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ScopusID: 22734889600

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Analiz Ve Fonksiyonlar Teorisi (Dr), Turkey 1992 - 1995

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1990 - 1992

Undergraduate, Ataturk University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1985 - 1989

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, EĞİTİM FAKÜLTESİ, MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ, 1990 - Continues

Academic and Administrative Experience

Head of Department, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi, 2013 - 2015

Vice Rector, Agri Ibrahim Cecen University, 2009 - 2010

Director of The Institution, Agri Ibrahim Cecen University, Institute Of Science, 2008 - 2010

Advising Theses

Özdemir E., Examination of graduate thesis in algebra learning: Turkey sample between 2010-2018, Postgraduate, K.Özey(Student), 2019

ÖZDEMİR M. E., The investigation of knowledge construction process in relation to the concept of inequality, Postgraduate, C.Süzen(Student), 2019

ÖZDEMİR M. E., Klasik eşitsizlikler yoluyla konveks fonksiyonlar için integral eşitsizlikler, Doctorate, A.EKİNCİ(Student), 2014

ÖZDEMİR M. E., n. mertebeden türevlenebilen fonksiyonlar için integral eşitsizlikleri, Doctorate, Ç.YILDIZ(Student), 2014

ÖZDEMİR M. E., Farklı türden konveks fonksiyonların çarpımı üzerine integral eşitsizlikleri ve uygulamaları, Doctorate, M.GÜRBÜZ(Student), 2013

ÖZDEMİR M. E., Konveks fonksiyonların çeşitli sınıfları için integral eşitsizlikler, Doctorate, M.AVCI(Student), 2013

ÖZDEMİR M. E., Bazı farklı türden konveks fonksiyonlar için Ostrowski ve Hermite-Hadamard tipli integral eşitsizlikler, Doctorate, H.KAVURMACI(Student), 2012

ÖZDEMİR M. E., Farklı türden konveks fonksiyonlar için koordinatlarda integral eşitsizlikler, Doctorate, A.OCAK(Student), 2012

ÖZDEMİR M. E., Quasi konveks fonksiyonlar için eşitsizlikler ve uygulamaları, Postgraduate, Ç.YILDIZ(Student), 2011

ÖZDEMİR M. E., Bazı farklı türden konveks fonksiyonlar için integral eşitsizlikleri, Doctorate, E.SET(Student), 2010

ÖZDEMİR M. E., Birinci ve ikinci anlamda s-konveks fonksiyonlar için birkaç Hadamard tipi integral eşitsizliği, Postgraduate, D.KAYACAN(Student), 2008

ÖZDEMİR M. E., Matematikte karşı olumlu tutum geliştirme faktörleri, Postgraduate, L.AKGÜN(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Several new integral inequalities via Caputo fractional integral operators**
ÖZDEMİR M. E., Butt S. I., Ekinci A., Nadeem M.
FILOMAT, vol.37, no.6, pp.1843-1854, 2023 (SCI-Expanded)
- II. **INEQUALITIES FOR MAPPINGS WHOSE SECOND DERIVATIVES ARE QUASI- CONVEX OR h-CONVEX FUNCTIONS**
ÖZDEMİR M. E., Gurbuz M., YILDIZ Ç.
MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.635-649, 2014 (SCI-Expanded)
- III. **A note on geometrically convex functions**
Ozdemir M. E., YILDIZ Ç., Gurbuz M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2014, 2014 (SCI-Expanded)
- IV. **On some inequalities for s-convex functions and applications**
Ozdemir M. E., YILDIZ Ç., Akdemir A. O., Set E.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2013, 2013 (SCI-Expanded)
- V. **THE HADAMARD INEQUALITY FOR CONVEX FUNCTION VIA FRACTIONAL INTEGRALS**
ÖZDEMİR M. E., Dragomir S. S., YILDIZ C.
ACTA MATHEMATICA SCIENTIA, vol.33, no.5, pp.1293-1299, 2013 (SCI-Expanded)
- VI. **Hermite-Hadamard-type inequalities for $(g, \phi(h))$ -convex dominated functions**
Ozdemir M. E., Gurbuz M., Kavurmaci H.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- VII. **On some Hadamard-type inequalities for product of two s-convex functions on the co-ordinates**
Ozdemir M. E., Latif M. A., Akdemir A. O.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2012, pp.1-13, 2012 (SCI-Expanded)
- VIII. **Inequalities for convex and s-convex functions on $\Delta = [a, b] \times [c, d]$**
Ozdemir M. E., Kavurmaci H., Akdemir A. O., Avci M.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2012, 2012 (SCI-Expanded)
- IX. **On co-ordinated quasi-convex functions**
ÖZDEMİR M. E., Akdemir A. O., YILDIZ Ç.
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.62, no.4, pp.889-900, 2012 (SCI-Expanded)
- X. **ON THE OSTROWSKI-GRUSS TYPE INEQUALITY FOR TWICE DIFFERENTIABLE FUNCTIONS**
ÖZDEMİR M. E., Akdemir A. O., Set E.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.5, pp.651-655, 2012 (SCI-Expanded)
- XI. **ON SOME NEW HADAMARD-TYPE INEQUALITIES FOR CO-ORDINATED QUASI-CONVEX FUNCTIONS**
ÖZDEMİR M. E., YILDIZ Ç., Akdemir A. O.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.5, pp.697-707, 2012 (SCI-Expanded)

- XII. **On some inequalities for h-concave functions**
Akdemir A. O., ÖZDEMİR M. E., Varosanec S.
MATHEMATICAL AND COMPUTER MODELLING, vol.55, no.3-4, pp.746-753, 2012 (SCI-Expanded)
- XIII. **ON COMPANION OF OSTROWSKI INEQUALITY FOR MAPPINGS WHOSE FIRST DERIVATIVES ABSOLUTE VALUE ARE CONVEX WITH APPLICATIONS**
Alomari M. W., Ozdemir M. E., Kavurmac H.
MISKOLC MATHEMATICAL NOTES, vol.13, no.2, pp.233-248, 2012 (SCI-Expanded)
- XIV. **GENERALIZATIONS OF INTEGRAL INEQUALITIES FOR FUNCTIONS WHOSE SECOND DERIVATIVES ARE CONVEX AND m- CONVEX**
ÖZDEMİR M. E., Ekinci A., Akdemir A. O.
MISKOLC MATHEMATICAL NOTES, vol.13, no.2, pp.441-457, 2012 (SCI-Expanded)
- XV. **New inequalities of hermite-hadamard type for convex functions with applications**
Kavurmaci H., Avci M., Ozdemir M. E.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2011, 2011 (SCI-Expanded)
- XVI. **Hermite-Hadamard-type inequalities via (α, m) -convexity**
ÖZDEMİR M. E., Avci M., Kavurmaci H.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.61, no.9, pp.2614-2620, 2011 (SCI-Expanded)
- XVII. **NEW OSTROWSKI TYPE INEQUALITIES FOR m-CONVEX FUNCTIONS AND APPLICATIONS**
Kavurmaci H., ÖZDEMİR M. E., Avci M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.135-145, 2011 (SCI-Expanded)
- XVIII. **SOME NEW HADAMARD TYPE INEQUALITIES FOR CO-ORDINATED m-CONVEX AND (α, m) -CONVEX FUNCTIONS**
ÖZDEMİR M. E., Set E., Sarikaya M. Z.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.219-229, 2011 (SCI-Expanded)
- XIX. **New inequalities of Hermite-Hadamard type via s-convex functions in the second sense with applications**
Avci M., Kavurmaci H., ÖZDEMİR M. E.
APPLIED MATHEMATICS AND COMPUTATION, vol.217, no.12, pp.5171-5176, 2011 (SCI-Expanded)
- XX. **On Hadamard-Type Inequalities Involving Several Kinds of Convexity**
Set E., ÖZDEMİR M. E., Dragomir S. S.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2010, 2010 (SCI-Expanded)
- XXI. **On new inequalities of Simpson's type for s-convex functions**
Sarikaya M. Z., Set E., ÖZDEMİR M. E.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.60, no.8, pp.2191-2199, 2010 (SCI-Expanded)
- XXII. **On some inequalities of Hermite-Hadamard type via m-convexity**
Ozdemir M. E., Avci M., Set E.
APPLIED MATHEMATICS LETTERS, vol.23, no.9, pp.1065-1070, 2010 (SCI-Expanded)
- XXIII. **Hadamard-type inequalities for s-convex functions**
KIRMACI U. S., Bakula M. K., ÖZDEMİR M. E., Pecaric J.
APPLIED MATHEMATICS AND COMPUTATION, vol.193, no.1, pp.26-35, 2007 (SCI-Expanded)
- XXIV. **Some inequalities for mappings whose derivatives are bounded and applications to special means of real numbers**
Kirmaci U., Ozdemir M. E.
APPLIED MATHEMATICS LETTERS, vol.17, no.6, pp.641-645, 2004 (SCI-Expanded)
- XXV. **On some inequalities for differentiable mappings and applications to special means of real numbers and to midpoint formula**
Kirmaci U., Ozdemir M. E.
APPLIED MATHEMATICS AND COMPUTATION, vol.153, no.2, pp.361-368, 2004 (SCI-Expanded)
- XXVI. **On automorphic and modular forms in the space of the homogeneous polynomials with degree 2l and applications to the special matrix**
Ozdemir M. E., Kirmaci U., Ocak R., Donmez A.

- APPLIED MATHEMATICS AND COMPUTATION, vol.152, no.3, pp.897-904, 2004 (SCI-Expanded)
- XXVII. **Two new theorem on mappings uniformly continuous and convex with applications to quadrature rules and means**
Ozdemir M. E., Kirmaci U.
APPLIED MATHEMATICS AND COMPUTATION, vol.143, pp.269-274, 2003 (SCI-Expanded)
- XXVIII. **A theorem on the first and second local modulus of continuity and applications to quadrature rules and means**
Ozdemir M. E.
APPLIED MATHEMATICS AND COMPUTATION, vol.141, no.2-3, pp.579-588, 2003 (SCI-Expanded)
- XXIX. **A theorem on mappings with bounded derivatives with applications to quadrature rules and means**
Ozdemir M. E.
APPLIED MATHEMATICS AND COMPUTATION, vol.138, pp.425-434, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Secondary Students' Process of Constructing Multiplication in Experiences According to RBC+C Model**
COŞKUN A., TAPAN BROUTIN M. S., ÖZDEMİR M. E.
Online Journal of Mathematics, Science and Technology Education (OJOMSTE), vol.4, no.1, pp.55-63, 2023 (Peer-Reviewed Journal)
- II. **Türkiye-İran 5. ve 6. sınıf Matematik Dersi Programlarının Geometri Öğrenme Alanı Bağlamında Karşılaştırılması**
Feizipour N., SEZGİN MEMNUN D., ÖZDEMİR M. E.
Online Journal of Mathematics, Science and Technology Education, vol.4, no.1, pp.41-53, 2023 (Peer-Reviewed Journal)
- III. **NEW REFINEMENTS AND INTEGRAL INEQUALITIES FOR CONCAVE FUNCTIONS**
Ozdemir M. E., AKDEMİR A. O.
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.9, no.1, pp.73-83, 2019 (ESCI)
- IV. **CERTAIN NEW HERMITE-HADAMARD TYPE INEQUALITIES FOR CONVEX FUNCTIONS VIA FRACTIONAL INTEGRALS**
SET E., Ozdemir M. E., Korkut N.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.61-69, 2019 (ESCI)
- V. **The Hermite Hadamard s inequality for some convex functions via fractional integrals and related results**
SET E., M Zeki S., ÖZDEMİR M. E., YILDIRIM H.
JAMSI, vol.10, no.2, pp.69-83, 2014 (Peer-Reviewed Journal)
- VI. **On Some Inequalities for twice differentiable mappings**
SARIKAYA M. Z., SET E., ÖZDEMİR M. E.
Stud.Univ.Babeş-Bolyai Math, vol.59, no.1, pp.11-24, 2014 (Peer-Reviewed Journal)
- VII. **On Generalizations of the Hadamard Inequality for alpha m Convex Functions**
SET E., Sardari M., ÖZDEMİR M. E., Roojin J.
KYUNGPOOK Math . J., vol.52, pp.307-317, 2012 (Peer-Reviewed Journal)
- VIII. **On New Inequalities of Simson s Type for Quasi Convex Functions with Applications**
SET E., ÖZDEMİR M. E., SARIKAYA M. Z.
Tamkang Journal of Mathematics, vol.43, no.3, pp.357-364, 2012 (Scopus)
- IX. **New Inequalities of Ostrowski s type for S Convex Functions in the Second Sense with Applications**
SET E., ÖZDEMİR M. E., SARIKAYA M. Z.
Facta Universitatis (NIS), Ser. Math. Inform., vol.27, no.1, 2012 (Peer-Reviewed Journal)
- X. **Integral inequalities via several kind of convexity**

ÖZDEMİR M. E., SET E., Alomari M.

Creative Math. Inf., vol.20, no.1, pp.62-73, 2011 (Peer-Reviewed Journal)

XI. Ostrowski s Type Inequalities for alfa m Convex Functions

ÖZDEMİR M. E., KAVURMACI ÖNALAN H., SET E.

KYUNGPOOK Math . J., vol.50, pp.371-378, 2010 (Peer-Reviewed Journal)

XII. On Some New Inequalities of Hadamard Type Involving h Convex Functions

SARIKAYA M. Z., SET E., ÖZDEMİR M. E.

Acta Math. Univ. Comenianae, Vol. LXXIX, vol.2, pp.265-272, 2010 (Peer-Reviewed Journal)

XIII. Hadamard Type inequalities for m convex and alfa m convex functions

Bakula M., ÖZDEMİR M. E., Pecaric J.

Journal of Inequalities in Pure and Applied Mathematics, vol.9, no.4, 2008 (Peer-Reviewed Journal)

XIV. THE UNDETACHABLE REPRESENTATIONS OF THE GROUPS $SL(2, \mathbb{C})$ $GL(n, \mathbb{C})$ $GL(n, \mathbb{C})$ $SL(n, \mathbb{C})$

ÖZDEMİR M. E., Ocak R., KIRMACI U. S.

International Journal of Applied Mathematics, vol.3, no.1, pp.171-179, 2000 (Scopus)

Books & Book Chapters

I. On the Integral Inequalities for Riemann-Liouville and Conformable fractional Integrals

ÖZDEMİR M. E., AKDEMİR A. O., SET E., EKİNCİ A.

in: Advances in Mathematical Inequalities and Applications, Agarwal P., Dragomir S.S., Jleli M., Samet B., Editor,

Birkhäuser Basel, pp.165-198, 2018

Refereed Congress / Symposium Publications in Proceedings

I. MATEMATİK DERSİ CEBİR ÖĞRENME ALANINDA ORTAOKUL ALTINCI SINIF ÖĞRENCİLERİNİN MATEMATİKSEL MODELLEME SÜRECİ VE BECERİLERİNİN İNCELENMESİ

ÇAKIRTEKİN M., TAPAN BROUTIN M. S., ÖZDEMİR M. E.

EGE 8th INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES, İzmir, Turkey, 02 June 2023, vol.1, pp.50-51

II. APPLICATION OF FLIPPED CLASSROOM MODEL IN TEACHING TRIANGLES IN 9 th GRADE MATHEMATICS AND STUDENTS' PERSPECTIVES

SARIARSLAN Ş., TAPAN BROUTIN M. S., ÖZDEMİR M. E.

ULUSLARARASI 21. YY EĞİTİM ARAŞTIRMALARI KONGRESİ, Budur, Turkey, 8 - 10 June 2023, vol.1, pp.140

III. MATEMATİK DERSİ KESİRLER KONUSUNUN ETKİNLİK TEMELLİ ÖĞRETİM YAKLAŞIMI İLE ÖĞRENME SÜRECİNİN İNCELENMESİ VE ÖĞRENCİ GÖRÜŞLERİ

ÇAKIRTEKİN M., TAPAN BROUTIN M. S., ÖZDEMİR M. E.

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IV. TÜRKİYE VE İRAN BEŞİNCİ SINIF MATEMATİK DERS KİTAPLARI ONDALIK SAYILAR KONUSUNUN FARKLI EĞİTİM PROGRAMI ALTINDA ÖĞRENCİ KATILIM DURUMUNA GÖRE İNCELENMESİ

Feizpour N., ARSLAN Ç., ÖZDEMİR M. E.

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V. Some New Integral Inequalities via RLF-Integral Operators

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VI. 5E Öğretim Modeli Kullanılarak Yansıma Ve Simetri Kavramlarının Öğretilmesi: Bir Durum Çalışması

YILDIZ H., ÖZDEMİR M. E., TAPAN BROUTIN M. S.

V. TURKCESS INTERNATIONAL EDUCATIONAND SOCIAL SCIENCES CONGRESS, İstanbul, Turkey, 27 - 29 June 2019,

vol.1, pp.317

- VII. **P-functions on $\Delta=[a,b] \times [c,d]$ and some Hadamard type integral inequalities on the coordinates**
AKDEMİR A. O., ÖZDEMİR M. E.
International Conference on Mathematical Studies and Applications, 4 - 06 October 2018
- VIII. **On Some Integral Inequalities for s-Convex Functions by Means of New Conformable Fractional Integral Operators**
SET E., YALDIZ H., ÖZDEMİR M. E.
International Conference on Mathematical Studies and Applications 2018, 4 - 06 October 2018
- IX. **ON GENERALIZED HERMITE-HADAMARD TYPE INEQUALITIES FOR THREE TIMES DIFFERENTIABLE QUASI-CONVEX MAPPINGS**
SET E., AKDEMİR A. O., ÖZDEMİR M. E.
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- X. **P-Functions on $\Delta = [a,b] \times [c,d]$ and Some Hadamard-Type Integral Inequalities on the Co-ordinates**
AKDEMİR A. O., ÖZDEMİR M. E.
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- XI. **Hadamard type inequalities for m-convex and (α, m) -convex functions via fractional integrals**
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- XII. **Hadamard type inequalities for m-convex and (α, m) -convex functions via fractional integrals**
AVCI ARDIÇ M., EKİNCİ A., AKDEMİR A. O., ÖZDEMİR M. E.
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- XIII. **Some Hadamard type inequalities for Quasi-convex functions via Katugampola Fractional integral operators**
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- XIV. **Some Hadamard Type Inequalities for Quasi-convex Functions via Katugampola Fractional Integral Operator**
AKDEMİR A. O., ÖZDEMİR M. E., EKİNCİ A.
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- XV. **On some Hadamard type inequalities on a rectangular box**
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- XVI. **.some Hadamard type inequalities for quasi-convex functions via Katugampola fractional integral operators**
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- XVII. **Some Hadamard type inequalities for s-convex functions on $G=[a,b] \times [c,d] \times [e,f]$**
AVCI ARDIÇ M., ÖZDEMİR M. E., AKDEMİR A. O.
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- XVIII. **On generalized Hermite Hadamard type inequalities for three times differentiable quasi-convex functions**
SET E., AKDEMİR A. O., ÖZDEMİR M. E.
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- XIX. **Grüss type inequalities involving new conformable fractional integral operator**
SET E., MUMCU İ., ÖZDEMİR M. E.
International Conference on Mathematical and Related Sciences, 30 April - 04 May 2018
- XX. **Grüss Type Inequalities Involving New Conformable Fractional Integral Operators**
SET E., MUMCU İ., ÖZDEMİR M. E.
1ST INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES (ICMRS), Antalya, Turkey, 30 April - 04 May 2018, vol.1991

- XXI. **GENERALIZATION OF SOME INEQUALITIES RELATED TO THE CHEBYSHEV'S FUNCTIONAL VIA FRACTIONAL INTEGRAL**
SET E., MUMCU İ., ÖZDEMİR M. E.
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- XXII. **Certain New Hermite-Hadamard Type Inequalities For Convex Functions Via Fractional Integrals**
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International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 May 2017
- XXIII. **On The More General Hermite-Hadamard Type Inequalities for Convex Functions via Conformable Fractional Integrals**
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- XXIV. **MATEMATİK NEDİR (RASYONEL AKIL) -EŞİTSİZLİKLERİN TARİHSEL ARKA PLANI VE M- KONVEKLİK ÜZERİNE BİRKAÇ NOT**
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- XXV. **Integral inequalities for co-ordinated s-convex functions**
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- XXVI. **On Hadamard-type inequalities for co-ordinated r-convex functions**
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- XXVII. **(h, m) - Convex Functions on Delta = [a, b] x [c, d] and Hadamard-Type Integral Inequality**
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- XXVIII. **On Hadamard-Type Inequalities for Co-ordinated r-Convex Functions**
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- XXIX. **On New Fractional Hermite-Hadamard Type Inequalities for n-time Differentiable Quasi-Convex Functions and P-Functions**
SET E., Ozdemir M. E., Alan E. A.
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- XXX. **Grüss Type Inequalities for Conformable Fractional Integrals**
Mumcu İ., ÖZDEMİR M. E., SET E., AKDEMİR A. O.
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- XXXI. **Inequalities for Product of Two h Convex Functions Which are Similarly Ordered**
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- XXXII. **Inequalities of Ostrowski type for s m convex functions via conformable fractional integrals**
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- XXXIII. **Some New Inequalities Based on h convex Functions**
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- XXXIV. **Generalized Integral Inequalities for m-Convex Functions**
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YILDIZ Ç., Ozdemir M. E.

International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April

2016, vol.1726

XXXVI. Simpson Type Inequalities via ϕ -Convexity

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International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April

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XXXVII. New Inequalities and Applications Concerning with Second Derivative of a Function

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XXXVIII. New Integral Inequalities for Co-ordinated m -Convex Functions

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XXXIX. Some Hermite-Hadamard Type Inequalities for (α, m) -Convex Functions on the Co-ordinates

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Metrics

Publication: 159

Citation (WoS): 1477

Citation (Scopus): 1499

H-Index (WoS): 23

H-Index (Scopus): 23

Awards

Özdemir M. E., Bilim, Teşvik ve Hizmetleri ödülleri (Yıllık Etki İndeksinde %2 lik Dilime Giren Bilim insanı Ödülü , Bursa Uludağ Rektörlüğü, January 2022

Non Academic Experience

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