Prof. Cesim Temel

Personal Information

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International Researcher IDs
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Biography

Briefly, regarding my experience and educational background, I would like to present my attached CV. I was born in Van, the city of the sun in 1969. I completed my undergraduate degree at Van Yuzuncu Yil University, Faculty of Science, Department of Mathematics in 1994. I received the title of Ph.D. at Van Yuzuncu Yil University, Institute of Science, Department of Mathematics in 2003. I became the Associate Professor (in 2013) and Professor (in 2018) in the field of Analysis and Functions Theory. I have been working as the head of the department of Analysis and Functions Theory since 2013. The Senate membership and Education Coordinator membership of Van Yuzuncu Yil University has been continuing since 2015. I have been working as a researcher and lecturer at Van Yuzuncu Yil University since 1998.

Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1997 - 2003
Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1994 - 1997
Undergraduate, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Foreign Language, İngilizce Pratik Programı, Ireland, Swan Trainning Institute, 2016
Foreign Language, İngilizce Pratik Programı, YÜZEM, 2016

Dissertations

Doctorate, Bazı Sınıf Banach Cebirlerinin Tamamen Sürekliliği Üzerine, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, 2003

Postgraduate, Mutlak Hemen Hemen Yakınsaklık Yardımıyla Tanımlanan Dizi Uzayları, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, 1996

Research Areas

Mathematics, Functional Analysis, Operators, Natural Sciences

Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2013 - 2018

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2004 - 2013

Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2003 - 2004

Academic and Administrative Experience

Director Of Junior College, Van Yüzüncü Yil University, 2019 - Continues

Member of the Senate, Van Yüzüncü Yil University, Rektörlük, 2019 - Continues

Coordinator of The Rectorate, Van Yüzüncü Yil University, Rektörlük, Eğitim - Öğretim Koordinatörlüğü Temsilcisi, 2017 - Continues

Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2015 - Continues

Courses

Analiz-IV, Undergraduate, 2018 - 2019, 2016 - 2017

Banach Cebirler-I, Doctorate, 2018 - 2019

Operatörler Teorisi-II, Doctorate, 2018 - 2019

Banach Cebirler-II, Postgraduate, 2018 - 2019

Operatörler Teorisi II, Postgraduate, 2018 - 2019

Banach Cebirler-I, Postgraduate, 2018 - 2019

Operatörler Teorisi I, Postgraduate, 2018 - 2019

İleri Analiz-II, Postgraduate, 2017 - 2018, 2016 - 2017

Banach Cebirleri-II, Doctorate, 2016 - 2017

Operatörler Teorisi-I, Postgraduate, 2016 - 2017

Analiz-IV, Undergraduate, 2015 - 2016, 2014 - 2015

Operatörler Torisi-II, Doctorate, 2015 - 2016

Banach Cebirleri-II, Postgraduate, 2015 - 2016, 2014 - 2015

Operatörler Torisi-I, Doctorate, 2015 - 2016

İleri Analiz-II, Postgraduate, 2015 - 2016, 2014 - 2015

Analiz-III, Undergraduate, 2015 - 2016, 2014 - 2015

Operatörler Torisi-II, Postgraduate, 2014 - 2015

Advising Theses

Temel C., On Some Fixed Point Theorems of Krasnoselskii, Postgraduate, R.İssa(Student), 2017

Temel C., Bir Operatör Cebirinin Kompakt Operatörleri Kapsaması Üzerine, Postgraduate, F.Çakır(Student), 2013

Temel C., Hilbert uzayları üzerinde Adjoint, Self-Adjoint ve Kompakt Operatörler, Postgraduate, S.Yüksek(Student), 2009

Temel C., Banach Uzaylarının Bazı Özellikleri, Postgraduate, G.Ş.(Student), 2009

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Afyon Kocatepe Üniversitesi, September, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. **ON SOME RESULTS OF KRASNOSELSKII THEOREM FOR WEAK TOPOLOGY IN BANACH SPACES**
    Temel C.
    FIXED POINT THEORY, vol.21, no.1, pp.309-318, 2020 (SCI-Expanded)

II. **MULTIVALUED TYPES OF KRASNOSELSKII'S FIXED POINT THEOREM FOR WEAK TOPOLOGY**
    Temel C.
    UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND
    PHYSICS, vol.81, no.2, pp.139-148, 2019 (SCI-Expanded)

III. **Contractions on Hilbert space with the smallest local unitary spectra**
    Temel C.
    SCIENTIFIC RESEARCH AND ESSAYS, vol.7, no.33, pp.2977-2982, 2012 (SCI-Expanded)

IV. **Homomorphisms of C *-Algebras**
    Temel C.
    Applied Mathematics and Information Sciences, vol.6, no.1, pp.71-73, 2012 (SCI-Expanded)

V. **Compact homomorphisms of regular banach algebras**
    Mustafayev H., Temel C.
    Mathematische Nachrichten, vol.284, no.4, pp.518-525, 2011 (SCI-Expanded)

VI. **Local spectral properties of generators of C-0-groups and Bernstein type inequalities**
    Mustafayev H., Temel C.
    JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.357, no.1, pp.273-283, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **SOME FIXED POINT THEOREMS FOR MULTIVALUED KRASNOSEL'SKII-TYPE EQUATIONS UNDER WEAK
    TOPOLOGY**
    Temel C., Selah M.
    Journal of Mathematical Analysis, vol.15, no.1, pp.1-12, 2024 (ESCI)

II. **Mutlak ve Kuvvetli Hemen Hemen Yakınsaklık Yardımıyla Tanımlanan Dizi Uzayları**
    Kara H., Temel C.
    Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, no.1, pp.83-88, 1998 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Some New Fixed Point Theorems for Nonlinear inclusions**
    Temel C., Polat S.
    8th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2019), Baku,

Azerbaijan, 27 - 30 August 2019, vol.1, no.1, pp.49

II. **Krasnoselskii fixed point theorem for singlevalued operators and multivalued operators,**
Temel C.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13
September 2018, vol.1, no.1, pp.133

III. **Krasnoselskii's fixed point theorem for multivalued operators,**
Temel C.
7th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2018)., Kiyev, Ukraine,
28 - 31 August 2018, vol.1, no.1, pp.43

IV. **Some results of Krasnoselskii's theorem on general Banach spaces**
Temel C.
Caucasian Mathematics Conference (CMC-II),, Van, Turkey, 22 - 24 August 2017, vol.1, no.1, pp.128

V. **The Fixed Point of the Sum of Nonlinear Operators in WC-Banach Algebras Relative to the Weak Topology**
Temel C., Çakır M.
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18
August 2017, pp.49

VI. **Some Results on Fixed Points of Contractive Operator in Banach Spaces**
Temel C., Çakır M.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017,
pp.161

VII. **Uniform Convergence of a Finite Difference Method for a Singularly Perturbed Semilinear Boundary Value Problem With Integral Boundary Conditions, İstanbul Gelişim Üniversitesi,**
Cakır M., Temel C., Isleyen S.
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July
2017, vol.1, no.1, pp.150

VIII. **Some Results on Fixed Points of Contractive Operator in Banach Spaces, July 3-7, 2017, İstanbul Gelişim Üniversitesi, Istanbul-Turkey**
Temel C., Çakır M.
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July
2017, vol.1, no.1, pp.161

IX. **Uniform Convergence of a Finite Difference Method for a Singularly Perturbed Semilinear Boundary Value Problem with Integral Boundary Conditions**
Çakır M., Temel C., İşleyen Ş.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017,
pp.150

X. **On Fixed Point Theorem of Krasnoselskii Type**
Temel C.
2nd International Conference on Pure and Applied Sciences, İstanbul, Turkey, 1 - 05 June 2016, vol.1, no.1, pp.173

XI. **Multipliers with Natural Spectra on Commutative Banach Algebras**
Temel C.
Temel, C., Multipliers with Natural Spectra 4th International Eurasian Conference on Mathematical Sciences and
Applications (IECMSA-2015),, Atina, Greece, 31 August - 03 September 2015, vol.1, no.1, pp.67

XII. **Mixing type theorem for power bounded measures**
Temel C., Mustafayev H.
International Conference on Pure and Applied Mathematics(ICPAM 2015), Van, Turkey, 25 - 28 August 2015, vol.1,
no.1, pp.67

XIII. **On Completely Continuity of the Algebra**
Temel C.
3rd International Eurasian Conference on Mathematical Sciences and Application, IECMSA-2014s, Vienna, Austria,
25 - 28 August 2014, vol.1, no.1, pp.67

XIV. **Growth conditions for operators with one-point spectrum**
Temel C., Mustafayev H.
XXIV. Ulusal Matematik Sempozyumu, Diyarbakır, Turkey, 4 - 07 September 2013, vol.1, no.1, pp.67

Supported Projects

Temel C., Project Supported by Higher Education Institutions, Lineer Olmayan İçermeler için Bazı Yeni Sabit Nokta Teoremleri, 2019 - 2019

Temel C., Project Supported by Higher Education Institutions, Çok Değerli Operatörler için Krasnoselskii Sabit Nokta Teoremi, 2018 - 2018

Temel C., Project Supported by Higher Education Institutions, WC-Banach Cebirlerinin Zayıf Topolojisi Üzerinde Lineer Olmayan Operatörlerin Toplamının Sabit Noktası Üzerine, 2017 - 2017

Mustafayev H., Temel C., Project Supported by Higher Education Institutions, Tek Parametreli ve Diskret Yarımgrupların Banach ve Hilbert Temsillerinin Üretici Operatörlerinin Yerel Spektral Özellikleri, 2013 - 2016

Mustafayev H., Temel C., Project Supported by Higher Education Institutions, Grupların Banach ve Hilbert Temsillerinin Üretici Operatörlerinin Spektral Özellikleri., 2008 - 2010

Mustafayev H., Temel C., Project Supported by Higher Education Institutions, Banach ve Hilbert Uzaylarıda Operatörlerin Doğurduğu Cebirler ve Onların Spektrumu, 2006 - 2009

Activities in Scientific Journals

Journal of Applied Mathematics and Computation, Committee Member, 2019 - Continues
SCIREA Journal of Mathematics, Committee Member, 2018 - Continues
Van Yüzüncü Yıl Üniversitesi Fen Bilimleri Dergisi, Assistant Editor/Section Editor, 2017 - 2018

Scientific Refereeing

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, May 2022
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, SCI Journal, May 2022
Journal of the Egyptian Mathematical Society, Journal Indexed in ESCI, February 2021
Conference Proceedings of Science and Technology, Other journals, October 2019
Turkish journal of mathematics, SCI Journal, August 2019
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2018
Universal Journal of Mathematics and Applications, Other Indexed Journal, October 2018
Universal Journal of Mathematics and Applications, Other Indexed Journal, October 2018

Tasks In Event Organizations

Temel C., 4th International Conference on Pure and Applied Sciences: Renewable Energy , Scientific Congress, İstanbul, Turkey, Kasım 2017

Temel C., 2nd International Conference on Pure and Applied Sciences, Yildiz Technical University, Scientific Congress, İstanbul, Turkey, Temmuz 2016

Temel C., International Conference on Pure and Applied Mathematics (ICPAM 2015), Van Yuzuncu Yil University, Scientific Congress, Van, Turkey, Ağustos 2015

Metrics

Congress and Symposium Activities

8th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2019), Baku, Azerbaijan 2019., Session Moderator, Baku, Azerbaijan, 2019

Temel C., Polat S., "Some New Fixed Point Theorems for Nonlinear inclusions", 8th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2019), Attendee, Baku, Azerbaijan, 2019

2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), September 11-13, Van, Turkey, 2018., Session Moderator, Van, Turkey, 2018

Krasnoselskii fixed point theorem for singlevalued operators and multivalued operators, 2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), September 11-13, p. 133, Van, Turkey, 2018., Attendee, Van, Turkey, 2018

7th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2018), Kyiv, Ukraine, 2018., Session Moderator, Kyyiv, Ukraine, 2018

Krasnoselskii's fixed point theorem for multivalued operators, 7th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2018), August 28-31, p.43, Kyiv, Ukraine, 2018., Attendee, Kyyiv, Ukraine, 2018

6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), 15-18 August, Budapest, HUNGARY, Session Moderator, Budapest, Hungary, 2017

Temel, C., The Fixed Point of the Sum of Nonlinear Operators in WC-Banach Algebras Relative to the Weak Topology, 6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), 15-18 August, Budapest, HUNGARY, Attendee, Budapest, Hungary, 2017

Caucasian Mathematics Conference (CMC-II), August 22 - 24, Van, Turkey, 2017, Session Moderator, Van, Turkey, 2017

C. Temel, Some results of Krasnoselskii's theorem on general Banach spaces, Caucasian Mathematics Conference (CMC-II), August 22 - 24, Van, Turkey, 2017, Attendee, Van, Turkey, 2017

Caucasian Mathematics Conference (CMC-II), August 22 - 24, Van, Turkey, 2017, Session Moderator, Van, Turkey, 2017

M. Cakir, C. Temel, S. Isleyen , Uniform Convergence of a Finite Difference Method for a Singularly Perturbed Semilinear Boundary Value Problem With Integral Boundary Conditions, International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, July 3-7, 2017, İstanbul Gelişim Üniversitesi, Istanbul-Turkey, Attendee, İstanbul, Turkey, 2017

C. Temel and M. Cakir, Some Results on Fixed Points of Contractive Operator in Banach Spaces, International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, July 3-7, 2017, İstanbul Gelişim Üniversitesi, Istanbul-Turkey, Attendee, İstanbul, Turkey, 2017

Temel, C., On Fixed Point Theorem of Krasnoselskii Type, 2nd International Conference on Pure and Applied Sciences, Yildiz Technical University, İstanbul, Turkey, 2016, Attendee, İstanbul, Turkey, 2016

Temel, C., Multipliers with Natural Spectra on Commutative Banach Algebras, 4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), 31 August- 03 September, Athens, GREECE, Attendee, Athína, Greece, 2015

Mustafayev, H., Temel, C., Mixing type theorem for power bounded measures, International Conference on Pure and Applied Mathematics(ICPAM 2015), AUGUST 25-28, Van, TURKEY, Attendee, Van, Turkey, 2015

International Conference on Pure and Applied Mathematics(ICPAM 2015), AUGUST 25-28, Van, TURKEY, 2015., Session Moderator, Van, Turkey, 2015

Temel, C., On Completely Continuity of the Algebra , IECMSA-2014, 3rd International Eurasian Conference on Mathematical Sciences and Applications, August 25-28, Vienna, AUSTRIA, Attendee, Wien, Austria, 2014

Mustafayev, H. ve Temel, C., Growth conditions for operators with one-point spectrum, XXIV. Matematik Sempozyumu, 4-7 Eylül 2013, Dicle Üniversitesi, Diyarbakır, Attendee, Diyarbakır, Turkey, 2013

Mustafayev, H. ve Temel, C., Hilbert uzaylarında sıfır ölçümlü uniter spektre sahip daralma operatörleri üzerine, XXII. Matematik Sempozyumu, Nesin Matematik Köyü, Şirince-Selçuk, İzmir, Attendee, İzmir, Turkey, 2009

Mustafayev, H. ve Temel, C., C-grup üreticilerinin bazı lokal spektral özellikleri, XXI. Matematik Sempozyumu, Koç Üniversitesi, İstanbul, Attendee, İstanbul, Turkey, 2008

Mustafayev, H. ve Temel, C., Bir operatör sınıfının tersinir operatörler sınıfına genişletilmesi, XX. Matematik Sempozyumu, Erzurum Atatürk Üniversitesi, Attendee, Erzurum, Turkey, 2007

Mustafayev, H. and Temel, C., Weakly closed algebra generated by continous semigroup of operators, Abstracts of International conference on mathematics and mechanics devoted to the 70-th anniversary of the corresponding member of NAS of Azerbaijan, Professor B.A. Isgenderov, Bakı, Azerbaijan, Attendee, Baku, Azerbaijan, 2006

Mustafayev, H. ve Temel, C., Regüler Banach cebirlerinden zayıf kompakt homomorfizmalar, XVIII. Matematik Sempozyumu, İstanbul Kültür Üniversitesi, Attendee, İstanbul, Turkey, 2005

International Conference on Pure and Applied Mathematics(ICPAM 2015), AUGUST 25-28, Van, TURKEY, 2015., Session Moderator, Van, Turkey, 2005