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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-6323-2020

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Education Information

Doctorate, Sakarya University, Institute Of Science, Topoloji (Dr), Turkey 2013 - 2017

Postgraduate, Sakarya University, Institute Of Science, Geometri (YI) (Tezli), Turkey 2010 - 2013

Undergraduate, Sakarya University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2005 - 2009

Dissertations

Doctorate, Elemanter esnek topolojik uzaylara giriş, Sakarya University, Fen Bilimleri Enstitüsü, Topoloji (Dr), 2017

Postgraduate, E3, 3-BOYUTLU ÖKLİD UZAYINDA SABBAN ÇATISINA GÖRE SMARANDACHE EĞRİLERİ, Sakarya University, Fen Bilimleri Enstitüsü, Geometri (YI) (Tezli), 2013

Research Areas

Mathematics

Academic Titles / Tasks

Assistant Professor, Bilecik Seyh Edebali University, Faculty of Science, Matematik, 2018 - Continues

Research Assistant, Bilecik Seyh Edebali University, Faculty of Science and Letters, Mathematics, 2013 - 2017

Academic and Administrative Experience

Deputy Head of Department, Bilecik Seyh Edebali University, Faculty of Science and Letters, Mathematics, 2019 - 2022

Advising Theses

Taşköprü K., Esnek bağıntıya yeni bir yaklaşım ve onun karar verme problemlerine uygulanması, Postgraduate, E.KARAKÖSE(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Soft order topology and graph comparison based on soft order**
TAŞKÖPRÜ K.
AIMS Mathematics, vol.8, no.4, pp.9761-9781, 2023 (SCI-Expanded)
- II. **Soft partial metric spaces**
Altıntaş İ., TAŞKÖPRÜ K., Esengul kyzy P.
Soft Computing, vol.26, no.18, pp.8997-9010, 2022 (SCI-Expanded)
- III. **Countable and separable elementary soft topological space**
Altıntaş İ., TAŞKÖPRÜ K., Selvi B.
Mathematical Methods in the Applied Sciences, vol.44, no.9, pp.7811-7819, 2021 (SCI-Expanded)
- IV. **A new approach for soft topology and soft function via soft element**
TAŞKÖPRÜ K., Altıntaş İ.
Mathematical Methods in the Applied Sciences, vol.44, no.9, pp.7556-7570, 2021 (SCI-Expanded)
- V. **Compactness of soft cone metric space and fixed point theorems related to diametrically contractive mapping**
ALTINTAŞ İ., TAŞKÖPRÜ K.
Turkish Journal of Mathematics, vol.44, no.6, pp.2199-2216, 2020 (SCI-Expanded)
- VI. **A generalization of the Alexander polynomial as an application of the delta derivative**
Altıntaş I., TAŞKÖPRÜ K.
Turkish Journal of Mathematics, vol.42, no.2, pp.515-527, 2018 (SCI-Expanded)
- VII. **HOMFLY polynomials of torus links as generalized Fibonacci polynomials**
TAŞKÖPRÜ K., Altıntaş İ.
Electronic Journal of Combinatorics, vol.22, no.4, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Soft Set Approach to Relations and Its Application to Decision Making**
TAŞKÖPRÜ K., Karaköse E.
Mathematical Sciences and Applications E-Notes, vol.11, no.1, pp.1-13, 2023 (Peer-Reviewed Journal)
- II. **Recurrence Relations for Knot Polynomials of Twist Knots**
TAŞKÖPRÜ K., SİNAN Z. Ş.
Fundamental journal of mathematics and applications (Online), vol.4, no.1, pp.59-66, 2021 (Peer-Reviewed Journal)
- III. **Unoriented knot polynomials of torus links as Fibonacci-Type polynomials**
Altıntaş I., TAŞKÖPRÜ K.
Asian-European Journal of Mathematics, vol.12, no.4, 2019 (Scopus)
- IV. **Bracket polynomials of torus links as Fibonacci polynomials**
ALTINTAŞ İ., TAŞKÖPRÜ K., BEYAZTAŞ M.
International Journal of Advances in Applied Mathematics and Mechanics, vol.5, no.3, pp.35-43, 2018 (Peer-Reviewed Journal)
- V. **An Introduction to Soft Cone Metric Spaces and Some Fixed Point Theorems**
ŞİMŞEK D., ALTINTAŞ İ., ERSOY S., ABDULLAYEV F., İMAŞ KIZI M., TAŞKÖPRÜ K., KESİK D., ABILAYEVA E., OĞUL B., ÇEMŞİTOV N.
Manas Journal of Engineering, vol.5, no.3, pp.69-89, 2017 (Peer-Reviewed Journal)
- VI. **A Generalization of The Alexander Polynomial**
ALTINTAŞ İ., TAŞKÖPRÜ K.

International Journal of Mathematical Combinatorics, vol.4, pp.21-28, 2016 (Peer-Reviewed Journal)

VII. **Polynomial GL Yang Baxter Equation and Quantum Group SL 2 q**

ALTINTAŞ İ., TAŞKÖPRÜ K.

COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.7, no.1, pp.55-72, 2016 (Peer-Reviewed Journal)

VIII. **Smarandache Curves on S²**

TAŞKÖPRÜ K., TOSUN M.

BOLETIM DA SOCIEDADE PARANAENSE DE MATEMATICA, vol.32, no.1, pp.51-59, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **A soft set approach to relation**

TAŞKÖPRÜ K.

9th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2020), ÜSKÜP, Macedonia, 25 - 28 August 2020

II. **A Soft Set Approach for IFS**

TAŞKÖPRÜ K.

8TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA 2019), Baku, Azerbaijan, 27 - 30 August 2019

III. **Soft Partial Metric Spaces**

ALTINTAŞ İ., TAŞKÖPRÜ K.

International Conference on Mathematics and Mathematics Education (ICMME-2019), Konya, Turkey, 11 - 13 July 2019

IV. **ON SOFT TOPOLOGICAL PRODUCT SPACES**

TAŞKÖPRÜ K., ALTINTAŞ İ.

7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), Kiev, Ukraine, 28 - 31 August 2018

V. **On Soft Topological Subspaces**

TAŞKÖPRÜ K., ALTINTAŞ İ.

International Conference on Mathematics and Mathematics Education (ICMME 2018), Ordu, Turkey, 27 - 29 June 2018, pp.835-836

VI. **Topology of soft cone metric spaces**

Altintas I., Simsek D., TAŞKÖPRÜ K.

International Conference on Functional Analysis In Interdisciplinary Applications, FAIA 2017, Astana, Kazakhstan, 2 - 05 October 2017, vol.1880

VII. **Bracket Polynomials of Torus Links as Fibonacci Polynomials**

TAŞKÖPRÜ K., ALTINTAŞ İ., BEYAZTAŞ M.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017

VIII. **Soft Mappings and Elementary Operations over Soft Sets**

TAŞKÖPRÜ K., ALTINTAŞ İ.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017

IX. **An Introduction to Soft Cone Metric Spaces**

ALTINTAŞ İ., TAŞKÖPRÜ K., KESİK D.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017

X. **Elementary Soft Topology**

TAŞKÖPRÜ K., ALTINTAŞ İ.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017

- XI. **Recurrence Relations for Unoriented Knot Polynomials of $2n$ Torus Links**
TAŞKÖPRÜ K., ALTINTAŞ İ.
5TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 16 - 19 August 2016
- XII. **Unoriented Knot Polynomials of $2n$ Torus Links as Vieta Polynomials**
TAŞKÖPRÜ K., ALTINTAŞ İ.
5TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Belgrade, Serbia, 16 - 19 August 2016
- XIII. **HOMFLY Polynomials of Torus Links as Generalized Fibonacci Polynomials**
TAŞKÖPRÜ K., ALTINTAŞ İ.
4th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA-2015), 31 August - 03 September 2015
- XIV. **A GENERALIZATION OF THE ALEXANDER POLYNOMIAL**
ALTINTAŞ İ., TAŞKÖPRÜ K.
V. Congress of Turkic World Mathematicians, 5 - 07 June 2014
- XV. **SMARANDACHE CURVES ON S^2**
TAŞKÖPRÜ K., TOSUN M.
2nd INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA-2013), 26 - 29 August 2013