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Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri, Matematik/ Uygulamalı Matematik, Turkey 2013 - 2018
Postgraduate, Celal Bayar Üniversitesi, Fen Bilimleri, Matematik/ Uygulamalı Matematik, Turkey 2011 - 2013
Undergraduate, Celal Bayar Üniversitesi, Fen Edebiyat, Matematik, Turkey 2007 - 2011

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, TERS STURM-LİOUVİLLE PROBLEMİNDE VARLIK-TEKLİK VE POTANSİYELİN İNŞAASI, Van Yüzüncü Yil University, Fen Fakültesi, Matematik/ Uygulamalı Matematik, 2018
Postgraduate, birinci mertebeden adi diferansiyel denklemlerin Lie simetrileri üzerine, Celal Bayar Üniversitesi, Fen Edebiyat Fakültesi, Matematik/ Uygulamalı Matematik, 2013

Research Areas

Mathematics, Differential Equations, Operators, Special Functions, Potential Theory, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2019 - Continues
Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **AN INVERSE STURM-LIOUVILLE PROBLEM WITH A GENERALIZED SYMMETRIC POTENTIAL**
Eskitascioglu E. I., Açil M.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **A SOLUTION TO INVERSE STURM-LIOUVILLE PROBLEMS**
Açil M., Bildik N.
ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL, vol.10, no.9, pp.1-10, 2021 (Peer-Reviewed Journal)

II. **Reconstruction of potential function in inverse Sturm-Liouville problem via partial data**
Açil M., Konuralp A.
International Journal of Optimization and Control: Theories and Applications, vol.11, no.2, pp.186-198, 2021 (Scopus)

III. **Schrödinger Equation Via Laplace-Beltrami Operator**
Eskitascıoğlu E. İ., Açil M.
IOSR-JM, vol.13, no.6, pp.91-95, 2017 (Peer-Reviewed Journal)

IV. **Finding the Lie Symmetries of Some First-Order Odes via Induced Characteristic**
Açil M., Konuralp A., Bildik N.
CBU J. of Sci, vol.13, no.2, pp.275-278, 2017 (Peer-Reviewed Journal)

V. **A Physical Interpretation of Riesz Potential**
Eskitascıoğlu E. İ., Açil M.
IOSR Journal of Mathematics, vol.12, no.4, pp.84-88, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **AN INVERSE RECONSTRUCTION PROBLEM**
Açil M.
6th INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Ordu, Turkey, 20 - 22 May 2022, pp.370

II. **An Inverse Sturm-Liouville Problem on Bounded Time Scales**
Açil M., Konuralp A.
Frontiers in Industrial and Applied Mathematics (FIAM-2021), Panaji, India, 21 - 22 December 2021, pp.330

III. **A Solution of Schrödinger Equation with Laplace-Beltrami Operator**
Açil M., Eskitascıoğlu E. İ.
ICMME-2017, Şanlıurfa, Turkey, 11 - 13 May 2017, pp.127-128

IV. **Finding the Lie symmetries of some first-order ODEs via induced characteristic**
Açil M., KONURALP A.
Mathematics: Applied, Ohrid, Macedonia, 21 - 24 August 2016, pp.5

V. **Physical Interpretation of Riesz Potential**
Açil M., Eskitascıoğlu E. İ., Karagöz M.
IECMSA-2014, Viyana, Austria, 25 - 28 August 2014, pp.210

VI. **RIESZ POTANSİYELİNİN FİZİKSEL OLARAK ÇEKİM KUVVETLERİNE UYARLANMASI**
Açil M., Eskitascıoğlu E. İ.
12. Matematik sempozyum3, Karabük, Turkey, 15 - 17 May 2014, pp.150

VII. **BİRİNCİ MERTEBEDEN DİFERANSİYEL DENKLEMLERİN LİE SİMETRİLERİ ÜZERİNE**
Açil M., BİLDİK N.
12. Matematik sempozyumu, Ankara, Turkey, 23 - 25 May 2013, pp.276

VIII. **On the Lie Symmetries of First-order Ordinary Differential Equations**
Bildik N., Accl M.
11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Greece, 21 - 27 September 2013, vol.1558, pp.2575-2578

Metrics

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