A., SAN S.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.2, pp.317-326, 2018 (ESCI)

V. **Lie Symmetry Analysis and Conservation Laws of Non Linear Time Fractional WKI Equation**
SAN S.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.13, no.1, pp.55-61, 2017 (Peer-Reviewed Journal)

VI. **Periodic hyperbolic and rational function solutions of nonlinear wave equations**
BEKİR A., SAN S.
Applied MathematicsInformation Sciences, 2013 (Peer-Reviewed Journal)

VII. **The Functional Variable Method to Some Complex Nonlinear Evolution Equations**
BEKİR A., SAN S.
Journal of Modern Mathematics Frontier, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **EXACT SOLUTIONS AND CONSERVATION LAWS OF THE CH-KP EQUATION**
SAN S.
International Conference of Applied Sciences, Engineering and Mathematics, 5 - 07 May 2017

II. **Group analysis and conservation laws of non linear timefractional dispersive equation**
SAN S.
International conference on quantum science and applications, 25 - 27 May 2016

III. **A procedure to construct conservation laws of nonlinearevolution equations**
SAN S., YAŞAR E.
International conference on quantum science and applications, 25 - 27 May 2016

IV. **Nonlinear self adjointness conservation laws and exact solutions for ill posed Boussinesq equation**
SAĞLAM ÖZKAN Y., SAN S., YAŞAR E.
icaamm 2015, 8 - 12 June 2015

V. **Lie Symmetry Analysis and Conservation Laws of Zoomeron equation**
SAN S., YAŞAR E.
iecmsa 2013, 26 - 29 August 2013

VI. **An Algebraic Procedure to Construct Exact Solutions of Nonlinear Evolution Equations**
ÇEVİKEL A. C., BEKİR A., SAN S., AKAR M.
SIAM Conference on Analysis of Partial Differential Equations 2011, 14 - 17 November 2011

Metrics

Publication: 31
Citation (WoS): 80
Citation (Scopus): 75
H-Index (WoS): 4
H-Index (Scopus): 5