

Prof. MURAT ŞAT

Personal Information

Office Phone: [+90 446 224 3032](tel:+904462243032) Extension: 40094

Email: msat@erzincan.edu.tr

Post Address: Erzincan Binali Yıldırım Üniversitesi Yalnızbağ Yerleşkesi Fen Edebiyat Fakültesi Matematik Bölümü ERZİNCAN-TÜRKİYE

Education Information

Doctorate, Fırat Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Anabilim Dalı, Turkey 2008 - 2012

Post Graduate, Atatürk Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, Analiz Ve Fonksiyonlar Teorisi, Turkey 2005 - 2007

Under Graduate, Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Singüler Dirac Operatörünün Spektral Teorisi, Fırat Üniversitesi, Fen-Bilimleri Enstitüsü, Matematik, 2012

Post Graduate, Univalent Fonksiyonların Ters Katsayıları, Atatürk Üniversitesi, Fen-Bilimleri Enstitüsü, Matematik, Analiz Ve Fonksiyonlar Teorisi, 2007

Research Areas

Mathematics, Functional Analysis, General Mathematics, Functions of a Complex Variable, Operators, Special Functions, Potential Theory, Natural Sciences

Academic Titles / Tasks

Professor, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2019 - Continues

Associate Professor, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2014 - 2019

Assistant Professor, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2014

Research Assistant, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2012

Research Assistant, Atatürk Üniversitesi, Erzincan, Fen-Edebiyat Fakültesi, Matematik, 2005 - 2006

Professional Experience

Fakülte Kurulu Üyesi, Erzincan Binali Yıldırım University, Güzel Sanatlar Fakültesi, 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, Erzincan Binali Yıldırım University, Güzel Sanatlar Fakültesi, 2020 - Continues

Head of Department, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2019 - Continues

Member of the Senate, Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2019 - Continues

Academic Board Member, Erzincan Binali Yıldırım Üniversitesi, Tercan Meslek Yüksekokulu, 2018 - Continues

Deputy Head of Department, Erzincan Binali Yıldırım University, 2017 - 2020

Erasmus Coordinator, Erzincan Üniversitesi, 2005 - 2006

Advising Theses

ŞAT M., Sturm-Liouville Problemi için düzenlenmiş izin hesabı ve integral denklemleri metodu ile açılım teoreminin ispatı, Post Graduate, S.DEMİRKALE(Student), 2016
ŞAT M., Hipergeometrik Fonksiyonların Kuruluşu, Tek ve Çift Serili Hipergeometrik Fonksiyonların Kullanım Yeri ve Örnekleri, Post Graduate, E.BİLGİN(Student), 2015

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Erzincan Binali Yıldırım University, February, 2020
Post Graduate, Tez savunma jüriliği, Cumhuriyet Üniversitesi, August, 2019
Appointment Academic Staff, Atama, Erzincan Binali Yıldırım Üniversitesi, August, 2019
Post Graduate, Tez savunma jüriliği, Cumhuriyet Üniversitesi, April, 2019
Appointment Academic Staff, Yeniden Atama, Erzincan Binali Yıldırım Üniversitesi, December, 2018
Appointment Academic Staff, Yeniden Atama, Erzincan Binali Yıldırım Üniversitesi, December, 2018
Post Graduate, Tez savunma jüriliği, Adıyaman Üniversitesi, September, 2018
Appointment Academic Staff, Atama, Cumhuriyet Üniversitesi, July, 2018
Doctorate, Doktora Tez sınav jürisi, Kocaeli Üniversitesi, June, 2018
Appointment Academic Staff, Yeniden Atama, Erzincan Üniversitesi, April, 2018
Competence In Art, Doktora Yeterlilik Sınavı Jüri Üyeliği, Erzincan Üniversitesi, June, 2017
Appointment Academic Staff, Bilimsel Jüri Değerlendirilmesi, Erzincan Üniversitesi, December, 2016
Post Graduate, Tez Savunma Jürisi, Cumhuriyet Üniversitesi, March, 2016
Appointment Academic Staff, Bilimsel Jüri Değerlendirilmesi, Cumhuriyet Üniversitesi, January, 2016
Doctorate, Tez Savunma Jürisi, Gaziosmanpaşa Üniversitesi, September, 2015
Appointment Academic Staff, Bilimsel Jüri Değerlendirilmesi, Bitlis Eren Üniversitesi, August, 2015
Competence In Art, Doktora Yeterlilik Sınavı, Fırat Üniversitesi, May, 2015
Doctorate, Tez Savunma Jürisi, Fırat Üniversitesi, May, 2015
Appointment Academic Staff, Bilimsel Jüri Değerlendirilmesi, Erzincan Üniversitesi, April, 2015
Appointment Academic Staff, Bilimsel Jüri Değerlendirilmesi, Cumhuriyet Üniversitesi, March, 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Inverse nodal problem for the Sturm-Liouville operator with a weight**
Zhang R., Şat M., Yang C.
Applied Mathematics-A Journal Of Chinese Universities Series B, vol.25, pp.193-202, 2020 (Journal Indexed in SCI Expanded)
- **A partial inverse problem for the Sturm-Liouville operator on quantum graphs with a loop**
Guan S., Yang C., Sat M.
Acta Mathematica Scientia, vol.2020, pp.1-11, 2020 (Journal Indexed in SCI Expanded)
- **Inverse resonance problems with the discontinuous conditions**
Zhang R., Sat M., Yang C.
Applied Mathematics-A Journal Of Chinese Universities Series B, vol.2020, pp.1-17, 2020 (Journal Indexed in SCI Expanded)
- **Inverse nodal problems for integro-differential operators with a constant delay**
Sat M., Shieh C. T.
JOURNAL OF INVERSE AND ILL-POSED PROBLEMS, vol.27, pp.501-509, 2019 (Journal Indexed in SCI)
- **On the inverse problem for Sturm-Liouville operators with boundary conditions dependent on the spectral parameter**
Sat M.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2017, no.26, pp.1-7, 2017 (Journal Indexed in SCI Expanded)
- **On the half inverse spectral problem for an integro-differential operator**

Buterin S. A. , Sat M.

INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, vol.25, pp.1508-1518, 2017 (Journal Indexed in SCI)

- **A UNIQUENESS THEOREM ON THE INVERSE PROBLEM FOR THE DIRAC OPERATOR**

Wang Y. P. , Sat M.

ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, no.155, 2016 (Journal Indexed in SCI)

- **Inverse problem for the quadratic pencil of the Sturm-Liouville equations**

Panakhov E. S. , Tas K., Sat M.

AIP ADVANCES, vol.1648, pp.8-15, 2015 (Journal Indexed in SCI Expanded)

- **Half Inverse Problem for the Sturm-Liouville Operator with Coulomb potential**

Sat M.

APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, pp.501-504, 2014 (Journal Indexed in SCI)

- **Spectral problem for diffusion operator**

Sat M., Panakhov E. S.

APPLICABLE ANALYSIS, vol.93, pp.1178-1186, 2013 (Journal Indexed in SCI Expanded)

- **Inverse problem for the interior spectral data of the equation of hydrogen atom**

Panakhov E. S. , Sat M.

UKRAINIAN MATHEMATICAL JOURNAL, vol.64, pp.1716-1726, 2013 (Journal Indexed in SCI)

- **Reconstruction of potential function for Sturm-Liouville operator with Coulomb potential**

Panakhov E. S. , Sat M.

BOUNDARY VALUE PROBLEMS, 2013 (Journal Indexed in SCI)

- **A Uniqueness Theorem for Bessel Operator from Interior Spectral Data**

Sat M., Panakhov E. S.

ABSTRACT AND APPLIED ANALYSIS, 2013 (Journal Indexed in SCI)

- **On the Determination of the Singular Sturm-Liouville Operator from Two Spectra**

Panakhov E. S. , SAT M.

CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.84, pp.1-11, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Interior inverse problem for Sturm-Liouville operator with eigenparameter dependent boundary conditions**

Sat M.

Bulletin of the Transilvania University of Braşov – Series III Mathematics, Informatics, Physics, vol.10, no.2, pp.129-143, 2017 (International Refereed University Journal)

- **Wellposedness of the inverse problem for Dirac operator**

Sat M., Panakhov E. S. , Tas K.

Chinese Journal of Mathematics, vol.2013, pp.1-10, 2013 (International Refereed University Journal)

- **A hochstadt-lieberman theorem for integro-differential operator**

Sat M., Yilmaz E.

International Journal of Pure and Applied mathematics, vol.88, pp.413-423, 2013 (Refereed Journals of Other Institutions)

- **On an inverse spectral problem for an integro-differential operator**

Panakhov E. S. , Sat M.

World Applied Sciences Journal, vol.18, pp.1571-1575, 2012 (Refereed Journals of Other Institutions)

- **Inverse nodal problem for sturm-liouville operators with coulomb potential**

Sat M., Panakhov E. S.

International Journal of Pure and Applied mathematics, vol.80, pp.173-180, 2012 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **An inverse spectral problem for integro differential operators with frozen argument**

SAT M.

4nd International Conference on Computational Mathematics and Engineering Sciences, Antalya, Turkey, 20 - 22 April 2019, pp.34

- **"On the inverse spectral problem for Sturm-Liouville operator having special singularity**

SAT M., Penahov E., KAYALAR M.

The 6th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 11 - 13 July 2018, pp.1-8

- **Inverse spectral problem for Dirac operators with frozen argument**

SAT M.

3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kktc), 4 - 06 May 2018, pp.20

- **The calculation of the regularization trace of the Schrödinger equation with energy-dependent potential**

SAT M., Cetin M.

3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kktc), 4 - 06 May 2018, pp.11

- **On the half inverse spectral problem for Dirac operator with an integral delay**

SAT M.

VI Congress of the Turkic World Mathematical Society, Astana, Kazakhstan, 2 - 05 October 2017, pp.15

- **Inverse problem for Sturm-Liouville operator with eigenparameter dependent boundary conditions**

Sat M.

28th Crimean Autumn Mathematical School-Symposium, Crimean, Russia, 17 - 29 September 2017, pp.133

- **Inverse problem for Sturm-Liouville operator with singularity**

Sat M.

2nd International Conference on Computational Mathematics and Engineering Sciences, İstanbul, Turkey, 20 - 22 May 2017, pp.142

- **Inverse problem for diffusion operators on the finite interval**

ŞAT M., Panakhov E. S.

10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), Narvik, Norway, 15 - 18 July 2014, vol.1637, pp.968-975

- **A uniqueness theorem for singular Dirac operator**

Panakhov E. S. , Sat M.

2 st International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 October 2013, pp.158

- **Half inverse problem for singular Dirac operator**

Panakhov E. S. , Sat M.

The 12 th International Workshop on Dynamical Systems and Applications, Ankara, Turkey, 12 - 15 October 2013, pp.41

- **A uniqueness theorem for singular for singular differential operator**

Panakhov E. S. , Sat M.

The second international scientific conference actual problems of control theory, Bişkek, Kyrgyzstan, 24 - 28 September 2013, pp.87

- **On the wellposedness problem for Dirac operator**

Sat M., Panakhov E. S.

International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 2 - 05 July 2013, pp.329

- **On the inverse problem for singular Sturm-Liouville operators**

Panakhov E. S. , Sat M.

1 st International Eurasian Conference on Mathematical Sciences and Applications, Piriştina, Kosova, 19 - 21 September 2012, pp.55

- **On the determination of the Diffusion operator from two spectra**

Sat M., Panakhov E. S.

Mathematical Analysis Differential Equations and Their Applications, Mersin, Turkey, 4 - 09 September 2012, pp.93

- **Inverse problem for interior spectral data of the Hydrogen equation**

Sat M., Panakhov E. S.

The 11 th International Workshop on Dynamical Systems and Applications, Ankara, Turkey, 26 - 28 July 2012, pp.22

- **On the determination of the singular Sturm-Liouville operator from two spectra**

Panakhov E. S. , Sat M.

International Conference on Computational and experimental Engineering and Sciences, Zonguldak, Turkey, 6 - 10 September 2011, pp.49

- **On the Inverse Problem For Singular Sturm-Liouville Operator**

KAYALAR M., SAT M.

The 4th Congress Of The Turkic WorldMathematical Society(TWMS), Baku, Azerbaijan, 1 - 03 July 2011, pp.225

- **A Hochstadt-Lieberman Theorem For Singular Sturm-Liouville Operator**

SAT M., KAYALAR M.

A Hochstadt-Lieberman Theorem For Singular Sturm-Liouville Operator, Baku, Azerbaijan, 1 - 03 July 2011, pp.268

- **On the inverse problem for singular canonical Dirac operator**

Panakhov E. S. , Sat M.

5. Ankara Matematik Günleri, Ankara, Turkey, 3 - 04 June 2010, pp.61

Citations

Total Citations (WOS):39

h-index (WOS):4