

## Asst. Prof. MERVE ARSLANTAŞ

### Personal Information

**Email:** mguray@cumhuriyet.edu.tr

**Web:** <https://avesis.cumhuriyet.edu.tr/mguray>

### International Researcher IDs

ScholarID: rgP-nBQAAAAJ

ORCID: 0000-0002-0493-4551

Publons / Web Of Science ResearcherID: HWQ-3849-2023

ScopusID: 57219128588

Yoksis Researcher ID: 103078

### Education Information

Doctorate, Turkey 2011 - 2017

Postgraduate, Turkey 2008 - 2011

Undergraduate, Turkey 2004 - 2008

### Dissertations

Doctorate, Sonlu sayıda süreksizlik noktasına sahip süreksiz katsayılı Dirac operatörü için düz ve ters problemler, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2017

Postgraduate, Süreksizlik koşullarına sahip coulomb potansiyelli Sturm-Liouville operatörü için düz ve ters problemler, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2011

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Sivas Teknik Bilimler Meslek Yüksekokulu, Elektronik Ve Otomasyon, 2009 - Continues

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

- Inverse nodal problem for singular Sturm-Liouville operator on a star graph**  
AMİROV R., ARSLANTAŞ M., DURAK S.  
Journal of Inverse and Ill-Posed Problems, vol.32, no.1, pp.1-8, 2024 (SCI-Expanded)
- Inverse problems for discontinuous Dirac operator with eigenparameter dependent boundary and transmission conditions**  
GÜLDÜ Y., ARSLANTAŞ M.  
Numerical Methods for Partial Differential Equations, 2023 (SCI-Expanded)

**III. Application of spectral mapping method to Dirac operator**

AMİROV R., ARSLANTAŞ M.

TURKISH JOURNAL OF MATHEMATICS, vol.44, no.5, pp.1852-1870, 2020 (SCI-Expanded)

**Articles Published in Other Journals**

**I. Half-Inverse Problem For Dirac Operator With Boundary And Transmission Conditions Dependent Spectral Parameter Polynomially**

Arslantaş M., Güldü Y.

Cumhuriyet Science Journal, vol.40, no.4, pp.902-908, 2019 (Peer-Reviewed Journal)

**II. Direct and Inverse Problems for Sturm-Liouville Operator Which Has Discontinuity Conditions and Coulomb Potential**

GÜLDÜ Y., ARSLANTAŞ M.

Chinese Journal of Mathematics, vol.2014, pp.1-10, 2014 (Peer-Reviewed Journal)

**Refereed Congress / Symposium Publications in Proceedings**

**I. Inverse Eigenvalue Problems For Dirac Operator With Finite Number Of Transmission Conditions**  
ARSLANTAŞ M., GÜLDÜ Y.

International Conference on Mathematics and Mathematics Education, 11 - 13 May 2017

**II. Direct Problem for Dirac Operator with Discontinuity Coefficient**

GÜLDÜ Y., ARSLANTAŞ M.

II. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 1 - 06 May 2015

**Metrics**

Publication: 7